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API reference

Amazon Bedrock AgentCore Control Plane



API Version 2023-06-05

Amazon Bedrock AgentCore Control Plane: API reference

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Welcome

Welcome to the Amazon Bedrock AgentCore Control plane API reference. Control plane actions configure, create, modify, and monitor Amazon resources.

This document was last published on October 1, 2026.

Actions

The following actions are supported:

- AddDatasetExamples
- BatchPutGatewayRateLimits
- CreateAgentRuntime
- CreateAgentRuntimeEndpoint
- CreateApiKeyCredentialProvider
- CreateBrowser
- CreateBrowserProfile
- CreateCapacityProvider
- CreateCodeInterpreter
- CreateConfigurationBundle
- CreateConsentPortal
- CreateDataset
- CreateDatasetVersion
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- CreateGateway
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- CreateGatewayTarget
- CreateHarness
- CreateHarnessEndpoint
- CreateMemory
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- CreateOnlineEvaluationConfig
- CreatePaymentConnector
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- CreatePaymentManager
- CreatePolicy

- CreatePolicyEngine
- CreateRegistry
- CreateRegistryRecord
- CreateWorkloadIdentity
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- DeleteAgentRuntimeEndpoint
- DeleteApiKeyCredentialProvider
- DeleteBrowser
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- DeleteConfigurationBundle
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- DeleteDataset
- DeleteDatasetExamples
- DeleteEvaluator
- DeleteGateway
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- DeleteGatewayRule
- DeleteGatewayTarget
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- DeleteOnlineEvaluationConfig
- DeletePaymentConnector
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- RotatePaymentConnectorCredentials
- SetTokenVaultCMK
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- SynchronizeGatewayTargets
- TagResource
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- UpdateHarnessEndpoint
- UpdateMemory
- UpdateOauth2CredentialProvider
- UpdateOnlineEvaluationConfig
- UpdatePaymentConnector
- UpdatePaymentCredentialProvider
- UpdatePaymentManager
- UpdatePolicy
- UpdatePolicyEngine
- UpdateRegistry
- UpdateRegistryRecord
- UpdateRegistryRecordStatus
- UpdateWorkloadIdentity

AddDatasetExamples

Adds examples to the dataset's DRAFT. All examples are validated against the dataset's schema type before any writes occur. If any example fails validation, the entire batch is rejected (all-or-nothing semantics).

Request Syntax

```
POST /datasets/datasetId/examples/add HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "source": { ... }
}
```

URI Request Parameters

The request uses the following URI parameters.

datasetId

The unique identifier of the dataset to add examples to.

Pattern: `[a-zA-Z0-9_-]{1,110}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

source

Source of examples to add. Provide either inline examples or an S3 URI pointing to a JSONL file.

Type: DataSourceType object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "addedCount": number,
   "datasetArn": "string",
   "datasetId": "string",
   "exampleIds": [ "string" ],
   "status": "string",
   "updatedAt": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

addedCount

The number of examples added.

Type: Long

datasetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

Pattern: `arn:aws(-[a-z]+)*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:dataset/[a-zA-Z0-9_-]{1,110}`

datasetId

The unique identifier of the dataset.

Type: String

Pattern: `[a-zA-Z0-9_-]{1,110}`

exampleIds

IDs of all added examples (auto-generated UUIDs).

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[a-zA-Z0-9_.:-]+`

status

The current status of the dataset.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | ACTIVE | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

updatedAt

The timestamp when the examples were added.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

BatchPutGatewayRateLimits

Atomically creates or updates multiple rate limits for a gateway. The operation updates existing limits with matching keys and creates new limits for new keys. If the operation fails, the service applies no changes. Retry the request after resolving the issue.

Request Syntax

```
PUT /gateways/gatewayIdentifier/rate-limits/batch HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "rateLimits": [
      {
         "description": "string",
         "dimensionKeys": [ "string" ],
         "entries": [
            {
               "connections": [
                  {
                     "period": "string",
                     "rate": number
                  }
               ],
               "dimensions": {
                  "string" : "string"
               },
               "requests": [
                  {
                     "period": "string",
                     "rate": number
                  }
               ],
               "tokens": [
                  {
                     "period": "string",
                     "rate": number
                  }
               ]
            }
         ],
```

```
            "rateLimitId": "string"
        }
    ]
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The unique identifier of the gateway.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

rateLimits

The complete set of rate limits for this gateway. This operation replaces all existing rate limits in a single request. If the operation fails, no rate limits are changed.

Type: Array of BatchPutLimitEntry objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "rateLimits": [
      {
         "createdAt": "string",
         "description": "string",
         "dimensionKeys": [ "string" ],
         "entries": [
            {
               "connections": [
                  {
                     "period": "string",
                     "rate": number
                  }
               ],
               "dimensions": {
                  "string" : "string"
               },
               "requests": [
                  {
                     "period": "string",
                     "rate": number
                  }
               ],
               "tokens": [
                  {
                     "period": "string",
                     "rate": number
                  }
               ]
            }
         ],
         "gatewayIdentifier": "string",
         "rateLimitId": "string",
         "status": "string",
```

```
            "updatedAt": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

rateLimits

The resulting set of rate limits after the batch operation.

Type: Array of GatewayRateLimitDetail objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateAgentRuntime

Creates an Amazon Bedrock AgentCore Runtime.

Request Syntax

```
PUT /runtimes/ HTTP/1.1
Content-type: application/json

{
   "agentRuntimeArtifact": { ... },
   "agentRuntimeName": "string",
   "authorizerConfiguration": { ... },
   "capacityProviderConfiguration": {
      "capacityProviderArn": "string"
   },
   "clientToken": "string",
   "description": "string",
   "environmentVariables": {
      "string" : "string"
   },
   "filesystemConfigurations": [
      { ... }
   ],
   "lifecycleConfiguration": {
      "idleRuntimeSessionTimeout": number,
      "maxLifetime": number
   },
   "networkConfiguration": {
      "networkMode": "string",
      "networkModeConfig": {
         "requireServiceS3Endpoint": boolean,
         "securityGroups": [ "string" ],
         "subnets": [ "string" ]
      }
   },
   "platformVersion": "string",
   "protocolConfiguration": {
      "serverProtocol": "string"
   },
   "requestHeaderConfiguration": { ... },
   "roleArn": "string",
   "tags": {
```

```
        "string" : "string"
    }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

agentRuntimeArtifact

The artifact of the AgentCore Runtime.

Type: AgentRuntimeArtifact object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

agentRuntimeName

The name of the AgentCore Runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

authorizerConfiguration

The authorizer configuration for the AgentCore Runtime.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

capacityProviderConfiguration

The capacity provider configuration for the AgentCore Runtime. Use a capacity provider to run the AgentCore Runtime on the Instances compute type, which provisions Amazon managed compute in your account.

Type: CapacityProviderConfiguration object

Required: No

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The description of the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

environmentVariables

Environment variables to set in the AgentCore Runtime environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 100.

Value Length Constraints: Minimum length of 0. Maximum length of 5000.

Required: No

filesystemConfigurations

The filesystem configurations to mount into the AgentCore Runtime. Use filesystem configurations to provide persistent storage to your AgentCore Runtime sessions.

Type: Array of FilesystemConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

lifecycleConfiguration

The life cycle configuration for the AgentCore Runtime.

Type: LifecycleConfiguration object

Required: No

networkConfiguration

The network configuration for the AgentCore Runtime.

Type: NetworkConfiguration object

Required: No

platformVersion

The version of the runtime platform to use for the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[^\s]+`

Required: No

protocolConfiguration

The protocol configuration for an agent runtime. This structure defines how the agent runtime communicates with clients.

Type: ProtocolConfiguration object

Required: No

requestHeaderConfiguration

Configuration for HTTP request headers that will be passed through to the runtime.

Type: RequestHeaderConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

roleArn

The IAM role ARN that provides permissions for the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: Yes

tags

A map of tag keys and values to assign to the agent runtime. Tags enable you to categorize your resources in different ways, for example, by purpose, owner, or environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 202
```

```
Content-type: application/json

{
   "agentRuntimeArn": "string",
   "agentRuntimeId": "string",
   "agentRuntimeVersion": "string",
   "createdAt": "string",
   "status": "string",
   "workloadIdentityDetails": {
      "workloadIdentityArn": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

agentRuntimeArn

The Amazon Resource Name (ARN) of the AgentCore Runtime.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:runtime/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

agentRuntimeId

The unique identifier of the AgentCore Runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

agentRuntimeVersion

The version of the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

createdAt

The timestamp when the AgentCore Runtime was created.

Type: Timestamp

status

The current status of the AgentCore Runtime.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

workloadIdentityDetails

The workload identity details for the AgentCore Runtime.

Type: WorkloadIdentityDetails object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateAgentRuntimeEndpoint

Creates an AgentCore Runtime endpoint.

Request Syntax

```
PUT /runtimes/agentRuntimeId/runtime-endpoints/ HTTP/1.1
Content-type: application/json

{
   "agentRuntimeVersion": "string",
   "clientToken": "string",
   "description": "string",
   "name": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime to create an endpoint for.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

agentRuntimeVersion

The version of the AgentCore Runtime to use for the endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Required: No

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The description of the AgentCore Runtime endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

name

The name of the AgentCore Runtime endpoint.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

tags

A map of tag keys and values to assign to the agent runtime endpoint. Tags enable you to categorize your resources in different ways, for example, by purpose, owner, or environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "agentRuntimeArn": "string",
   "agentRuntimeEndpointArn": "string",
   "agentRuntimeId": "string",
   "createdAt": "string",
   "endpointName": "string",
   "status": "string",
   "targetVersion": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

agentRuntimeArn

The Amazon Resource Name (ARN) of the AgentCore Runtime.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:runtime/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

agentRuntimeEndpointArn

The Amazon Resource Name (ARN) of the AgentCore Runtime endpoint.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:runtime/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}/runtime-endpoint/[a-zA-Z][a-zA-Z0-9_]{0,47}`

agentRuntimeId

The unique identifier of the AgentCore Runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

createdAt

The timestamp when the AgentCore Runtime endpoint was created.

Type: Timestamp

endpointName

The name of the AgentCore Runtime endpoint.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

status

The current status of the AgentCore Runtime endpoint.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

targetVersion

The target version of the AgentCore Runtime for the endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateApiKeyCredentialProvider

Creates a new API key credential provider.

Request Syntax

```
POST /identities/CreateApiKeyCredentialProvider HTTP/1.1
Content-type: application/json

{
   "apiKey": "string",
   "apiKeySecretConfig": {
      "jsonKey": "string",
      "secretId": "string"
   },
   "apiKeySecretSource": "string",
   "name": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

apiKey

The API key to use for authentication. This value is encrypted and stored securely.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 65536.

Required: No

apiKeySecretConfig

A reference to the Amazon Secrets Manager secret that stores the API key. This includes the secret ID and the JSON key used to extract the API key value from the secret. Required when `apiKeySecretSource` is set to `EXTERNAL`.

Type: SecretReference object

Required: No

apiKeySecretSource

The source type of the API key secret. Use `MANAGED` if the secret is managed by the service, or `EXTERNAL` if you manage the secret yourself in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED | EXTERNAL`

Required: No

name

The name of the API key credential provider. The name must be unique within your account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

tags

A map of tag keys and values to assign to the API key credential provider. Tags enable you to categorize your resources in different ways, for example, by purpose, owner, or environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "apiKeySecretArn": {
      "secretArn": "string"
   },
   "apiKeySecretJsonKey": "string",
   "apiKeySecretSource": "string",
   "credentialProviderArn": "string",
   "name": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

apiKeySecretArn

The Amazon Resource Name (ARN) of the secret containing the API key.

Type: Secret object

apiKeySecretJsonKey

The JSON key used to extract the API key value from the Amazon Secrets Manager secret.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

apiKeySecretSource

The source type of the API key secret. Either `MANAGED` if the secret is managed by the service, or `EXTERNAL` if managed by the user in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED` | `EXTERNAL`

credentialProviderArn

The Amazon Resource Name (ARN) of the created API key credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/apikeycredentialprovider/[a-zA-Z0-9-.]+`

name

The name of the created API key credential provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

DecryptionFailure

Exception thrown when decryption of a secret fails.

HTTP Status Code: 400

EncryptionFailure

Exception thrown when encryption of a secret fails.

HTTP Status Code: 400

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceLimitExceededException

Exception thrown when a resource limit is exceeded.

HTTP Status Code: 400

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateBrowser

Creates a custom browser.

Request Syntax

```
PUT /browsers HTTP/1.1
Content-type: application/json

{
   "browserSigning": {
      "enabled": boolean
   },
   "certificates": [
      {
         "location": { ... }
      }
   ],
   "clientToken": "string",
   "description": "string",
   "enterprisePolicies": [
      {
         "location": { ... },
         "type": "string"
      }
   ],
   "executionRoleArn": "string",
   "filesystemConfigurations": [
      { ... }
   ],
   "name": "string",
   "networkConfiguration": {
      "networkMode": "string",
      "vpcConfig": {
         "requireServiceS3Endpoint": boolean,
         "securityGroups": [ "string" ],
         "subnets": [ "string" ]
      }
   },
   "recording": {
      "enabled": boolean,
      "s3Location": {
         "bucket": "string",
```

```
            "prefix": "string",
            "versionId": "string"
        }
    },
    "tags": {
        "string" : "string"
    }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

browserSigning

The browser signing configuration that enables cryptographic agent identification using HTTP message signatures for web bot authentication.

Type: BrowserSigningConfigInput object

Required: No

certificates

A list of certificates to install in the browser.

Type: Array of Certificate objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

clientToken

A unique, case-sensitive identifier to ensure that the operation completes no more than one time. If this token matches a previous request, Amazon Bedrock AgentCore ignores the request but does not return an error.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The description of the browser.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

enterprisePolicies

A list of enterprise policy files for the browser.

Type: Array of BrowserEnterprisePolicy objects

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Required: No

executionRoleArn

The Amazon Resource Name (ARN) of the IAM role that provides permissions for the browser to access Amazon services.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: No

filesystemConfigurations

The file system configurations to mount into the browser. Use these configurations to mount your own Amazon Simple Storage Service (Amazon S3) Files or Amazon Elastic File System (Amazon EFS) access points. Your sessions can then access your data. If you don't specify this field, no file systems are mounted.

Type: Array of ToolsFileSystemConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

name

The name of the browser. The name must be unique within your account.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

networkConfiguration

The network configuration for the browser. This configuration specifies the network mode for the browser.

Type: BrowserNetworkConfiguration object

Required: Yes

recording

The recording configuration for the browser. When enabled, browser sessions are recorded and stored in the specified Amazon S3 location.

Type: RecordingConfig object

Required: No

tags

A map of tag keys and values to assign to the browser. Tags enable you to categorize your resources in different ways, for example, by purpose, owner, or environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "browserArn": "string",
   "browserId": "string",
   "createdAt": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

browserArn

The Amazon Resource Name (ARN) of the created browser.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:(aws|[0-9]{12}):browser(-custom)?/(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

browserId

The unique identifier of the created browser.

Type: String

Pattern: `(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

createdAt

The timestamp when the browser was created.

Type: Timestamp

status

The current status of the browser.

Type: String

Valid Values: `CREATING | CREATE_FAILED | READY | DELETING | DELETE_FAILED | DELETED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateBrowserProfile

Creates a browser profile in Amazon Bedrock AgentCore. A browser profile stores persistent browser data such as cookies, local storage, session storage, and browsing history that can be saved from browser sessions and reused in subsequent sessions.

Request Syntax

```
PUT /browser-profiles HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": "string",
   "name": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the operation completes no more than one time. If this token matches a previous request, Amazon Bedrock AgentCore ignores the request but does not return an error.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

A description of the browser profile. Use this field to describe the purpose or contents of the profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

name

The name of the browser profile. The name must be unique within your account and can contain alphanumeric characters and underscores.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

tags

A map of tag keys and values to assign to the browser profile. Tags enable you to categorize your resources in different ways, for example, by purpose, owner, or environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "createdAt": "string",
   "profileArn": "string",
   "profileId": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the browser profile was created.

Type: Timestamp

profileArn

The Amazon Resource Name (ARN) of the created browser profile.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:browser-profile/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

profileId

The unique identifier of the created browser profile.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

status

The current status of the browser profile.

Type: String

Valid Values: `READY | DELETING | DELETED | SAVING`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2

- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateCapacityProvider

Creates a capacity provider. A capacity provider defines the Amazon EC2 infrastructure for AgentCore Runtime, including the operating system, allowed instance types, networking, and storage. It also specifies the IAM permissions that AgentCore uses to manage those instances.

The capacity provider name must be unique within your account. After you create the capacity provider, it enters a `CREATING` state and transitions to `READY` when it is available for use.

Request Syntax

```
PUT /capacity-providers HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "computeConfiguration": { ... },
   "description": "string",
   "name": "string",
   "permissionsConfiguration": {
      "capacityProviderOperatorRoleArn": "string"
   },
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

computeConfiguration

The compute configuration for the capacity provider. This defines the Amazon EC2 compute resources used to launch instances: the operating system, allowed instance types, networking, and storage.

Type: ComputeConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

description

An optional description of the capacity provider. If you don't specify a description, the service creates the capacity provider without one.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

name

The name of the capacity provider. The name must be unique within your account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

permissionsConfiguration

The permissions configuration for the capacity provider. This specifies the IAM role that AgentCore uses to manage the Amazon EC2 instances on your behalf.

Type: PermissionsConfiguration object

Required: Yes

tags

A map of tag keys and values to associate with the capacity provider. If you don't specify tags, the capacity provider is created with no tags.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "capacityProviderArn": "string",
   "capacityProviderId": "string",
   "name": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

capacityProviderArn

The Amazon Resource Name (ARN) of the capacity provider.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:capacity-provider/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

capacityProviderId

The unique identifier of the created capacity provider.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

name

The name of the capacity provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

status

The current status of the capacity provider. For possible values, see `CapacityProviderStatus`.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

RetryableConflictException

The operation failed because of a conflicting request. Retry the request.

HTTP Status Code: 409

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateCodeInterpreter

Creates a custom code interpreter.

Request Syntax

```
PUT /code-interpreters HTTP/1.1
Content-type: application/json

{
   "certificates": [
      {
         "location": { ... }
      }
   ],
   "clientToken": "string",
   "description": "string",
   "executionRoleArn": "string",
   "filesystemConfigurations": [
      { ... }
   ],
   "name": "string",
   "networkConfiguration": {
      "networkMode": "string",
      "vpcConfig": {
         "requireServiceS3Endpoint": boolean,
         "securityGroups": [ "string" ],
         "subnets": [ "string" ]
      }
   },
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

certificates

A list of certificates to install in the code interpreter.

Type: Array of Certificate objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

clientToken

A unique, case-sensitive identifier to ensure that the operation completes no more than one time. If this token matches a previous request, Amazon Bedrock AgentCore ignores the request but does not return an error.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The description of the code interpreter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

executionRoleArn

The Amazon Resource Name (ARN) of the IAM role that provides permissions for the code interpreter to access Amazon services.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: No

filesystemConfigurations

The file system configurations to mount into the code interpreter. Use these configurations to mount your own Amazon Simple Storage Service (Amazon S3) Files or Amazon Elastic File System (Amazon EFS) access points. Your sessions can then access your data. If you don't specify this field, no file systems are mounted.

Type: Array of ToolsFileSystemConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

name

The name of the code interpreter. The name must be unique within your account.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

networkConfiguration

The network configuration for the code interpreter. This configuration specifies the network mode for the code interpreter.

Type: CodeInterpreterNetworkConfiguration object

Required: Yes

tags

A map of tag keys and values to assign to the code interpreter. Tags enable you to categorize your resources in different ways, for example, by purpose, owner, or environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "codeInterpreterArn": "string",
   "codeInterpreterId": "string",
   "createdAt": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

codeInterpreterArn

The Amazon Resource Name (ARN) of the created code interpreter.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:(aws|[0-9]{12}):code-interpreter(-custom)?/(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

codeInterpreterId

The unique identifier of the created code interpreter.

Type: String

Pattern: `(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

createdAt

The timestamp when the code interpreter was created.

Type: Timestamp

status

The current status of the code interpreter.

Type: String

Valid Values: `CREATING | CREATE_FAILED | READY | DELETING | DELETE_FAILED | DELETED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateConfigurationBundle

Creates a new configuration bundle resource. A configuration bundle stores versioned component configurations for agent evaluation workflows.

Request Syntax

```
POST /configuration-bundles/create HTTP/1.1
Content-type: application/json

{
   "branchName": "string",
   "bundleName": "string",
   "clientToken": "string",
   "commitMessage": "string",
   "components": {
      "string" : {
         "configuration": JSON value
      }
   },
   "createdBy": {
      "arn": "string",
      "name": "string"
   },
   "description": "string",
   "kmsKeyArn": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

branchName

The branch name for version tracking. Defaults to `mainline` if not specified.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z][a-zA-Z0-9_/-]{0,127}`

Required: No

bundleName

The name for the configuration bundle. Names must be unique within your account.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}`

Required: Yes

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

commitMessage

A commit message describing the initial version of the configuration bundle.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Required: No

components

A map of component identifiers to their configurations. Each component represents a configurable element within the bundle.

Type: String to ComponentConfiguration object map

Key Length Constraints: Minimum length of 1. Maximum length of 2048.

Key Pattern: `[a-zA-Z][a-zA-Z0-9_:/.\-]{0,2047}`

Required: Yes

createdBy

The source that created this version, including the source name and optional ARN.

Type: VersionCreatedBySource object

Required: No

description

The description for the configuration bundle.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Pattern: `.+`

Required: No

kmsKeyArn

Optional KMS key ARN for encrypting component configurations.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

tags

A map of tag keys and values to assign to the configuration bundle. Tags enable you to categorize your resources in different ways, for example, by purpose, owner, or environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "bundleArn": "string",
   "bundleId": "string",
   "createdAt": number,
   "versionId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

bundleArn

The Amazon Resource Name (ARN) of the created configuration bundle.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:configuration-bundle/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

bundleId

The unique identifier of the created configuration bundle.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

createdAt

The timestamp when the configuration bundle was created.

Type: Timestamp

versionId

The initial version identifier of the configuration bundle.

Type: String

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateConsentPortal

Creates a new consent portal.

Request Syntax

```
POST /identities/CreateConsentPortal HTTP/1.1
Content-type: application/json

{
   "description": "string",
   "executionRoleArn": "string",
   "idpConfig": {
      "audience": "string",
      "credentialProviderArn": "string",
      "scopes": [ "string" ]
   },
   "name": "string",
   "sources": [
      {
         "identifier": "string",
         "type": "string"
      }
   ],
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

description

The description of the consent portal.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Required: No

executionRoleArn

The Amazon Resource Name (ARN) of the IAM role that the consent portal assumes to access the resources defined in its sources.

Type: String

Pattern: `arn:aws(-[a-z-]+)?:iam::[0-9]{12}:role/[a-zA-Z0-9+=,.@\-_/]+`

Required: Yes

idpConfig

The identity provider configuration that the consent portal uses to authenticate end users.

Type: ConsentPortalIdpConfig object

Required: Yes

name

The name of the consent portal. The name must be unique within your account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `[a-zA-Z0-9_-]{1,50}`

Required: Yes

sources

The resources served by the consent portal. Currently, we only support type `agentcore-gateway`.

Type: Array of ConsentPortalSource objects

Array Members: Fixed number of 1 item.

Required: Yes

tags

A map of tag keys and values to assign to the consent portal. Tags enable you to categorize your resources in different ways, for example, by purpose, owner, or environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "consentPortalArn": "string",
   "consentPortalId": "string",
   "createdAt": number,
   "description": "string",
   "executionRoleArn": "string",
   "idpConfig": {
      "audience": "string",
      "credentialProviderArn": "string",
      "scopes": [ "string" ]
   },
   "name": "string",
   "portalUrl": "string",
   "sources": [
      {
         "identifier": "string",
         "type": "string"
      }
   ],
```

```
    "status": "string",
    "statusReason": "string",
    "updatedAt": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

consentPortalArn

The Amazon Resource Name (ARN) of the consent portal.

Type: String

Pattern: `arn:aws[^:]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:consent-portal/[a-zA-Z0-9\-_]{1,50}-[A-Za-z0-9]{10}`

consentPortalId

The unique identifier of the consent portal.

Type: String

Pattern: `[a-zA-Z0-9\-_]{1,50}-[A-Za-z0-9]{10}`

createdAt

The timestamp for when the consent portal was created.

Type: Timestamp

description

The description of the consent portal.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

executionRoleArn

The Amazon Resource Name (ARN) of the IAM role that the consent portal assumes to access the resources defined in its sources.

Type: String

Pattern: `arn:aws(-[a-z-]+)?:iam::[0-9]{12}:role/[a-zA-Z0-9+=,.@\-_/]+`

idpConfig

The identity provider configuration that the consent portal uses to authenticate end users.

Type: ConsentPortalIdpConfig object

name

The name of the consent portal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `[a-zA-Z0-9_-]{1,50}`

portalUrl

The URL used to access the consent portal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

sources

The resources served by the consent portal.

Type: Array of ConsentPortalSource objects

Array Members: Fixed number of 1 item.

status

The current status of the consent portal.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | UPDATE_FAILED | DELETING | FAILED`

statusReason

A message that provides additional information about the current status of the consent portal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

updatedAt

The timestamp for when the consent portal was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateDataset

Creates a new dataset resource asynchronously. Returns immediately with status CREATING. Poll `GetDataset` until status transitions to ACTIVE or CREATE_FAILED.

Request Syntax

```
POST /datasets HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "datasetName": "string",
   "description": "string",
   "kmsKeyArn": "string",
   "schemaType": "string",
   "source": { ... },
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

datasetName

Human-readable name for the dataset. Must be unique within the account. Immutable after creation.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

description

A description of the dataset.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 200.

Required: No

kmsKeyArn

Optional Amazon KMS key ARN for server-side encryption on service Amazon S3 writes.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

schemaType

Versioned schema type governing the structure of examples. Immutable after creation.

Type: String

Valid Values: `AGENTCORE_EVALUATION_PREDEFINED_V1 | AGENTCORE_EVALUATION_SIMULATED_V1 | THIRD_PARTY_EVALUATION_V1`

Required: Yes

source

Source of initial examples. Provide either inline examples or an S3 URI pointing to a JSONL file.

Type: DataSourceType object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

tags

A map of tag keys and values to assign to the dataset.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "createdAt": number,
   "datasetArn": "string",
   "datasetId": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the dataset was created.

Type: Timestamp

datasetArn

The Amazon Resource Name (ARN) of the created dataset.

Type: String

Pattern: `arn:aws(-[a-z]+)*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:dataset/[a-zA-Z0-9_-]{1,110}`

datasetId

The unique identifier of the created dataset.

Type: String

Pattern: `[a-zA-Z0-9_-]{1,110}`

status

Always CREATING immediately after this call. Poll `GetDataset` until status transitions to ACTIVE or CREATE_FAILED.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | ACTIVE | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin

- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateDatasetVersion

Publishes the current DRAFT as a new numbered version. The DRAFT is preserved and remains editable after publishing. Returns immediately with status UPDATING. Poll `GetDataset` until status transitions to ACTIVE or UPDATE_FAILED.

Request Syntax

```
POST /datasets/datasetId/versions HTTP/1.1
Content-type: application/json

{
   "clientToken": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

datasetId

The unique identifier of the dataset to publish a version for.

Pattern: `[a-zA-Z0-9_-]{1,110}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "createdAt": number,
   "datasetArn": "string",
   "datasetId": "string",
   "datasetVersion": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the version creation was initiated.

Type: Timestamp

datasetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

Pattern: `arn:aws(-[a-z]+)*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:dataset/[a-zA-Z0-9_-]{1,110}`

datasetId

The unique identifier of the dataset.

Type: String

Pattern: `[a-zA-Z0-9_-]{1,110}`

datasetVersion

The version number being created.

Type: String

Pattern: `(DRAFT|[0-9]+)`

status

Always UPDATING immediately after this call. Poll `GetDataset` until status transitions to ACTIVE or UPDATE_FAILED.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | ACTIVE | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateEvaluator

Creates a custom evaluator for agent quality assessment. Custom evaluators can use either LLM-as-a-Judge configurations with user-defined prompts, rating scales, and model settings, or code-based configurations with customer-managed Lambda functions to evaluate agent performance at tool call, trace, or session levels.

Request Syntax

```
POST /evaluators/create HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": "string",
   "evaluatorConfig": { ... },
   "evaluatorName": "string",
   "kmsKeyArn": "string",
   "level": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The description of the evaluator that explains its purpose and evaluation criteria.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

evaluatorConfig

The configuration for the evaluator. Specify either LLM-as-a-Judge settings with instructions, rating scale, and model configuration, or code-based settings with a customer-managed Lambda function.

Type: EvaluatorConfig object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

evaluatorName

The name of the evaluator. Must be unique within your account.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

kmsKeyArn

The Amazon Resource Name (ARN) of a customer managed Amazon KMS key to use for encrypting sensitive evaluator data, including instructions and rating scale. If you don't specify a KMS key, the evaluator data is encrypted with an Amazon owned key. Only symmetric encryption KMS keys are supported. For more information, see Encryption at rest for AgentCore Evaluations.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

level

The evaluation level that determines the scope of evaluation. Valid values are `TOOL_CALL` for individual tool invocations, `TRACE` for single request-response interactions, or `SESSION` for entire conversation sessions.

Type: String

Valid Values: `TOOL_CALL | TRACE | SESSION`

Required: Yes

tags

A map of tag keys and values to assign to an AgentCore Evaluator. Tags enable you to categorize your resources in different ways, for example, by purpose, owner, or environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 202
```

```
Content-type: application/json

{
   "createdAt": number,
   "evaluatorArn": "string",
   "evaluatorId": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the evaluator was created.

Type: Timestamp

evaluatorArn

The Amazon Resource Name (ARN) of the created evaluator.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:evaluator\/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

evaluatorId

The unique identifier of the created evaluator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 111.

Pattern: `(Builtin\.[a-zA-Z0-9._-]+|ThirdParty\.[a-zA-Z0-9_-]+\.[a-zA-Z0-9_-]+|[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10})`

status

The status of the evaluator creation operation.

Type: String

Valid Values: `ACTIVE | CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | DELETING`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateGateway

Creates a gateway for Amazon Bedrock Agent. A gateway serves as an integration point between your agent and external services.

If you specify CUSTOM_JWT as the `authorizerType`, you must provide an `authorizerConfiguration`.

Request Syntax

```
POST /gateways/ HTTP/1.1
Content-type: application/json

{
   "authorizerConfiguration": { ... },
   "authorizerType": "string",
   "clientToken": "string",
   "description": "string",
   "exceptionLevel": "string",
   "interceptorConfigurations": [
      {
         "inputConfiguration": {
            "passRequestHeaders": boolean,
            "payloadFilter": {
               "exclude": [
                  { ... }
               ]
            }
         },
         "interceptionPoints": [ "string" ],
         "interceptor": { ... }
      }
   ],
   "kmsKeyArn": "string",
   "name": "string",
   "policyEngineConfiguration": {
      "arn": "string",
      "mode": "string"
   },
   "protocolConfiguration": { ... },
   "protocolType": "string",
   "roleArn": "string",
   "tags": {
```

```
        "string" : "string"
    }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

authorizerConfiguration

The authorizer configuration for the gateway. Required if `authorizerType` is `CUSTOM_JWT`.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

authorizerType

The type of authorizer to use for the gateway.

- `CUSTOM_JWT` - Authorize with a bearer token.
- `AWS_IAM` - Authorize with your Amazon IAM credentials.
- `NONE` - No authorization

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM | NONE | AUTHENTICATE_ONLY`

Required: Yes

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The description of the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

exceptionLevel

The level of detail in error messages returned when invoking the gateway.

- If the value is `DEBUG`, granular exception messages are returned to help a user debug the gateway.
- If the value is omitted, a generic error message is returned to the end user.

Type: String

Valid Values: `DEBUG`

Required: No

interceptorConfigurations

A list of configuration settings for a gateway interceptor. Gateway interceptors allow custom code to be invoked during gateway invocations.

Type: Array of GatewayInterceptorConfiguration objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: No

kmsKeyArn

The Amazon Resource Name (ARN) of the Amazon KMS key used to encrypt data associated with the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

name

The name of the gateway. The name must be unique within your account.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,48}`

Required: Yes

policyEngineConfiguration

The policy engine configuration for the gateway. A policy engine is a collection of policies that evaluates and authorizes agent tool calls. When associated with a gateway, the policy engine intercepts all agent requests and determines whether to allow or deny each action based on the defined policies.

Type: GatewayPolicyEngineConfiguration object

Required: No

protocolConfiguration

The configuration settings for the protocol specified in the `protocolType` parameter.

Type: GatewayProtocolConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

protocolType

The protocol type for the gateway.

Type: String

Valid Values: `MCP`

Required: No

roleArn

The Amazon Resource Name (ARN) of the IAM role that provides permissions for the gateway to access Amazon services.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: Yes

tags

A map of key-value pairs to associate with the gateway as metadata tags.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "authorizerConfiguration": { ... },
   "authorizerType": "string",
   "createdAt": "string",
   "customTransformConfiguration": {
      "lambda": {
         "arn": "string"
      }
   },
```

```
   "description": "string",
   "exceptionLevel": "string",
   "gatewayArn": "string",
   "gatewayId": "string",
   "gatewayUrl": "string",
   "interceptorConfigurations": [
      {
         "inputConfiguration": {
            "passRequestHeaders": boolean,
            "payloadFilter": {
               "exclude": [
                  { ... }
               ]
            }
         },
         "interceptionPoints": [ "string" ],
         "interceptor": { ... }
      }
   ],
   "kmsKeyArn": "string",
   "name": "string",
   "policyEngineConfiguration": {
      "arn": "string",
      "mode": "string"
   },
   "protocolConfiguration": { ... },
   "protocolType": "string",
   "roleArn": "string",
   "status": "string",
   "statusReasons": [ "string" ],
   "updatedAt": "string",
   "wafConfiguration": {
      "failureMode": "string"
   },
   "webAclArn": "string",
   "workloadIdentityDetails": {
      "workloadIdentityArn": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

authorizerConfiguration

The authorizer configuration for the created gateway.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

authorizerType

The type of authorizer used by the gateway.

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM | NONE | AUTHENTICATE_ONLY`

createdAt

The timestamp when the gateway was created.

Type: Timestamp

customTransformConfiguration

The custom transformation configuration for the gateway. This configuration defines how the gateway transforms requests and responses.

Type: CustomTransformConfiguration object

description

The description of the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

exceptionLevel

The level of detail in error messages returned when invoking the gateway.

- If the value is `DEBUG`, granular exception messages are returned to help a user debug the gateway.
- If the value is omitted, a generic error message is returned to the end user.

Type: String

Valid Values: DEBUG

gatewayArn

The Amazon Resource Name (ARN) of the created gateway.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}:[0-9]{12}:gateway/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

gatewayId

The unique identifier of the created gateway.

Type: String

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

gatewayUrl

The URL endpoint for the created gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

interceptorConfigurations

The list of interceptor configurations for the created gateway.

Type: Array of GatewayInterceptorConfiguration objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

kmsKeyArn

The Amazon Resource Name (ARN) of the Amazon KMS key used to encrypt data associated with the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

name

The name of the gateway.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,48}`

policyEngineConfiguration

The policy engine configuration for the created gateway.

Type: GatewayPolicyEngineConfiguration object

protocolConfiguration

The configuration settings for the protocol used by the gateway.

Type: GatewayProtocolConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

protocolType

The protocol type of the gateway.

Type: String

Valid Values: `MCP`

roleArn

The Amazon Resource Name (ARN) of the IAM role associated with the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

status

The current status of the gateway.

Type: String

Valid Values: `CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED`

statusReasons

The reasons for the current status of the gateway.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

updatedAt

The timestamp when the gateway was last updated.

Type: Timestamp

wafConfiguration

The Amazon WAF configuration for the gateway.

Type: WafConfiguration object

webAclArn

The Amazon Resource Name (ARN) of the Amazon WAF web ACL associated with the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:[a-z0-9\-]+:wafv2:[a-z0-9\-]+:[0-9]{12}:regional/webacl/.+`

workloadIdentityDetails

The workload identity details for the created gateway.

Type: WorkloadIdentityDetails object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++

- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateGatewayRateLimit

Creates a rate limit for a gateway. Rate limits define throttling rules for each dimension that control request rates, token consumption rates, and concurrent connections through the gateway.

Request Syntax

```
POST /gateways/gatewayIdentifier/rate-limits HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": "string",
   "dimensionKeys": [ "string" ],
   "entries": [
      {
         "connections": [
            {
               "period": "string",
               "rate": number
            }
         ],
         "dimensions": {
            "string" : "string"
         },
         "requests": [
            {
               "period": "string",
               "rate": number
            }
         ],
         "tokens": [
            {
               "period": "string",
               "rate": number
            }
         ]
      }
   ],
   "rateLimitId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The unique identifier of the gateway to create the rate limit for.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

An optional human-readable description for this rate limit. If not provided, the rate limit is created without a description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Required: No

dimensionKeys

The ordered list of dimension key names that define the scope of this rate limit. Must be unique per gateway—no two rate limits can share the same dimension keys.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 80.

Pattern: `(targetName|toolName|qualifiedModelId|\$\.context\.iam\.principal|\$\.context\.iam\.sourceIdentity|\$\.context\.jwt\.[a-zA-Z_][a-zA-Z0-9_\-\.]{0,61}[a-zA-Z0-9_])`

Required: Yes

entries

The rule entries that map dimension values to rate configurations.

Type: Array of LimitEntry objects

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

Required: Yes

rateLimitId

An optional customer-defined identifier for the rate limit. If not provided, the system generates one.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9\-_\.]{0,62}[a-zA-Z0-9]`

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json
```

```
{
   "createdAt": "string",
   "description": "string",
   "dimensionKeys": [ "string" ],
   "entries": [
      {
         "connections": [
            {
               "period": "string",
               "rate": number
            }
         ],
         "dimensions": {
            "string" : "string"
         },
         "requests": [
            {
               "period": "string",
               "rate": number
            }
         ],
         "tokens": [
            {
               "period": "string",
               "rate": number
            }
         ]
      }
   ],
   "gatewayIdentifier": "string",
   "rateLimitId": "string",
   "status": "string",
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the rate limit was created.

Type: Timestamp

description

The human-readable description of the rate limit.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

dimensionKeys

The ordered list of dimension key names that define the scope of this rate limit.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 80.

Pattern: `(targetName|toolName|qualifiedModelId|\$\.context\.iam\.principal|\$\.context\.iam\.sourceIdentity|\$\.context\.jwt\.[a-zA-Z_][a-zA-Z0-9_\-\.]{0,61}[a-zA-Z0-9_])`

entries

The list of rule entries that map dimension values to rate configurations.

Type: Array of LimitEntry objects

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

gatewayIdentifier

The unique identifier of the gateway.

Type: String

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

rateLimitId

The unique identifier of the created rate limit.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9\-_\.]{0,62}[a-zA-Z0-9]`

status

The current status of the rate limit.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING`

updatedAt

The timestamp when the rate limit was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateGatewayRule

Creates a rule for a gateway. Rules define conditions and actions that control how requests are routed and processed through the gateway, including principal-based access control and path-based routing.

Request Syntax

```
POST /gateways/gatewayIdentifier/rules HTTP/1.1
Content-type: application/json

{
   "actions": [
      { ... }
   ],
   "clientToken": "string",
   "conditions": [
      { ... }
   ],
   "description": "string",
   "priority": number
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway to create a rule for.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

actions

The actions to take when the rule conditions are met. Actions can route to a specific target or apply a configuration bundle override.

Type: Array of Action objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: Yes

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

conditions

The conditions that must be met for the rule to apply. Conditions can match on principals (IAM ARNs) or request paths.

Type: Array of Condition objects

Array Members: Minimum number of 0 items. Maximum number of 2 items.

Required: No

description

The description of the gateway rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

priority

The priority of the rule. Rules are evaluated in order of priority, with lower numbers evaluated first. Must be between 1 and 1,000,000.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000000.

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "actions": [
      { ... }
   ],
   "conditions": [
      { ... }
   ],
   "createdAt": "string",
   "description": "string",
   "gatewayArn": "string",
   "priority": number,
   "ruleId": "string",
   "status": "string",
   "system": {
      "managedBy": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

actions

The actions to take when the rule conditions are met.

Type: Array of Action objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

conditions

The conditions that must be met for the rule to apply.

Type: Array of Condition objects

Array Members: Minimum number of 0 items. Maximum number of 2 items.

createdAt

The timestamp when the rule was created.

Type: Timestamp

description

The description of the gateway rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

gatewayArn

The Amazon Resource Name (ARN) of the gateway that the rule belongs to.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}:[0-9]{12}:gateway/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

priority

The priority of the rule. Rules are evaluated in order of priority, with lower numbers evaluated first.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000000.

ruleId

The unique identifier of the gateway rule.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

status

The current status of the rule.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING`

system

System-managed metadata for rules created by automated processes.

Type: SystemManagedBlock object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateGatewayTarget

Creates a target for a gateway. A target defines an endpoint that the gateway can connect to.

Request Syntax

```
POST /gateways/gatewayIdentifier/targets/ HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "credentialProviderConfigurations": [
      {
         "credentialProvider": { ... },
         "credentialProviderType": "string"
      }
   ],
   "description": "string",
   "metadataConfiguration": {
      "allowedQueryParameters": [ "string" ],
      "allowedRequestHeaders": [ "string" ],
      "allowedResponseHeaders": [ "string" ]
   },
   "name": "string",
   "privateEndpoint": { ... },
   "targetConfiguration": { ... }
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway to create a target for.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

credentialProviderConfigurations

The credential provider configurations for the target. These configurations specify how the gateway authenticates with the target endpoint.

Type: Array of CredentialProviderConfiguration objects

Array Members: Fixed number of 1 item.

Required: No

description

The description of the gateway target.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

metadataConfiguration

Optional configuration for HTTP header and query parameter propagation to and from the gateway target.

Type: MetadataConfiguration object

Required: No

name

The name of the gateway target. The name must be unique within the gateway.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,100}`

Required: No

privateEndpoint

The private endpoint configuration for the gateway target. Use this to connect the gateway to private resources in your VPC.

Type: PrivateEndpoint object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

targetConfiguration

The configuration settings for the target, including endpoint information and schema definitions.

Type: TargetConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "authorizationData": { ... },
```

```
   "createdAt": "string",
   "credentialProviderConfigurations": [
      {
         "credentialProvider": { ... },
         "credentialProviderType": "string"
      }
   ],
   "description": "string",
   "gatewayArn": "string",
   "lastSynchronizedAt": "string",
   "metadataConfiguration": {
      "allowedQueryParameters": [ "string" ],
      "allowedRequestHeaders": [ "string" ],
      "allowedResponseHeaders": [ "string" ]
   },
   "name": "string",
   "privateEndpoint": { ... },
   "privateEndpointManagedResources": [
      {
         "domain": "string",
         "resourceAssociationArn": "string",
         "resourceGatewayArn": "string"
      }
   ],
   "protocolType": "string",
   "status": "string",
   "statusReasons": [ "string" ],
   "targetConfiguration": { ... },
   "targetId": "string",
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

authorizationData

OAuth2 authorization data for the created gateway target. This data is returned when a target is configured with a credential provider with authorization code grant type and requires user federation.

Type: AuthorizationData object

Note: This object is a Union. Only one member of this object can be specified or returned.

createdAt

The timestamp when the target was created.

Type: Timestamp

credentialProviderConfigurations

The credential provider configurations for the target.

Type: Array of CredentialProviderConfiguration objects

Array Members: Fixed number of 1 item.

description

The description of the target.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

gatewayArn

The Amazon Resource Name (ARN) of the gateway.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}:[0-9]{12}:gateway/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

lastSynchronizedAt

The last synchronization of the target.

Type: Timestamp

metadataConfiguration

The metadata configuration that was applied to the created gateway target.

Type: MetadataConfiguration object

name

The name of the target.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,100}`

privateEndpoint

The private endpoint configuration for the gateway target.

Type: PrivateEndpoint object

Note: This object is a Union. Only one member of this object can be specified or returned.

privateEndpointManagedResources

The managed resources created by the gateway for private endpoint connectivity.

Type: Array of ManagedResourceDetails objects

protocolType

The protocol type of the created gateway target.

Type: String

Valid Values: `MCP | HTTP`

status

The current status of the target.

Type: String

Valid Values: `CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED | SYNCHRONIZING | SYNCHRONIZE_UNSUCCESSFUL | CREATE_PENDING_AUTH | UPDATE_PENDING_AUTH | SYNCHRONIZE_PENDING_AUTH`

statusReasons

The reasons for the current status of the target.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

targetConfiguration

The configuration settings for the target.

Type: TargetConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

targetId

The unique identifier of the created target.

Type: String

Pattern: `[0-9a-zA-Z]{10}`

updatedAt

The timestamp when the target was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateHarness

Operation to create a harness.

Request Syntax

```
POST /harnesses HTTP/1.1
Content-type: application/json

{
   "allowedTools": [ "string" ],
   "authorizerConfiguration": { ... },
   "clientToken": "string",
   "environment": { ... },
   "environmentArtifact": { ... },
   "environmentVariables": {
      "string" : "string"
   },
   "executionRoleArn": "string",
   "harnessName": "string",
   "hooks": [
      { ... }
   ],
   "maxIterations": number,
   "maxTokens": number,
   "memory": { ... },
   "model": { ... },
   "skills": [
      { ... }
   ],
   "systemPrompt": [
      { ... }
   ],
   "tags": {
      "string" : "string"
   },
   "timeoutSeconds": number,
   "tools": [
      {
         "config": { ... },
         "name": "string",
         "type": "string"
      }
```

```
    ],
    "truncation": {
       "config": { ... },
       "strategy": "string"
    }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

allowedTools

The tools that the agent is allowed to use. Supports glob patterns such as * for all tools, @builtin for all built-in tools, or @serverName/toolName for specific MCP server tools.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `(\*|@?[^/]+(/[^/]+)?)`

Required: No

authorizerConfiguration

Represents inbound authorization configuration options used to authenticate incoming requests.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

environment

The compute environment configuration for the harness, including network and lifecycle settings.

Type: HarnessEnvironmentProviderRequest object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

environmentArtifact

The environment artifact for the harness, such as a custom container image containing additional dependencies.

Type: HarnessEnvironmentArtifact object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

environmentVariables

Environment variables to set in the harness runtime environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 100.

Value Length Constraints: Minimum length of 0. Maximum length of 5000.

Required: No

executionRoleArn

The ARN of the IAM role that the harness assumes when running. This role must have permissions for the services the agent needs to access, such as Amazon Bedrock for model invocation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: Yes

harnessName

The name of the harness. Must start with a letter and contain only alphanumeric characters and underscores.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}`

Required: Yes

hooks

The lifecycle hooks to run at defined points in the agent loop.

Type: Array of HarnessHook objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: No

maxIterations

The maximum number of iterations the agent loop can execute per invocation.

Type: Integer

Required: No

maxTokens

The maximum total number of output tokens the agent can generate across all model calls within a single invocation.

Type: Integer

Required: No

memory

The AgentCore Memory configuration for persisting conversation context across sessions.

Type: HarnessMemoryConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

model

The model configuration for the harness. Supports Amazon Bedrock, OpenAI, and Google Gemini model providers.

Type: HarnessModelConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

skills

The skills available to the agent. Skills are bundles of files that the agent can pull into its context on demand.

Type: Array of HarnessSkill objects

Required: No

systemPrompt

The system prompt that defines the agent's behavior and instructions.

Type: Array of HarnessSystemContentBlock objects

Required: No

tags

Tags to apply to the harness resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

timeoutSeconds

The maximum duration in seconds for the agent loop execution per invocation.

Type: Integer

Required: No

tools

The tools available to the agent, such as remote MCP servers, AgentCore Gateway, AgentCore Browser, Code Interpreter, or inline functions.

Type: Array of HarnessTool objects

Required: No

truncation

The truncation configuration for managing conversation context when it exceeds model limits.

Type: HarnessTruncationConfiguration object

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "harness": {
      "allowedTools": [ "string" ],
      "arn": "string",
      "authorizerConfiguration": { ... },
      "createdAt": "string",
      "environment": { ... },
      "environmentArtifact": { ... },
```

```
      "environmentVariables": {
         "string" : "string"
      },
      "executionRoleArn": "string",
      "failureReason": "string",
      "harnessId": "string",
      "harnessName": "string",
      "harnessVersion": "string",
      "hooks": [
         { ... }
      ],
      "maxIterations": number,
      "maxTokens": number,
      "memory": { ... },
      "model": { ... },
      "skills": [
         { ... }
      ],
      "status": "string",
      "systemPrompt": [
         { ... }
      ],
      "timeoutSeconds": number,
      "tools": [
         {
            "config": { ... },
            "name": "string",
            "type": "string"
         }
      ],
      "truncation": {
         "config": { ... },
         "strategy": "string"
      },
      "updatedAt": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

harness

The harness that was created.

Type: Harness object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateHarnessEndpoint

Operation to create a harness endpoint.

Request Syntax

```
POST /harnesses/harnessId/endpoints HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": "string",
   "endpointName": "string",
   "tags": {
      "string" : "string"
   },
   "targetVersion": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

harnessId

The ID of the harness to create an endpoint for.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

A description of the endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

endpointName

The name of the endpoint. Must start with a letter and contain only alphanumeric characters and underscores.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

tags

Tags to apply to the endpoint resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

targetVersion

The harness version that the endpoint points to and serves invocations from.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "endpoint": {
      "arn": "string",
      "createdAt": "string",
      "description": "string",
      "endpointName": "string",
      "failureReason": "string",
      "harnessId": "string",
      "harnessName": "string",
      "liveVersion": "string",
      "status": "string",
      "targetVersion": "string",
      "updatedAt": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

endpoint

The endpoint that was created.

Type: HarnessEndpoint object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateMemory

Creates a new Amazon Bedrock AgentCore Memory resource.

Request Syntax

```
POST /memories/create HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": "string",
   "encryptionKeyArn": "string",
   "eventExpiryDuration": number,
   "indexedKeys": [
      {
         "key": "string",
         "type": "string"
      }
   ],
   "memoryExecutionRoleArn": "string",
   "memoryStrategies": [
      { ... }
   ],
   "name": "string",
   "namespaceKeys": [
      {
         "key": "string",
         "validation": {
            "allowedValues": [ "string" ],
            "regexPattern": "string"
         }
      }
   ],
   "streamDeliveryResources": {
      "resources": [
         { ... }
      ]
   },
   "tags": {
      "string" : "string"
   }
```

```
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the operation completes no more than one time. If this token matches a previous request, Amazon Bedrock ignores the request but does not return an error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

description

The description of the memory.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

encryptionKeyArn

The Amazon Resource Name (ARN) of the Amazon KMS key used to encrypt the memory data.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

eventExpiryDuration

The duration after which memory events expire. Specified as an ISO 8601 duration.

Type: Integer

Valid Range: Minimum value of 3. Maximum value of 365.

Required: Yes

indexedKeys

Metadata keys to index for filtering. Once declared, indexed keys cannot be removed.

Type: Array of IndexedKey objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

memoryExecutionRoleArn

The Amazon Resource Name (ARN) of the IAM role that provides permissions for the memory to access Amazon services.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

memoryStrategies

The memory strategies to use for this memory. Strategies define how information is extracted, processed, and consolidated.

Type: Array of MemoryStrategyInput objects

Required: No

name

The name of the memory. The name must be unique within your account.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

namespaceKeys

The namespace variable key definitions with optional validation rules. Use these `namespaceKeys` in `namespaceTemplates` to control namespace hierarchy.

Type: Array of NamespaceKeyEntry objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

streamDeliveryResources

Configuration for streaming memory record data to external resources.

Type: StreamDeliveryResources object

Required: No

tags

A map of tag keys and values to assign to an AgentCore Memory. Tags enable you to categorize your resources in different ways, for example, by purpose, owner, or environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "memory": {
      "arn": "string",
      "createdAt": number,
      "description": "string",
      "encryptionKeyArn": "string",
      "eventExpiryDuration": number,
      "failureReason": "string",
      "id": "string",
      "indexedKeys": [
         {
            "key": "string",
            "type": "string"
         }
      ],
      "managedByResourceArn": "string",
      "memoryExecutionRoleArn": "string",
      "name": "string",
      "namespaceKeys": [
         {
            "key": "string",
            "validation": {
               "allowedValues": [ "string" ],
               "regexPattern": "string"
            }
         }
      ],
      "status": "string",
      "strategies": [
         {
            "configuration": {
               "consolidation": { ... },
               "extraction": { ... },
               "reflection": { ... },
               "selfManagedConfiguration": {
                  "historicalContextWindowSize": number,
                  "invocationConfiguration": {
                     "payloadDeliveryBucketName": "string",
```

```
                    "topicArn": "string"
                 },
                 "triggerConditions": [
                    { ... }
                 ]
              },
              "type": "string"
           },
           "createdAt": number,
           "description": "string",
           "memoryRecordSchema": {
              "metadataSchema": [
                 {
                    "extractionConfig": { ... },
                    "extractionType": "string",
                    "key": "string",
                    "type": "string"
                 }
              ]
           },
           "name": "string",
           "namespaces": [ "string" ],
           "namespaceTemplates": [ "string" ],
           "status": "string",
           "strategyId": "string",
           "type": "string",
           "updatedAt": number
        }
     ],
     "streamDeliveryResources": {
        "resources": [
           { ... }
        ]
     },
     "updatedAt": number
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

memory

The details of the created memory, including its ID, ARN, name, description, and configuration settings.

Type: Memory object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceException

An internal error occurred.

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottledException

API rate limit has been exceeded.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateOauth2CredentialProvider

Creates a new OAuth2 credential provider.

Request Syntax

```
POST /identities/CreateOauth2CredentialProvider HTTP/1.1
Content-type: application/json

{
   "credentialProviderVendor": "string",
   "name": "string",
   "oauth2ProviderConfigInput": { ... },
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

credentialProviderVendor

The vendor of the OAuth2 credential provider. This specifies which OAuth2 implementation to use.

Type: String

Valid Values: `GoogleOauth2 | GithubOauth2 | SlackOauth2 | SalesforceOauth2 | MicrosoftOauth2 | CustomOauth2 | AtlassianOauth2 | LinkedinOauth2 | XOauth2 | OktaOauth2 | OneLoginOauth2 | PingOneOauth2 | FacebookOauth2 | YandexOauth2 | RedditOauth2 | ZoomOauth2 | TwitchOauth2 | SpotifyOauth2 | DropboxOauth2 | NotionOauth2 | HubspotOauth2 | CyberArkOauth2 | FusionAuthOauth2 | Auth0Oauth2 | CognitoOauth2`

Required: Yes

name

The name of the OAuth2 credential provider. The name must be unique within your account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

oauth2ProviderConfigInput

The configuration settings for the OAuth2 provider, including client ID, client secret, and other vendor-specific settings.

Type: Oauth2ProviderConfigInput object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

tags

A map of tag keys and values to assign to the OAuth2 credential provider. Tags enable you to categorize your resources in different ways, for example, by purpose, owner, or environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "callbackUrl": "string",
   "clientSecretArn": {
      "secretArn": "string"
   },
   "clientSecretJsonKey": "string",
   "clientSecretSource": "string",
   "credentialProviderArn": "string",
   "name": "string",
   "oauth2ProviderConfigOutput": { ... },
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

callbackUrl

Callback URL to register on the OAuth2 credential provider as an allowed callback URL. This URL is where the OAuth2 authorization server redirects users after they complete the authorization flow.

Type: String

clientSecretArn

The Amazon Resource Name (ARN) of the client secret in Amazon Secrets Manager.

Type: Secret object

clientSecretJsonKey

The JSON key used to extract the client secret value from the Amazon Secrets Manager secret.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

clientSecretSource

The source type of the client secret. Either `MANAGED` if the secret is managed by the service, or `EXTERNAL` if managed by the user in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED | EXTERNAL`

credentialProviderArn

The Amazon Resource Name (ARN) of the OAuth2 credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/oauth2credentialprovider/[a-zA-Z0-9-.]+`

name

The name of the OAuth2 credential provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

oauth2ProviderConfigOutput

Contains the output configuration for an OAuth2 provider.

Type: Oauth2ProviderConfigOutput object

Note: This object is a Union. Only one member of this object can be specified or returned.

status

The current status of the OAuth2 credential provider.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

DecryptionFailure

Exception thrown when decryption of a secret fails.

HTTP Status Code: 400

EncryptionFailure

Exception thrown when encryption of a secret fails.

HTTP Status Code: 400

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceLimitExceededException

Exception thrown when a resource limit is exceeded.

HTTP Status Code: 400

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateOnlineEvaluationConfig

Creates an online evaluation configuration for continuous monitoring of agent performance. Online evaluation automatically samples live traffic from CloudWatch logs at specified rates and applies evaluators to assess agent quality in production.

Request Syntax

```
POST /online-evaluation-configs/create HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "clusteringConfig": {
      "frequencies": [ "string" ]
   },
   "dataSourceConfig": { ... },
   "description": "string",
   "enableOnCreate": boolean,
   "evaluationExecutionRoleArn": "string",
   "evaluators": [
      { ... }
   ],
   "insights": [
      {
         "insightId": "string"
      }
   ],
   "onlineEvaluationConfigName": "string",
   "outputConfig": {
      "cloudWatchConfig": {
         "logGroupName": "string",
         "metricsNamespace": "string",
         "resultDestination": "string"
      }
   },
   "rule": {
      "filters": [
         {
            "key": "string",
            "operator": "string",
            "value": { ... }
```

```
            }
        ],
        "samplingConfig": {
            "samplingPercentage": number
        },
        "sessionConfig": {
            "sessionTimeoutMinutes": number
        }
    },
    "tags": {
        "string" : "string"
    }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

clusteringConfig

Configuration for periodic batch evaluation clustering of insight results.

Type: ClusteringConfig object

Required: No

dataSourceConfig

The data source configuration that specifies CloudWatch log groups and service names to monitor for agent traces.

Type: DataSourceConfig object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

description

The description of the online evaluation configuration that explains its monitoring purpose and scope.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `.+`

Required: No

enableOnCreate

Whether to enable the online evaluation configuration immediately upon creation. If true, evaluation begins automatically.

Type: Boolean

Required: Yes

evaluationExecutionRoleArn

The Amazon Resource Name (ARN) of the IAM role that grants permissions to read from CloudWatch logs, write evaluation results, and invoke Amazon Bedrock models for evaluation. If the configuration references evaluators encrypted with a customer managed Amazon KMS key, this role must also have `kms:Decrypt` permission on the KMS key. The service validates this permission at configuration creation time. For more information, see Encryption at rest for AgentCore Evaluations.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: Yes

evaluators

The list of evaluators to apply during online evaluation. Can include both built-in evaluators and custom evaluators created with `CreateEvaluator`.

Type: Array of EvaluatorReference objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Required: No

insights

The list of insight types to run against agent sessions.

Type: Array of Insight objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

onlineEvaluationConfigName

The name of the online evaluation configuration. Must be unique within your account.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

outputConfig

The configuration that specifies where evaluation results should be written for monitoring and analysis.

Type: OutputConfig object

Required: No

rule

The evaluation rule that defines sampling configuration, filters, and session detection settings for the online evaluation.

Type: Rule object

Required: Yes

tags

A map of tag keys and values to assign to an AgentCore Online Evaluation Config. Tags enable you to categorize your resources in different ways, for example, by purpose, owner, or environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "createdAt": number,
   "executionStatus": "string",
   "failureReason": "string",
   "onlineEvaluationConfigArn": "string",
   "onlineEvaluationConfigId": "string",
   "outputConfig": {
      "cloudWatchConfig": {
         "logGroupName": "string",
```

```
            "metricsNamespace": "string",
            "resultDestination": "string"
        }
    },
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the online evaluation configuration was created.

Type: Timestamp

executionStatus

The execution status indicating whether the online evaluation is currently running.

Type: String

Valid Values: `ENABLED | DISABLED`

failureReason

The reason for failure if the online evaluation configuration creation or execution failed.

Type: String

onlineEvaluationConfigArn

The Amazon Resource Name (ARN) of the created online evaluation configuration.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:online-evaluation-config\/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

onlineEvaluationConfigId

The unique identifier of the created online evaluation configuration.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

outputConfig

The configuration that specifies where evaluation results should be written for monitoring and analysis.

Type: OutputConfig object

status

The status of the online evaluation configuration.

Type: String

Valid Values: `ACTIVE | CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | DELETING | ERROR`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreatePaymentConnector

Creates a new payment connector for a payment manager. A payment connector integrates with a supported payment provider to enable payment processing capabilities.

Request Syntax

```
POST /payments/managers/paymentManagerId/connectors HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "credentialProviderConfigurations": [
      { ... }
   ],
   "description": "string",
   "name": "string",
   "provisionMode": "string",
   "type": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

paymentManagerId

The unique identifier of the payment manager to create the connector for.

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

credentialProviderConfigurations

The credential provider configurations for the payment connector. These configurations specify how the connector authenticates with the payment provider.

Type: Array of CredentialsProviderConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 1 item.

Required: Yes

description

A description of the payment connector.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: `[^\p{C}]*`

Required: No

name

The name of the payment connector.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

provisionMode

The provision mode for creating the payment connector. If you don't specify a value, the default is `MANUAL`.

- `MANUAL` - You provide the credential provider configurations directly.
- `QUICK_CREATE` - The service orchestrates OAuth consent and provisions the credential provider for you.

Type: String

Valid Values: `MANUAL | QUICK_CREATE`

Required: No

type

The type of payment connector, which determines the payment provider integration.

Type: String

Valid Values: `CoinbaseCDP | StripePrivy`

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "authorizationUrl": "string",
   "createdAt": "string",
   "credentialProviderConfigurations": [
      { ... }
   ],
   "name": "string",
   "paymentConnectorId": "string",
   "paymentManagerId": "string",
```

```
    "status": "string",
    "type": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

authorizationUrl

The URL that the user must open to complete OAuth consent. This field is only present when the payment connector status is `PENDING_AUTHENTICATION`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: `https://[^\p{C}]*`

createdAt

The timestamp when the payment connector was created.

Type: Timestamp

credentialProviderConfigurations

The credential provider configurations for the created payment connector.

Type: Array of CredentialsProviderConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 1 item.

name

The name of the created payment connector.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

paymentConnectorId

The unique identifier of the created payment connector.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z_][-]?){1,100}-[0-9a-z]{10}`

paymentManagerId

The unique identifier of the parent payment manager.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

status

The current status of the payment connector. Possible values include `CREATING`, `READY`, `UPDATING`, `DELETING`, `CREATE_FAILED`, `UPDATE_FAILED`, and `DELETE_FAILED`.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | READY | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED | AWS_MARKETPLACE_SUBSCRIPTION_REQUIRED | PENDING_AUTHENTICATION | PROVISIONING | AUTHENTICATION_EXPIRED | AUTHENTICATION_FAILED`

type

The type of the created payment connector.

Type: String

Valid Values: `CoinbaseCDP | StripePrivy`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

SubscriptionRequiredException

The request failed because it requires an active Amazon Marketplace subscription that is not present. Subscribe to the required product in Amazon Marketplace and try again.

HTTP Status Code: 403

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreatePaymentCredentialProvider

Creates a new payment credential provider for storing authentication credentials used by payment connectors to communicate with external payment providers.

Request Syntax

```
POST /identities/CreatePaymentCredentialProvider HTTP/1.1
Content-type: application/json

{
   "credentialProviderVendor": "string",
   "name": "string",
   "providerConfigurationInput": { ... },
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

credentialProviderVendor

The vendor type for the payment credential provider (e.g., CoinbaseCDP, StripePrivy).

Type: String

Valid Values: `CoinbaseCDP | StripePrivy`

Required: Yes

name

Unique name for the payment credential provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

providerConfigurationInput

Configuration specific to the vendor, including API credentials.

Type: PaymentProviderConfigurationInput object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

tags

Optional tags for resource organization.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "credentialProviderArn": "string",
   "credentialProviderVendor": "string",
   "name": "string",
```

```
    "providerConfigurationOutput": { ... }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

credentialProviderArn

The Amazon Resource Name (ARN) of the created payment credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/paymentcredentialprovider/[a-zA-Z0-9-.]+`

credentialProviderVendor

The vendor type for the created payment credential provider.

Type: String

Valid Values: `CoinbaseCDP | StripePrivy`

name

The name of the created payment credential provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

providerConfigurationOutput

Output configuration (contains secret ARNs, excludes actual secret values).

Type: PaymentProviderConfigurationOutput object

Note: This object is a Union. Only one member of this object can be specified or returned.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

DecryptionFailure

Exception thrown when decryption of a secret fails.

HTTP Status Code: 400

EncryptionFailure

Exception thrown when encryption of a secret fails.

HTTP Status Code: 400

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceLimitExceededException

Exception thrown when a resource limit is exceeded.

HTTP Status Code: 400

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreatePaymentManager

Creates a new payment manager in your Amazon account. A payment manager serves as the top-level resource for managing payment processing capabilities, including payment connectors that integrate with supported payment providers.

If you specify `CUSTOM_JWT` as the `authorizerType`, you must provide an `authorizerConfiguration`.

Request Syntax

```
POST /payments/managers HTTP/1.1
Content-type: application/json

{
   "authorizerConfiguration": { ... },
   "authorizerType": "string",
   "clientToken": "string",
   "description": "string",
   "kmsKeyArn": "string",
   "name": "string",
   "roleArn": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

authorizerConfiguration

The authorizer configuration for the payment manager.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

authorizerType

The type of authorizer to use for the payment manager.

- `CUSTOM_JWT` - Authorize with a bearer token.
- `AWS_IAM` - Authorize with your Amazon IAM credentials.

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM`

Required: Yes

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

A description of the payment manager.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: `[^\p{C}]*`

Required: No

kmsKeyArn

The Amazon Resource Name (ARN) of the customer managed Amazon KMS key to use for encrypting sensitive payment manager data at rest. If you don't specify a key, the data is encrypted with an Amazon owned key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

name

The name of the payment manager.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9]{0,47}`

Required: Yes

roleArn

The Amazon Resource Name (ARN) of the IAM role that the payment manager assumes to access resources on your behalf.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: Yes

tags

A map of tag keys and values to assign to the payment manager.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "authorizerConfiguration": { ... },
   "authorizerType": "string",
   "createdAt": "string",
   "kmsKeyArn": "string",
   "name": "string",
   "paymentManagerArn": "string",
   "paymentManagerId": "string",
   "roleArn": "string",
   "status": "string",
   "tags": {
      "string" : "string"
   },
   "workloadIdentityDetails": {
      "workloadIdentityArn": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

authorizerConfiguration

Represents inbound authorization configuration options used to authenticate incoming requests.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

authorizerType

The type of authorizer for the created payment manager.

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM`

createdAt

The timestamp when the payment manager was created.

Type: Timestamp

kmsKeyArn

The Amazon Resource Name (ARN) of the Amazon KMS key used to encrypt sensitive payment manager data at rest, if configured.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

name

The name of the created payment manager.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9]{0,47}`

paymentManagerArn

The Amazon Resource Name (ARN) of the created payment manager.

Type: String

Length Constraints: Minimum length of 66. Maximum length of 2048.

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:payment-manager/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

paymentManagerId

The unique identifier of the created payment manager.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

roleArn

The Amazon Resource Name (ARN) of the IAM role associated with the created payment manager.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

status

The current status of the payment manager. Possible values include `CREATING`, `READY`, `UPDATING`, `DELETING`, `CREATE_FAILED`, `UPDATE_FAILED`, and `DELETE_FAILED`.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | READY | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

tags

The tags associated with the created payment manager.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

workloadIdentityDetails

The information about the workload identity.

Type: WorkloadIdentityDetails object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreatePolicy

Creates a policy within the AgentCore Policy system. Policies provide real-time, deterministic control over agentic interactions with AgentCore Gateway. Using Cedar or Dogwood, you can define fine-grained policies that specify which interactions with Gateway tools are permitted based on input parameters and OAuth claims, ensuring agents operate within defined boundaries and business rules. The policy is validated during creation against the Cedar schema generated from the Gateway's tools' input schemas, which defines the available tools, their parameters, and expected data types. This is an asynchronous operation. Use the GetPolicy operation to poll the `status` field to track completion.

If the new policy is a temporal policy, creating it invalidates the policy engine's active temporal sessions. For more information about temporal policy sessions, see session-based temporal policies. The policy engine returns an HTTP 409 `ConflictException` to in-flight sessions. To resume, you must start a new session with a new session ID.

Request Syntax

```
POST /policy-engines/policyEngineId/policies HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "definition": { ... },
   "description": "string",
   "enforcementMode": "string",
   "name": "string",
   "validationMode": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

policyEngineId

The identifier of the policy engine which contains this policy. Policy engines group related policies and provide the execution context for policy evaluation.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure the idempotency of the request. The Amazon SDK automatically generates this token, so you don't need to provide it in most cases. If you retry a request with the same client token, the service returns the same response without creating a duplicate policy.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

definition

The Cedar or Dogwood policy statement that defines the access control rules. This contains the actual policy logic written in Cedar or Dogwood, specifying effect (permit or forbid), principals, actions, resources, and conditions for agent behavior control.

Type: PolicyDefinition object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

description

A human-readable description of the policy's purpose and functionality (1-4,096 characters). This helps policy administrators understand the policy's intent, business rules, and operational scope. Use this field to document why the policy exists, what business requirement it addresses, and any special considerations for maintenance. Clear descriptions are essential for policy governance, auditing, and troubleshooting.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

enforcementMode

The enforcement mode for the policy. Run this policy in `LOG_ONLY` mode to collect data on how it affects your application. Once you are satisfied with the data gathered, switch the policy to `ACTIVE`. Defaults to `ACTIVE`.

Type: String

Valid Values: `ACTIVE | LOG_ONLY`

Required: No

name

The customer-assigned immutable name for the policy. Must be unique within the account. This name is used for policy identification and cannot be changed after creation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

Required: Yes

validationMode

The validation mode for the policy creation. Determines how Cedar analyzer validation results are handled during policy creation. FAIL_ON_ANY_FINDINGS (default) runs the Cedar analyzer to validate the policy against the Cedar schema and tool context, failing creation if the analyzer detects any validation issues to ensure strict conformance. IGNORE_ALL_FINDINGS runs the Cedar analyzer but allows policy creation even if validation issues are detected, useful for testing or when the policy schema is evolving. Use FAIL_ON_ANY_FINDINGS for production policies to ensure correctness, and IGNORE_ALL_FINDINGS only when you understand and accept the analyzer findings.

Type: String

Valid Values: `FAIL_ON_ANY_FINDINGS | IGNORE_ALL_FINDINGS`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "createdAt": "string",
   "definition": { ... },
   "description": "string",
   "enforcementMode": "string",
   "name": "string",
   "policyArn": "string",
   "policyEngineId": "string",
   "policyId": "string",
   "status": "string",
   "statusReasons": [ "string" ],
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the policy was created. This is automatically set by the service and used for auditing and lifecycle management.

Type: Timestamp

definition

The Cedar or Dogwood policy statement that was created. This is the validated policy definition that will be used for agent behavior control and access decisions.

Type: PolicyDefinition object

Note: This object is a Union. Only one member of this object can be specified or returned.

description

The human-readable description of the policy's purpose and functionality. This helps administrators understand and manage the policy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

enforcementMode

The enforcement mode of the created policy.

Type: String

Valid Values: `ACTIVE | LOG_ONLY`

name

The customer-assigned name of the created policy. This matches the name provided in the request and serves as the human-readable identifier for the policy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

policyArn

The Amazon Resource Name (ARN) of the created policy. This globally unique identifier can be used for cross-service references and IAM policy statements.

Type: String

Length Constraints: Minimum length of 96. Maximum length of 203.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}/policy/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

policyEngineId

The identifier of the policy engine that manages this policy. This confirms the policy engine assignment and is used for policy evaluation routing.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

policyId

The unique identifier for the created policy. This is a system-generated identifier consisting of the user name plus a 10-character generated suffix, used for all subsequent policy operations.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

status

The current status of the policy. A status of `ACTIVE` indicates the policy is ready for use.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

statusReasons

Additional information about the policy status. This provides details about any failures or the current state of the policy creation process.

Type: Array of strings

updatedAt

The timestamp when the policy was last updated. For newly created policies, this matches the createdAt timestamp.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreatePolicyEngine

Creates a new policy engine within the AgentCore Policy system. A policy engine is a collection of policies that evaluates and authorizes agent tool calls. When associated with Gateways (each Gateway can be associated with at most one policy engine, but multiple Gateways can be associated with the same engine), the policy engine intercepts all agent requests and determines whether to allow or deny each action based on the defined policies. This is an asynchronous operation. Use the GetPolicyEngine operation to poll the `status` field to track completion.

Request Syntax

```
POST /policy-engines HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": "string",
   "encryptionKeyArn": "string",
   "name": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you retry a request with the same client token, the service returns the same response without creating a duplicate policy engine.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

A human-readable description of the policy engine's purpose and scope (1-4,096 characters). This helps administrators understand the policy engine's role in the overall governance strategy. Document which Gateway this engine will be associated with, what types of tools or workflows it governs, and the team or service responsible for maintaining it. Clear descriptions are essential when managing multiple policy engines across different services or environments.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

encryptionKeyArn

The Amazon Resource Name (ARN) of the Amazon KMS key used to encrypt the policy engine data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

name

The customer-assigned immutable name for the policy engine. This name identifies the policy engine and cannot be changed after creation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

Required: Yes

tags

A map of tag keys and values to assign to an AgentCore Policy. Tags enable you to categorize your resources in different ways, for example, by purpose, owner, or environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "createdAt": "string",
   "description": "string",
   "encryptionKeyArn": "string",
   "name": "string",
   "policyEngineArn": "string",
   "policyEngineId": "string",
   "status": "string",
   "statusReasons": [ "string" ],
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the policy engine was created. This is automatically set by the service and used for auditing and lifecycle management.

Type: Timestamp

description

A human-readable description of the policy engine's purpose.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

encryptionKeyArn

The Amazon Resource Name (ARN) of the Amazon KMS key used to encrypt the policy engine data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

name

The customer-assigned name of the created policy engine. This matches the name provided in the request and serves as the human-readable identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

policyEngineArn

The Amazon Resource Name (ARN) of the created policy engine. This globally unique identifier can be used for cross-service references and IAM policy statements.

Type: String

Length Constraints: Minimum length of 76. Maximum length of 136.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

policyEngineId

The unique identifier for the created policy engine. This system-generated identifier consists of the user name plus a 10-character generated suffix and is used for all subsequent policy engine operations.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

status

The current status of the policy engine. A status of `ACTIVE` indicates the policy engine is ready for use.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

statusReasons

Additional information about the policy engine status. This provides details about any failures or the current state of the policy engine creation process.

Type: Array of strings

updatedAt

The timestamp when the policy engine was last updated. For newly created policy engines, this matches the `createdAt` timestamp.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++

- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateRegistry

Creates a new registry in your Amazon account. A registry serves as a centralized catalog for organizing and managing registry records, including MCP servers, A2A agents, agent skills, and custom resource types.

If you specify `CUSTOM_JWT` as the `authorizerType`, you must provide an `authorizerConfiguration`.

Request Syntax

```
POST /registries HTTP/1.1
Content-type: application/json

{
   "approvalConfiguration": {
      "autoApproval": boolean
   },
   "authorizerConfiguration": { ... },
   "authorizerType": "string",
   "clientToken": "string",
   "description": "string",
   "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

approvalConfiguration

The approval configuration for registry records. Controls whether records require explicit approval before becoming active. See the `ApprovalConfiguration` data type for supported configuration options.

Type: ApprovalConfiguration object

Required: No

authorizerConfiguration

The authorizer configuration for the registry. Required if `authorizerType` is `CUSTOM_JWT`. For details, see the `AuthorizerConfiguration` data type.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

authorizerType

The type of authorizer to use for the registry. This controls the authorization method for the Search and Invoke APIs used by consumers, and does not affect the standard CRUDL APIs for registry and registry record management used by administrators.

- `CUSTOM_JWT` - Authorize with a bearer token.
- `AWS_IAM` - Authorize with your Amazon IAM credentials.

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM`

Required: No

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

A description of the registry.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

name

The name of the registry. The name must be unique within your account and can contain alphanumeric characters and underscores.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "registryArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

registryArn

The Amazon Resource Name (ARN) of the created registry.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2

- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateRegistryRecord

Creates a new registry record within the specified registry. A registry record represents an individual AI resource's metadata in the registry. This could be an MCP server (and associated tools), A2A agent, agent skill, or a custom resource with a custom schema.

The record is processed asynchronously and returns HTTP 202 Accepted.

Request Syntax

```
POST /registries/registryId/records HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": "string",
   "descriptors": {
      "a2a": {
         "agentCard": {
            "inlineContent": "string",
            "schemaVersion": "string"
         }
      },
      "agentSkills": {
         "skillDefinition": {
            "inlineContent": "string",
            "schemaVersion": "string"
         },
         "skillMd": {
            "inlineContent": "string"
         }
      },
      "custom": {
         "inlineContent": "string"
      },
      "mcp": {
         "server": {
            "inlineContent": "string",
            "schemaVersion": "string"
         },
         "tools": {
            "inlineContent": "string",
```

```
            "protocolVersion": "string"
         }
      }
   },
   "descriptorType": "string",
   "name": "string",
   "recordVersion": "string",
   "synchronizationConfiguration": {
      "fromUrl": {
         "credentialProviderConfigurations": [
            {
               "credentialProvider": { ... },
               "credentialProviderType": "string"
            }
         ],
         "url": "string"
      }
   },
   "synchronizationType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

registryId

The identifier of the registry where the record will be created. You can specify either the Amazon Resource Name (ARN) or the ID of the registry.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

A description of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

descriptors

The descriptor-type-specific configuration containing the resource schema and metadata. The structure of this field depends on the `descriptorType` you specify.

Type: Descriptors object

Required: No

descriptorType

The descriptor type of the registry record.

- `MCP` - Model Context Protocol descriptor for MCP-compatible servers and tools.
- `A2A` - Agent-to-Agent protocol descriptor.
- `CUSTOM` - Custom descriptor type for resources such as APIs, Lambda functions, or servers not conforming to a standard protocol.
- `AGENT_SKILLS` - Agent skills descriptor for defining agent skill definitions.

Type: String

Valid Values: `MCP | A2A | CUSTOM | AGENT_SKILLS`

Required: Yes

name

The name of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

Required: Yes

recordVersion

The version of the registry record. Use this to track different versions of the record's content.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9.-]+`

Required: No

synchronizationConfiguration

The configuration for synchronizing registry record metadata from an external source, such as a URL-based MCP server.

Type: SynchronizationConfiguration object

Required: No

synchronizationType

The type of synchronization to use for keeping the record metadata up to date from an external source. Possible values include `FROM_URL` and `NONE`.

Type: String

Valid Values: `URL`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "recordArn": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

recordArn

The Amazon Resource Name (ARN) of the created registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/[a-zA-Z0-9]{12}`

status

The status of the registry record. Set to `CREATING` while the asynchronous workflow is in progress.

Type: String

Valid Values: `DRAFT | PENDING_APPROVAL | APPROVED | REJECTED | DEPRECATED | CREATING | UPDATING | CREATE_FAILED | UPDATE_FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

CreateWorkloadIdentity

Creates a new workload identity.

Request Syntax

```
POST /identities/CreateWorkloadIdentity HTTP/1.1
Content-type: application/json

{
   "allowedResourceOauth2ReturnUrls": [ "string" ],
   "name": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

allowedResourceOauth2ReturnUrls

The list of allowed OAuth2 return URLs for resources associated with this workload identity.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\w+:(\/?\/?)[^\s]+`

Required: No

name

The name of the workload identity. The name must be unique within your account.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 255.

Pattern: `[A-Za-z0-9_.-]+`

Required: Yes

tags

A map of tag keys and values to assign to the workload identity. Tags enable you to categorize your resources in different ways, for example, by purpose, owner, or environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "allowedResourceOauth2ReturnUrls": [ "string" ],
   "name": "string",
   "workloadIdentityArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

allowedResourceOauth2ReturnUrls

The list of allowed OAuth2 return URLs for resources associated with this workload identity.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\w+:(\/?\/?)[^\s]+`

name

The name of the workload identity.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 255.

Pattern: `[A-Za-z0-9_.-]+`

workloadIdentityArn

The Amazon Resource Name (ARN) of the workload identity.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteAgentRuntime

Deletes an Amazon Bedrock AgentCore Runtime, or a single version of an AgentCore Runtime when you provide the version qualifier.

Request Syntax

```
DELETE /runtimes/agentRuntimeId/?clientToken=clientToken&version=agentRuntimeVersion
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime to delete.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

agentRuntimeVersion

The version of the AgentCore Runtime to delete. When you provide this value, only that version is deleted. When you omit it, the entire AgentCore Runtime and all of its versions are deleted.

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

clientToken

A unique, case-sensitive identifier to ensure that the operation completes no more than one time. If this token matches a previous request, the service ignores the request but does not return an error.

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "agentRuntimeId": "string",
   "agentRuntimeVersion": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

agentRuntimeId

The unique identifier of the AgentCore Runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

agentRuntimeVersion

The version of the AgentCore Runtime that was deleted. This value is present only when you delete a single version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

status

The current status of the AgentCore Runtime deletion.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteAgentRuntimeEndpoint

Deletes an AgentCore Runtime endpoint.

Request Syntax

```
DELETE /runtimes/agentRuntimeId/runtime-endpoints/endpointName/?clientToken=clientToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime associated with the endpoint.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

endpointName

The name of the AgentCore Runtime endpoint to delete.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "agentRuntimeId": "string",
   "endpointName": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

agentRuntimeId

The unique identifier of the AgentCore Runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

endpointName

The name of the AgentCore Runtime endpoint.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

status

The current status of the AgentCore Runtime endpoint deletion.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2

- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteApiKeyCredentialProvider

Deletes an API key credential provider.

Request Syntax

```
POST /identities/DeleteApiKeyCredentialProvider HTTP/1.1
Content-type: application/json

{
   "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

name

The name of the API key credential provider to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteBrowser

Deletes a custom browser.

Request Syntax

```
DELETE /browsers/browserId?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

browserId

The unique identifier of the browser to delete.

Pattern: `(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

Required: Yes

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "browserId": "string",
   "lastUpdatedAt": "string",
   "status": "string"
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

browserId

The unique identifier of the deleted browser.

Type: String

Pattern: `(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

lastUpdatedAt

The timestamp when the browser was last updated.

Type: Timestamp

status

The current status of the browser deletion.

Type: String

Valid Values: `CREATING | CREATE_FAILED | READY | DELETING | DELETE_FAILED | DELETED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteBrowserProfile

Deletes a browser profile.

Request Syntax

```
DELETE /browser-profiles/profileId?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

profileId

The unique identifier of the browser profile to delete.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "lastSavedAt": "string",
   "lastUpdatedAt": "string",
   "profileArn": "string",
```

```
    "profileId": "string",
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

lastSavedAt

The timestamp when browser session data was last saved to this profile before deletion.

Type: Timestamp

lastUpdatedAt

The timestamp when the browser profile was last updated.

Type: Timestamp

profileArn

The Amazon Resource Name (ARN) of the deleted browser profile.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:browser-profile/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

profileId

The unique identifier of the deleted browser profile.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

status

The current status of the browser profile deletion.

Type: String

Valid Values: `READY | DELETING | DELETED | SAVING`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2

- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteCapacityProvider

Deletes a capacity provider. Before you delete a capacity provider, disassociate all agent runtimes and runtime versions that reference it. If any references remain, the operation fails.

Request Syntax

```
DELETE /capacity-providers/capacityProviderId?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

capacityProviderId

The unique identifier of the capacity provider to delete.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

Required: Yes

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

```
Content-type: application/json

{
   "capacityProviderId": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

capacityProviderId

The unique identifier of the deleted capacity provider.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

status

The current status of the capacity provider. For possible values, see `CapacityProviderStatus`.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

RetryableConflictException

The operation failed because of a conflicting request. Retry the request.

HTTP Status Code: 409

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++

- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteCodeInterpreter

Deletes a custom code interpreter.

Request Syntax

```
DELETE /code-interpreters/codeInterpreterId?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

codeInterpreterId

The unique identifier of the code interpreter to delete.

Pattern: `(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "codeInterpreterId": "string",
```

```
    "lastUpdatedAt": "string",
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

codeInterpreterId

The unique identifier of the deleted code interpreter.

Type: String

Pattern: `(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

lastUpdatedAt

The timestamp when the code interpreter was last updated.

Type: Timestamp

status

The current status of the code interpreter deletion.

Type: String

Valid Values: `CREATING | CREATE_FAILED | READY | DELETING | DELETE_FAILED | DELETED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++

- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteConfigurationBundle

Deletes a configuration bundle and all of its versions.

Request Syntax

```
DELETE /configuration-bundles/bundleId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

bundleId

The unique identifier of the configuration bundle to delete.

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "bundleArn": "string",
   "bundleId": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

bundleArn

The Amazon Resource Name (ARN) of the deleted configuration bundle.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:configuration-bundle/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

bundleId

The unique identifier of the deleted configuration bundle.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

status

The status of the configuration bundle deletion operation.

Type: String

Valid Values: `ACTIVE | CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | DELETING | DELETE_FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteConsentPortal

Deletes a consent portal.

Request Syntax

```
POST /identities/DeleteConsentPortal HTTP/1.1
Content-type: application/json

{
   "consentPortalIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

consentPortalIdentifier

The identifier of the consent portal. You can specify either the consent portal ID or its Amazon Resource Name (ARN).

Type: String

Pattern: `[a-zA-Z0-9\-_]{1,50}-[A-Za-z0-9]{10}`

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteDataset

Deletes a dataset version or an entire dataset asynchronously. If `datasetVersion` is absent, deletes all versions and the dataset record itself. If provided, deletes only that specific version.

Request Syntax

```
DELETE /datasets/datasetId?datasetVersion=datasetVersion HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

datasetId

The unique identifier of the dataset to delete.

Pattern: `[a-zA-Z0-9_-]{1,110}`

Required: Yes

datasetVersion

Optional version to delete. If absent, deletes the entire dataset. If provided, deletes only that specific version.

Pattern: `(DRAFT|[0-9]+)`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "datasetArn": "string",
   "datasetId": "string",
```

```
    "datasetVersion": "string",
    "status": "string",
    "updatedAt": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

datasetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

Pattern: `arn:aws(-[a-z]+)*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:dataset/[a-zA-Z0-9_-]{1,110}`

datasetId

The unique identifier of the dataset.

Type: String

Pattern: `[a-zA-Z0-9_-]{1,110}`

datasetVersion

The version that was deleted.

Type: String

Pattern: `(DRAFT|[0-9]+)`

status

The current status of the dataset after the delete request.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | ACTIVE | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

updatedAt

The timestamp when the delete was initiated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteDatasetExamples

Deletes specific examples by ID from DRAFT. All example IDs are validated before any deletes occur. If any ID does not exist in DRAFT, the entire batch is rejected (all-or-nothing semantics).

Request Syntax

```
POST /datasets/datasetId/examples/delete HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "exampleIds": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

datasetId

The unique identifier of the dataset.

Pattern: `[a-zA-Z0-9_-]{1,110}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

exampleIds

The IDs of the examples to delete.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[a-zA-Z0-9_.:-]+`

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "datasetArn": "string",
   "datasetId": "string",
   "deletedCount": number,
   "status": "string",
   "updatedAt": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

datasetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

Pattern: `arn:aws(-[a-z]+)*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:dataset/[a-zA-Z0-9_-]{1,110}`

datasetId

The unique identifier of the dataset.

Type: String

Pattern: `[a-zA-Z0-9_-]{1,110}`

deletedCount

The number of examples deleted.

Type: Long

status

The current status of the dataset.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | ACTIVE | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

updatedAt

The timestamp when the examples were deleted.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteEvaluator

Deletes a custom evaluator. Builtin evaluators cannot be deleted. The evaluator must not be referenced by any active online evaluation configurations.

Request Syntax

```
DELETE /evaluators/evaluatorId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

evaluatorId

The unique identifier of the evaluator to delete.

Length Constraints: Minimum length of 1. Maximum length of 111.

Pattern: `(Builtin\.[a-zA-Z0-9._-]+|ThirdParty\.[a-zA-Z0-9_-]+\.[a-zA-Z0-9_-]+|[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10})`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "evaluatorArn": "string",
   "evaluatorId": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

evaluatorArn

The Amazon Resource Name (ARN) of the deleted evaluator.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:evaluator\/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}$|^arn:aws[a-zA-Z-]*:bedrock-agentcore:::evaluator/(Builtin|ThirdParty)\.[a-zA-Z0-9._-]+`

evaluatorId

The unique identifier of the deleted evaluator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 111.

Pattern: `(Builtin\.[a-zA-Z0-9._-]+|ThirdParty\.[a-zA-Z0-9_-]+\.[a-zA-Z0-9_-]+|[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10})`

status

The status of the evaluator deletion operation.

Type: String

Valid Values: `ACTIVE | CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | DELETING`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteGateway

Deletes a gateway.

Request Syntax

```
DELETE /gateways/gatewayIdentifier/ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway to delete.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "gatewayId": "string",
   "status": "string",
   "statusReasons": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

gatewayId

The unique identifier of the deleted gateway.

Type: String

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

status

The current status of the gateway deletion.

Type: String

Valid Values: `CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED`

statusReasons

The reasons for the current status of the gateway deletion.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteGatewayRateLimit

Deletes a gateway rate limit.

Request Syntax

```
DELETE /gateways/gatewayIdentifier/rate-limits/rateLimitId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The unique identifier of the gateway.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

rateLimitId

The unique identifier of the rate limit to delete.

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9\-_\.]{0,62}[a-zA-Z0-9]`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
    "rateLimitId": "string",
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

rateLimitId

The unique identifier of the deleted rate limit.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9\-_\.]{0,62}[a-zA-Z0-9]`

status

The current status of the rate limit deletion.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteGatewayRule

Deletes a gateway rule.

Request Syntax

```
DELETE /gateways/gatewayIdentifier/rules/ruleId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway containing the rule.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

ruleId

The unique identifier of the rule to delete.

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
```

```
    "ruleId": "string",
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

ruleId

The unique identifier of the deleted rule.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

status

The status of the rule deletion operation.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteGatewayTarget

Deletes a gateway target.

You cannot delete a target that is in a pending authorization state (CREATE_PENDING_AUTH, UPDATE_PENDING_AUTH, or SYNCHRONIZE_PENDING_AUTH). Wait for the authorization to complete or fail before deleting the target.

Request Syntax

```
DELETE /gateways/gatewayIdentifier/targets/targetId/ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The unique identifier of the gateway associated with the target.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

targetId

The unique identifier of the gateway target to delete.

Pattern: `[0-9a-zA-Z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

```
Content-type: application/json

{
   "gatewayArn": "string",
   "status": "string",
   "statusReasons": [ "string" ],
   "targetId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

gatewayArn

The Amazon Resource Name (ARN) of the gateway.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}:[0-9]{12}:gateway/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

status

The current status of the gateway target deletion.

Type: String

Valid Values: `CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED | SYNCHRONIZING | SYNCHRONIZE_UNSUCCESSFUL | CREATE_PENDING_AUTH | UPDATE_PENDING_AUTH | SYNCHRONIZE_PENDING_AUTH`

statusReasons

The reasons for the current status of the gateway target deletion.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

targetId

The unique identifier of the deleted gateway target.

Type: String

Pattern: `[0-9a-zA-Z]{10}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteHarness

Operation to delete a Harness.

Request Syntax

```
DELETE /harnesses/harnessId?
clientToken=clientToken&deleteManagedMemory=deleteManagedMemory HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

deleteManagedMemory

Whether to delete the managed memory on harness deletion. Default: true. If false, the memory is disassociated and becomes a regular customer-owned resource.

harnessId

The ID of the harness to delete.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "harness": {
      "allowedTools": [ "string" ],
      "arn": "string",
      "authorizerConfiguration": { ... },
      "createdAt": "string",
      "environment": { ... },
      "environmentArtifact": { ... },
      "environmentVariables": {
         "string" : "string"
      },
      "executionRoleArn": "string",
      "failureReason": "string",
      "harnessId": "string",
      "harnessName": "string",
      "harnessVersion": "string",
      "hooks": [
         { ... }
      ],
      "maxIterations": number,
      "maxTokens": number,
      "memory": { ... },
      "model": { ... },
      "skills": [
         { ... }
      ],
      "status": "string",
      "systemPrompt": [
         { ... }
      ],
      "timeoutSeconds": number,
      "tools": [
         {
            "config": { ... },
            "name": "string",
            "type": "string"
         }
      ],
      "truncation": {
         "config": { ... },
         "strategy": "string"
      },
      "updatedAt": "string"
   }
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

harness

The harness that was deleted.

Type: Harness object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteHarnessEndpoint

Operation to delete a harness endpoint.

Request Syntax

```
DELETE /harnesses/harnessId/endpoints/endpointName?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

endpointName

The name of the endpoint to delete.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

harnessId

The ID of the harness that the endpoint belongs to.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "endpoint": {
      "arn": "string",
      "createdAt": "string",
      "description": "string",
      "endpointName": "string",
      "failureReason": "string",
      "harnessId": "string",
      "harnessName": "string",
      "liveVersion": "string",
      "status": "string",
      "targetVersion": "string",
      "updatedAt": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

endpoint

The endpoint that was deleted.

Type: HarnessEndpoint object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteMemory

Deletes an Amazon Bedrock AgentCore Memory resource. When you delete a memory resource, it is permanently removed.

Request Syntax

```
DELETE /memories/memoryId/delete?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

A client token is used for keeping track of idempotent requests. It can contain a session id which can be around 250 chars, combined with a unique Amazon identifier.

Length Constraints: Minimum length of 0. Maximum length of 500.

memoryId

The unique identifier of the memory to delete.

Length Constraints: Minimum length of 12.

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
```

```
    "memoryId": "string",
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

memoryId

The unique identifier of the deleted AgentCore Memory resource.

Type: String

Length Constraints: Minimum length of 12.

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

status

The current status of the AgentCore Memory resource deletion.

Type: String

Valid Values: `CREATING | ACTIVE | FAILED | DELETING | UPDATING`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceException

An internal error occurred.

HTTP Status Code: 500

ThrottledException

API rate limit has been exceeded.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteOauth2CredentialProvider

Deletes an OAuth2 credential provider.

Request Syntax

```
POST /identities/DeleteOauth2CredentialProvider HTTP/1.1
Content-type: application/json

{
   "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

name

The name of the OAuth2 credential provider to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteOnlineEvaluationConfig

Deletes an online evaluation configuration and stops any ongoing evaluation processes associated with it.

Request Syntax

```
DELETE /online-evaluation-configs/onlineEvaluationConfigId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

onlineEvaluationConfigId

The unique identifier of the online evaluation configuration to delete.

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "onlineEvaluationConfigArn": "string",
   "onlineEvaluationConfigId": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

onlineEvaluationConfigArn

The Amazon Resource Name (ARN) of the deleted online evaluation configuration.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:online-evaluation-config\/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

onlineEvaluationConfigId

The unique identifier of the deleted online evaluation configuration.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

status

The status of the online evaluation configuration deletion operation.

Type: String

Valid Values: `ACTIVE | CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | DELETING | ERROR`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeletePaymentConnector

Deletes a payment connector.

Request Syntax

```
DELETE /payments/managers/paymentManagerId/connectors/paymentConnectorId?
clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

paymentConnectorId

The unique identifier of the payment connector to delete.

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z_][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

paymentManagerId

The unique identifier of the parent payment manager.

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "paymentConnectorId": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

paymentConnectorId

The unique identifier of the deleted payment connector.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z_][-]?){1,100}-[0-9a-z]{10}`

status

The current status of the payment connector, set to `DELETING` when deletion is initiated. Possible values include `CREATING`, `READY`, `UPDATING`, `DELETING`, `CREATE_FAILED`, `UPDATE_FAILED`, and `DELETE_FAILED`.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | READY | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED | AWS_MARKETPLACE_SUBSCRIPTION_REQUIRED | PENDING_AUTHENTICATION | PROVISIONING | AUTHENTICATION_EXPIRED | AUTHENTICATION_FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2

- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeletePaymentCredentialProvider

Deletes a payment credential provider and its associated stored credentials.

Request Syntax

```
POST /identities/DeletePaymentCredentialProvider HTTP/1.1
Content-type: application/json

{
   "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

name

The name of the payment credential provider to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeletePaymentManager

Deletes a payment manager. All payment connectors associated with the payment manager must be deleted before the payment manager can be deleted. This operation initiates the deletion process asynchronously.

Request Syntax

```
DELETE /payments/managers/paymentManagerId?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

paymentManagerId

The unique identifier of the payment manager to delete.

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

```
Content-type: application/json

{
   "paymentManagerId": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

paymentManagerId

The unique identifier of the deleted payment manager.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

status

The current status of the payment manager, set to `DELETING` when deletion is initiated. Possible values include `CREATING`, `READY`, `UPDATING`, `DELETING`, `CREATE_FAILED`, `UPDATE_FAILED`, and `DELETE_FAILED`.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | READY | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeletePolicy

Deletes an existing policy from the AgentCore Policy system. Once deleted, the policy can no longer be used for agent behavior control and all references to it become invalid. This is an asynchronous operation. Use the `GetPolicy` operation to poll the `status` field to track completion.

Request Syntax

```
DELETE /policy-engines/policyEngineId/policies/policyId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

policyEngineId

The identifier of the policy engine that manages the policy to be deleted. This ensures the policy is deleted from the correct policy engine context.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

policyId

The unique identifier of the policy to be deleted. This must be a valid policy ID that exists within the specified policy engine.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "createdAt": "string",
   "definition": { ... },
   "description": "string",
   "enforcementMode": "string",
   "name": "string",
   "policyArn": "string",
   "policyEngineId": "string",
   "policyId": "string",
   "status": "string",
   "statusReasons": [ "string" ],
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the deleted policy was originally created.

Type: Timestamp

definition

Represents the definition structure for policies within the AgentCore Policy system. This structure encapsulates different policy formats and languages that can be used to define access control rules.

Type: PolicyDefinition object

Note: This object is a Union. Only one member of this object can be specified or returned.

description

The human-readable description of the deleted policy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

enforcementMode

The enforcement mode of the deleted policy.

Type: String

Valid Values: `ACTIVE | LOG_ONLY`

name

The customer-assigned name of the deleted policy. This confirms which policy was successfully removed from the system and matches the name that was originally assigned during policy creation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

policyArn

The Amazon Resource Name (ARN) of the deleted policy. This globally unique identifier confirms which policy resource was successfully removed.

Type: String

Length Constraints: Minimum length of 96. Maximum length of 203.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}/policy/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

policyEngineId

The identifier of the policy engine from which the policy was deleted. This confirms the policy engine context for the deletion operation.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

policyId

The unique identifier of the policy being deleted. This confirms which policy the deletion operation targets.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

status

The status of the policy deletion operation. This provides information about any issues that occurred during the deletion process.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

statusReasons

Additional information about the deletion status. This provides details about the deletion process or any issues that may have occurred.

Type: Array of strings

updatedAt

The timestamp when the deleted policy was last modified before deletion. This tracks the final state of the policy before it was removed from the system.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeletePolicyEngine

Deletes an existing policy engine from the AgentCore Policy system. The policy engine must not have any associated policies before deletion. Once deleted, the policy engine and all its configurations become unavailable for policy management and evaluation. This is an asynchronous operation. Use the `GetPolicyEngine` operation to poll the `status` field to track completion.

Request Syntax

```
DELETE /policy-engines/policyEngineId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

policyEngineId

The unique identifier of the policy engine to be deleted. This must be a valid policy engine ID that exists within the account.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "createdAt": "string",
   "description": "string",
   "encryptionKeyArn": "string",
```

```
    "name": "string",
    "policyEngineArn": "string",
    "policyEngineId": "string",
    "status": "string",
    "statusReasons": [ "string" ],
    "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the deleted policy engine was originally created.

Type: Timestamp

description

The human-readable description of the deleted policy engine.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

encryptionKeyArn

The Amazon Resource Name (ARN) of the Amazon KMS key used to encrypt the policy engine data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

name

The customer-assigned name of the deleted policy engine.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

policyEngineArn

The Amazon Resource Name (ARN) of the deleted policy engine. This globally unique identifier confirms which policy engine resource was successfully removed.

Type: String

Length Constraints: Minimum length of 76. Maximum length of 136.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

policyEngineId

The unique identifier of the policy engine being deleted. This confirms which policy engine the deletion operation targets.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

status

The status of the policy engine deletion operation. This provides status about any issues that occurred during the deletion process.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

statusReasons

Additional information about the deletion status. This provides details about the deletion process or any issues that may have occurred.

Type: Array of strings

updatedAt

The timestamp when the deleted policy engine was last modified before deletion. This tracks the final state of the policy engine before it was removed from the system.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteRegistry

Deletes a registry. The registry must contain zero records before it can be deleted. This operation initiates the deletion process asynchronously.

Request Syntax

```
DELETE /registries/registryId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

registryId

The identifier of the registry to delete. You can specify either the Amazon Resource Name (ARN) or the ID of the registry.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

status

The current status of the registry, set to `DELETING` when deletion is initiated. For a list of all possible registry statuses, see the `RegistryStatus` data type.

Type: String

Valid Values: `CREATING | READY | UPDATING | CREATE_FAILED | UPDATE_FAILED | DELETING | DELETE_FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteRegistryRecord

Deletes a registry record. The record's status transitions to `DELETING` and the record is removed asynchronously.

Request Syntax

```
DELETE /registries/registryId/records/recordId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

recordId

The identifier of the registry record to delete. You can specify either the Amazon Resource Name (ARN) or the ID of the record.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/)?[a-zA-Z0-9]{12}`

Required: Yes

registryId

The identifier of the registry containing the record. You can specify either the Amazon Resource Name (ARN) or the ID of the registry.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteResourcePolicy

Deletes the resource-based policy for a specified resource.

> **Note**
>
> This feature is currently available only for AgentCore Runtime and Gateway.

Request Syntax

```
DELETE /resourcepolicy/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource for which to delete the resource policy.

Length Constraints: Minimum length of 20. Maximum length of 1011.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin

- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

DeleteWorkloadIdentity

Deletes a workload identity.

Request Syntax

```
POST /identities/DeleteWorkloadIdentity HTTP/1.1
Content-type: application/json

{
   "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

name

The name of the workload identity to delete.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 255.

Pattern: `[A-Za-z0-9_.-]+`

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetAgentRuntime

Gets an Amazon Bedrock AgentCore Runtime.

Request Syntax

```
GET /runtimes/agentRuntimeId/?version=agentRuntimeVersion HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime to retrieve.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

agentRuntimeVersion

The version of the AgentCore Runtime to retrieve.

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "agentRuntimeArn": "string",
   "agentRuntimeArtifact": { ... },
   "agentRuntimeId": "string",
   "agentRuntimeName": "string",
```

```
   "agentRuntimeVersion": "string",
   "authorizerConfiguration": { ... },
   "capacityProviderConfiguration": {
      "capacityProviderArn": "string"
   },
   "createdAt": "string",
   "description": "string",
   "environmentVariables": {
      "string" : "string"
   },
   "failureReason": "string",
   "filesystemConfigurations": [
      { ... }
   ],
   "lastUpdatedAt": "string",
   "lifecycleConfiguration": {
      "idleRuntimeSessionTimeout": number,
      "maxLifetime": number
   },
   "metadataConfiguration": {
      "requireMMDSV2": boolean
   },
   "networkConfiguration": {
      "networkMode": "string",
      "networkModeConfig": {
         "requireServiceS3Endpoint": boolean,
         "securityGroups": [ "string" ],
         "subnets": [ "string" ]
      }
   },
   "platformVersion": "string",
   "protocolConfiguration": {
      "serverProtocol": "string"
   },
   "requestHeaderConfiguration": { ... },
   "roleArn": "string",
   "status": "string",
   "workloadIdentityDetails": {
      "workloadIdentityArn": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

agentRuntimeArn

The Amazon Resource Name (ARN) of the AgentCore Runtime.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:runtime/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

agentRuntimeArtifact

The artifact of the AgentCore Runtime.

Type: AgentRuntimeArtifact object

Note: This object is a Union. Only one member of this object can be specified or returned.

agentRuntimeId

The unique identifier of the AgentCore Runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

agentRuntimeName

The name of the AgentCore Runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

agentRuntimeVersion

The version of the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

authorizerConfiguration

The authorizer configuration for the AgentCore Runtime.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

capacityProviderConfiguration

The capacity provider configuration for the AgentCore Runtime.

Type: CapacityProviderConfiguration object

createdAt

The timestamp when the AgentCore Runtime was created.

Type: Timestamp

description

The description of the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

environmentVariables

Environment variables set in the AgentCore Runtime environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 100.

Value Length Constraints: Minimum length of 0. Maximum length of 5000.

failureReason

The reason for failure if the AgentCore Runtime is in a failed state.

Type: String

filesystemConfigurations

The filesystem configurations mounted into the AgentCore Runtime.

Type: Array of FilesystemConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

lastUpdatedAt

The timestamp when the AgentCore Runtime was last updated.

Type: Timestamp

lifecycleConfiguration

The life cycle configuration for the AgentCore Runtime.

Type: LifecycleConfiguration object

metadataConfiguration

Configuration for microVM Metadata Service (MMDS) settings for the AgentCore Runtime.

Type: RuntimeMetadataConfiguration object

networkConfiguration

The network configuration for the AgentCore Runtime.

Type: NetworkConfiguration object

platformVersion

The version of the runtime platform used by the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[^\s]+`

protocolConfiguration

The protocol configuration for an agent runtime. This structure defines how the agent runtime communicates with clients.

Type: ProtocolConfiguration object

requestHeaderConfiguration

Configuration for HTTP request headers that will be passed through to the runtime.

Type: RequestHeaderConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

roleArn

The IAM role ARN that provides permissions for the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

status

The current status of the AgentCore Runtime.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

workloadIdentityDetails

The workload identity details for the AgentCore Runtime.

Type: WorkloadIdentityDetails object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetAgentRuntimeEndpoint

Gets information about an Amazon Secure AgentEndpoint.

Request Syntax

```
GET /runtimes/agentRuntimeId/runtime-endpoints/endpointName/ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime associated with the endpoint.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

endpointName

The name of the AgentCore Runtime endpoint to retrieve.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "agentRuntimeArn": "string",
   "agentRuntimeEndpointArn": "string",
   "createdAt": "string",
```

```
    "description": "string",
    "failureReason": "string",
    "id": "string",
    "lastUpdatedAt": "string",
    "liveVersion": "string",
    "name": "string",
    "status": "string",
    "targetVersion": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

agentRuntimeArn

The Amazon Resource Name (ARN) of the AgentCore Runtime.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:runtime/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

agentRuntimeEndpointArn

The Amazon Resource Name (ARN) of the AgentCore Runtime endpoint.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:runtime/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}/runtime-endpoint/[a-zA-Z][a-zA-Z0-9_]{0,47}`

createdAt

The timestamp when the AgentCore Runtime endpoint was created.

Type: Timestamp

description

The description of the AgentCore Runtime endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

failureReason

The reason for failure if the AgentCore Runtime endpoint is in a failed state.

Type: String

id

The unique identifier of the AgentCore Runtime endpoint.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

lastUpdatedAt

The timestamp when the AgentCore Runtime endpoint was last updated.

Type: Timestamp

liveVersion

The currently deployed version of the AgentCore Runtime on the endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

name

The name of the AgentCore Runtime endpoint.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

status

The current status of the AgentCore Runtime endpoint.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

targetVersion

The target version of the AgentCore Runtime for the endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetApiKeyCredentialProvider

Retrieves information about an API key credential provider.

Request Syntax

```
POST /identities/GetApiKeyCredentialProvider HTTP/1.1
Content-type: application/json

{
   "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

name

The name of the API key credential provider to retrieve.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "apiKeySecretArn": {
```

```
        "secretArn": "string"
    },
    "apiKeySecretJsonKey": "string",
    "apiKeySecretSource": "string",
    "createdTime": number,
    "credentialProviderArn": "string",
    "lastUpdatedTime": number,
    "name": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

apiKeySecretArn

The Amazon Resource Name (ARN) of the API key secret in Amazon Secrets Manager.

Type: Secret object

apiKeySecretJsonKey

The JSON key used to extract the API key value from the Amazon Secrets Manager secret.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

apiKeySecretSource

The source type of the API key secret. Either `MANAGED` if the secret is managed by the service, or `EXTERNAL` if managed by the user in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED | EXTERNAL`

createdTime

The timestamp when the API key credential provider was created.

Type: Timestamp

credentialProviderArn

The Amazon Resource Name (ARN) of the API key credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/apikeycredentialprovider/[a-zA-Z0-9-.]+`

lastUpdatedTime

The timestamp when the API key credential provider was last updated.

Type: Timestamp

name

The name of the API key credential provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

DecryptionFailure

Exception thrown when decryption of a secret fails.

HTTP Status Code: 400

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)

- Amazon SDK for Ruby V3

GetBrowser

Gets information about a custom browser.

Request Syntax

```
GET /browsers/browserId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

browserId

The unique identifier of the browser to retrieve.

Pattern: `(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "browserArn": "string",
   "browserId": "string",
   "browserSigning": {
      "enabled": boolean
   },
   "certificates": [
      {
         "location": { ... }
      }
   ],
```

```
   "createdAt": "string",
   "description": "string",
   "enterprisePolicies": [
      {
         "location": { ... },
         "type": "string"
      }
   ],
   "executionRoleArn": "string",
   "failureReason": "string",
   "filesystemConfigurations": [
      { ... }
   ],
   "lastUpdatedAt": "string",
   "name": "string",
   "networkConfiguration": {
      "networkMode": "string",
      "vpcConfig": {
         "requireServiceS3Endpoint": boolean,
         "securityGroups": [ "string" ],
         "subnets": [ "string" ]
      }
   },
   "recording": {
      "enabled": boolean,
      "s3Location": {
         "bucket": "string",
         "prefix": "string",
         "versionId": "string"
      }
   },
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

browserArn

The Amazon Resource Name (ARN) of the browser.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:(aws|[0-9]{12}):browser(-custom)?/(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

browserId

The unique identifier of the browser.

Type: String

Pattern: `(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

browserSigning

The browser signing configuration that shows whether cryptographic agent identification is enabled for web bot authentication.

Type: BrowserSigningConfigOutput object

certificates

The list of certificates configured for the browser.

Type: Array of Certificate objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

createdAt

The timestamp when the browser was created.

Type: Timestamp

description

The description of the browser.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

enterprisePolicies

The list of enterprise policy files configured for the browser.

Type: Array of BrowserEnterprisePolicy objects

Array Members: Minimum number of 0 items. Maximum number of 100 items.

executionRoleArn

The IAM role ARN that provides permissions for the browser.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

failureReason

The reason for failure if the browser is in a failed state.

Type: String

filesystemConfigurations

The file system configurations mounted into the browser. Each entry describes an access point and its mount path.

Type: Array of ToolsFileSystemConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

lastUpdatedAt

The timestamp when the browser was last updated.

Type: Timestamp

name

The name of the browser.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

networkConfiguration

The network configuration for a browser. This structure defines how the browser connects to the network.

Type: BrowserNetworkConfiguration object

recording

The recording configuration for a browser. This structure defines how browser sessions are recorded.

Type: RecordingConfig object

status

The current status of the browser.

Type: String

Valid Values: `CREATING | CREATE_FAILED | READY | DELETING | DELETE_FAILED | DELETED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetBrowserProfile

Gets information about a browser profile.

Request Syntax

```
GET /browser-profiles/profileId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

profileId

The unique identifier of the browser profile to retrieve.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdAt": "string",
   "description": "string",
   "lastSavedAt": "string",
   "lastSavedBrowserId": "string",
   "lastSavedBrowserSessionId": "string",
   "lastUpdatedAt": "string",
   "name": "string",
   "profileArn": "string",
   "profileId": "string",
   "status": "string"
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the browser profile was created.

Type: Timestamp

description

The description of the browser profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

lastSavedAt

The timestamp when browser session data was last saved to this profile.

Type: Timestamp

lastSavedBrowserId

The identifier of the browser from which data was last saved to this profile.

Type: String

Pattern: `(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

lastSavedBrowserSessionId

The identifier of the browser session from which data was last saved to this profile.

Type: String

Pattern: `[0-9a-zA-Z]{1,40}`

lastUpdatedAt

The timestamp when the browser profile was last updated.

Type: Timestamp

name

The name of the browser profile.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

profileArn

The Amazon Resource Name (ARN) of the browser profile.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:browser-profile/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

profileId

The unique identifier of the browser profile.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

status

The current status of the browser profile.

Type: String

Valid Values: `READY | DELETING | DELETED | SAVING`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetCapacityProvider

Retrieves information about a capacity provider, including its status, permissions configuration, and compute configuration.

Request Syntax

```
GET /capacity-providers/capacityProviderId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

capacityProviderId

The unique identifier of the capacity provider.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "capacityProviderArn": "string",
   "capacityProviderId": "string",
   "computeConfiguration": { ... },
   "createdAt": "string",
   "description": "string",
   "lastUpdatedAt": "string",
   "name": "string",
```

```
    "permissionsConfiguration": {
       "capacityProviderOperatorRoleArn": "string"
    },
    "status": "string",
    "statusCode": "string",
    "statusReason": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

capacityProviderArn

The Amazon Resource Name (ARN) of the capacity provider.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:capacity-provider/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

capacityProviderId

The unique identifier of the capacity provider.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

computeConfiguration

The compute configuration for the capacity provider.

Type: ComputeConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

createdAt

The timestamp when the capacity provider was created.

Type: Timestamp

description

The description of the capacity provider, if one was provided.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

lastUpdatedAt

The timestamp when the capacity provider was last updated.

Type: Timestamp

name

The name of the capacity provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

permissionsConfiguration

The permissions configuration for the capacity provider.

Type: PermissionsConfiguration object

status

The current status of the capacity provider. For possible values, see `CapacityProviderStatus`.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

statusCode

A reason code for a capacity provider that is not in the `READY` state. Use this code for programmatic error handling.

Type: String

Valid Values: `VALIDATION_ERROR | QUOTA_EXCEEDED | THROTTLED | INTERNAL_SERVER_EXCEPTION`

statusReason

A human-readable message that describes why the capacity provider is not in the `READY` state. Because these messages can change, use `statusCode` for programmatic error handling.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetCodeInterpreter

Gets information about a custom code interpreter.

Request Syntax

```
GET /code-interpreters/codeInterpreterId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

codeInterpreterId

The unique identifier of the code interpreter to retrieve.

Pattern: `(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "certificates": [
      {
         "location": { ... }
      }
   ],
   "codeInterpreterArn": "string",
   "codeInterpreterId": "string",
   "createdAt": "string",
   "description": "string",
```

```
    "executionRoleArn": "string",
    "failureReason": "string",
    "filesystemConfigurations": [
       { ... }
    ],
    "lastUpdatedAt": "string",
    "name": "string",
    "networkConfiguration": {
       "networkMode": "string",
       "vpcConfig": {
          "requireServiceS3Endpoint": boolean,
          "securityGroups": [ "string" ],
          "subnets": [ "string" ]
       }
    },
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

certificates

The list of certificates configured for the code interpreter.

Type: Array of Certificate objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

codeInterpreterArn

The Amazon Resource Name (ARN) of the code interpreter.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:(aws|[0-9]{12}):code-interpreter(-custom)?/(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

codeInterpreterId

The unique identifier of the code interpreter.

Type: String

Pattern: `(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

createdAt

The timestamp when the code interpreter was created.

Type: Timestamp

description

The description of the code interpreter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

executionRoleArn

The IAM role ARN that provides permissions for the code interpreter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

failureReason

The reason for failure if the code interpreter is in a failed state.

Type: String

filesystemConfigurations

The file system configurations mounted into the code interpreter. Each entry describes an access point and its mount path.

Type: Array of ToolsFileSystemConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

lastUpdatedAt

The timestamp when the code interpreter was last updated.

Type: Timestamp

name

The name of the code interpreter.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

networkConfiguration

The network configuration for a code interpreter. This structure defines how the code interpreter connects to the network.

Type: CodeInterpreterNetworkConfiguration object

status

The current status of the code interpreter.

Type: String

Valid Values: `CREATING | CREATE_FAILED | READY | DELETING | DELETE_FAILED | DELETED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetConfigurationBundle

Gets the latest version of a configuration bundle. By default, returns the latest version on the mainline branch. Use `GetConfigurationBundleVersion` to retrieve a specific historical version.

Request Syntax

```
GET /configuration-bundles/bundleId?branchName=branchName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

branchName

The branch name to get the latest version from. If not specified, returns the latest version on the mainline branch.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z][a-zA-Z0-9_/-]{0,127}`

bundleId

The unique identifier of the configuration bundle to retrieve.

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
   "bundleArn": "string",
   "bundleId": "string",
   "bundleName": "string",
   "components": {
      "string" : {
         "configuration": JSON value
      }
   },
   "createdAt": number,
   "description": "string",
   "kmsKeyArn": "string",
   "lineageMetadata": {
      "branchName": "string",
      "commitMessage": "string",
      "createdBy": {
         "arn": "string",
         "name": "string"
      },
      "parentVersionIds": [ "string" ]
   },
   "updatedAt": number,
   "versionId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

bundleArn

The Amazon Resource Name (ARN) of the configuration bundle.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:configuration-bundle/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

bundleId

The unique identifier of the configuration bundle.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

bundleName

The name of the configuration bundle.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}`

components

A map of component identifiers to their configurations for this version.

Type: String to ComponentConfiguration object map

Key Length Constraints: Minimum length of 1. Maximum length of 2048.

Key Pattern: `[a-zA-Z][a-zA-Z0-9_:/.\-]{0,2047}`

createdAt

The timestamp when the configuration bundle was created.

Type: Timestamp

description

The description of the configuration bundle.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Pattern: `.+`

kmsKeyArn

KMS key ARN used to encrypt component configurations, if CMK was provided.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

lineageMetadata

The version lineage metadata, including parent versions, branch name, and creation source.

Type: VersionLineageMetadata object

updatedAt

The timestamp when the configuration bundle was last updated.

Type: Timestamp

versionId

The version identifier of this configuration bundle.

Type: String

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetConfigurationBundleVersion

Gets a specific version of a configuration bundle by its version identifier.

Request Syntax

```
GET /configuration-bundles/bundleId/versions/versionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

bundleId

The unique identifier of the configuration bundle.

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

versionId

The version identifier of the configuration bundle version to retrieve.

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "bundleArn": "string",
   "bundleId": "string",
```

```
   "bundleName": "string",
   "components": {
      "string" : {
         "configuration": JSON value
      }
   },
   "createdAt": number,
   "description": "string",
   "kmsKeyArn": "string",
   "lineageMetadata": {
      "branchName": "string",
      "commitMessage": "string",
      "createdBy": {
         "arn": "string",
         "name": "string"
      },
      "parentVersionIds": [ "string" ]
   },
   "versionCreatedAt": number,
   "versionId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

bundleArn

The Amazon Resource Name (ARN) of the configuration bundle.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:configuration-bundle/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

bundleId

The unique identifier of the configuration bundle.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

bundleName

The name of the configuration bundle.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}`

components

A map of component identifiers to their configurations for this version.

Type: String to ComponentConfiguration object map

Key Length Constraints: Minimum length of 1. Maximum length of 2048.

Key Pattern: `[a-zA-Z][a-zA-Z0-9_:/.\-]{0,2047}`

createdAt

The timestamp when the configuration bundle was created.

Type: Timestamp

description

The description of the configuration bundle.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Pattern: `.+`

kmsKeyArn

KMS key ARN used to encrypt component configurations, if CMK was provided.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

lineageMetadata

The version lineage metadata, including parent versions, branch name, and creation source.

Type: VersionLineageMetadata object

versionCreatedAt

The timestamp when this specific version was created.

Type: Timestamp

versionId

The version identifier of this configuration bundle version.

Type: String

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetConsentPortal

Retrieves information about a consent portal.

Request Syntax

```
POST /identities/GetConsentPortal HTTP/1.1
Content-type: application/json

{
   "consentPortalIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

consentPortalIdentifier

The identifier of the consent portal. You can specify either the consent portal ID or its Amazon Resource Name (ARN).

Type: String

Pattern: `[a-zA-Z0-9\-_]{1,50}-[A-Za-z0-9]{10}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "consentPortalArn": "string",
   "consentPortalId": "string",
```

```
   "createdAt": number,
   "description": "string",
   "executionRoleArn": "string",
   "idpConfig": {
      "audience": "string",
      "credentialProviderArn": "string",
      "scopes": [ "string" ]
   },
   "name": "string",
   "portalUrl": "string",
   "sources": [
      {
         "identifier": "string",
         "type": "string"
      }
   ],
   "status": "string",
   "statusReason": "string",
   "updatedAt": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

consentPortalArn

The Amazon Resource Name (ARN) of the consent portal.

Type: String

Pattern: `arn:aws[^:]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:consent-portal/[a-zA-Z0-9\-_]{1,50}-[A-Za-z0-9]{10}`

consentPortalId

The unique identifier of the consent portal.

Type: String

Pattern: `[a-zA-Z0-9\-_]{1,50}-[A-Za-z0-9]{10}`

createdAt

The timestamp for when the consent portal was created.

Type: Timestamp

description

The description of the consent portal.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

executionRoleArn

The Amazon Resource Name (ARN) of the IAM role that the consent portal assumes to access the resources defined in its sources.

Type: String

Pattern: `arn:aws(-[a-z-]+)?:iam::[0-9]{12}:role/[a-zA-Z0-9+=,.@\-_/]+`

idpConfig

The identity provider configuration that the consent portal uses to authenticate end users.

Type: ConsentPortalIdpConfig object

name

The name of the consent portal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `[a-zA-Z0-9_-]{1,50}`

portalUrl

The URL used to access the consent portal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

sources

The resources served by the consent portal.

Type: Array of ConsentPortalSource objects

Array Members: Fixed number of 1 item.

status

The current status of the consent portal.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | UPDATE_FAILED | DELETING | FAILED`

statusReason

A message that provides additional information about the current status of the consent portal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

updatedAt

The timestamp for when the consent portal was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)

- Amazon SDK for Ruby V3

GetDataset

Retrieves dataset metadata. Use the `datasetVersion` query parameter to retrieve a specific version's metadata. If absent, defaults to DRAFT. For paginated example content, use `ListDatasetExamples`.

Request Syntax

```
GET /datasets/datasetId?datasetVersion=datasetVersion HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

datasetId

The unique identifier of the dataset to retrieve.

Pattern: `[a-zA-Z0-9_-]{1,110}`

Required: Yes

datasetVersion

Version to retrieve: "DRAFT" or a version number. Defaults to DRAFT if absent.

Pattern: `(DRAFT|[0-9]+)`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdAt": number,
   "datasetArn": "string",
```

```
   "datasetId": "string",
   "datasetName": "string",
   "datasetVersion": "string",
   "description": "string",
   "downloadUrl": "string",
   "downloadUrlExpiresAt": number,
   "draftStatus": "string",
   "exampleCount": number,
   "failureReason": "string",
   "kmsKeyArn": "string",
   "schemaType": "string",
   "status": "string",
   "tags": {
      "string" : "string"
   },
   "updatedAt": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the dataset was created.

Type: Timestamp

datasetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

Pattern: `arn:aws(-[a-z]+)*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:dataset/[a-zA-Z0-9_-]{1,110}`

datasetId

The unique identifier of the dataset.

Type: String

Pattern: `[a-zA-Z0-9_-]{1,110}`

datasetName

The name of the dataset.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

datasetVersion

The resolved version: "DRAFT" (default) or the requested version number.

Type: String

Pattern: `(DRAFT|[0-9]+)`

description

The description of the dataset.

Type: String

downloadUrl

Presigned Amazon S3 URL to download the consolidated dataset file for the resolved version. Expires after 5 minutes. Omitted if the file does not yet exist.

Type: String

downloadUrlExpiresAt

Expiry timestamp for the download URL.

Type: Timestamp

draftStatus

Publish synchronization state. Only authoritative when status is ACTIVE. MODIFIED indicates DRAFT has unpublished changes. UNMODIFIED indicates DRAFT matches the latest published version.

Type: String

Valid Values: `MODIFIED | UNMODIFIED`

exampleCount

The number of examples in the DRAFT.

Type: Long

failureReason

Populated when status is CREATE_FAILED, UPDATE_FAILED, or DELETE_FAILED. Describes the reason for the failure.

Type: String

kmsKeyArn

Amazon KMS key ARN used for server-side encryption on service Amazon S3 writes, if configured.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

schemaType

The schema type declared at create time. Immutable after creation.

Type: String

Valid Values: `AGENTCORE_EVALUATION_PREDEFINED_V1 | AGENTCORE_EVALUATION_SIMULATED_V1 | THIRD_PARTY_EVALUATION_V1`

status

The current status of the dataset.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | ACTIVE | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

tags

The tags associated with the dataset.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

updatedAt

The timestamp when the dataset was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetEvaluator

Retrieves detailed information about an evaluator, including its configuration, status, and metadata. Works with both built-in and custom evaluators.

Request Syntax

```
GET /evaluators/evaluatorId?includedData=includedData HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

evaluatorId

The unique identifier of the evaluator to retrieve. Can be a built-in evaluator ID (e.g., Builtin.Helpfulness) or a custom evaluator ID.

Length Constraints: Minimum length of 1. Maximum length of 111.

Pattern: `(Builtin\.[a-zA-Z0-9._-]+|ThirdParty\.[a-zA-Z0-9_-]+\.[a-zA-Z0-9_-]+|[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10})`

Required: Yes

includedData

Controls which data is returned in the response. `ALL_DATA` (default) returns the full evaluator including decrypted instructions and rating scale. For evaluators encrypted with a customer managed Amazon KMS key, this requires `kms:Decrypt` permission on the key. `METADATA_ONLY` returns evaluator metadata and model configuration without instructions or rating scale, and does not require any Amazon KMS permissions.

Valid Values: `ALL_DATA | METADATA_ONLY`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdAt": number,
   "description": "string",
   "evaluatorArn": "string",
   "evaluatorConfig": { ... },
   "evaluatorId": "string",
   "evaluatorName": "string",
   "evaluatorType": "string",
   "kmsKeyArn": "string",
   "level": "string",
   "lockedForModification": boolean,
   "provider": "string",
   "status": "string",
   "updatedAt": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the evaluator was created.

Type: Timestamp

description

The description of the evaluator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

evaluatorArn

The Amazon Resource Name (ARN) of the evaluator.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:evaluator\/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}$|^arn:aws[a-zA-Z-]*:bedrock-agentcore:::evaluator/(Builtin|ThirdParty)\.[a-zA-Z0-9._-]+`

evaluatorConfig

The configuration of the evaluator, including LLM-as-a-Judge or code-based settings.

Type: EvaluatorConfig object

Note: This object is a Union. Only one member of this object can be specified or returned.

evaluatorId

The unique identifier of the evaluator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 111.

Pattern: `(Builtin\.[a-zA-Z0-9._-]+|ThirdParty\.[a-zA-Z0-9_-]+\.[a-zA-Z0-9_-]+|[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10})`

evaluatorName

The name of the evaluator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `(Builtin\.[a-zA-Z0-9._-]+|ThirdParty\.[a-zA-Z0-9_-]+\.[a-zA-Z0-9_-]+|[a-zA-Z][a-zA-Z0-9_]{0,47})`

evaluatorType

The kind of evaluator resource. Valid values:

- `Builtin` – An Amazon-managed global evaluator.
- `ThirdParty` – An Amazon-managed global evaluator from a third-party provider.
- `Custom` – A customer-created evaluator.
- `CustomCode` – A customer-created code-based evaluator.

- `CustomDerived` – A customer-created evaluator derived from an existing base evaluator.

Type: String

Valid Values: `Builtin | ThirdParty | Custom | CustomCode | CustomDerived`

kmsKeyArn

The Amazon Resource Name (ARN) of the customer managed Amazon KMS key used to encrypt the evaluator's sensitive data. This field is only present for evaluators encrypted with a customer managed key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

level

The evaluation level (`TOOL_CALL`, `TRACE`, or `SESSION`) that determines the scope of evaluation.

Type: String

Valid Values: `TOOL_CALL | TRACE | SESSION`

lockedForModification

Whether the evaluator is locked for modification due to being referenced by active online evaluation configurations.

Type: Boolean

provider

The source of the evaluator's logic: Amazon, a third-party library, or you.

Type: String

Valid Values: `AWS | DeepEval | AutoEval | Custom`

status

The current status of the evaluator.

Type: String

Valid Values: `ACTIVE | CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | DELETING`

updatedAt

The timestamp when the evaluator was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetGateway

Retrieves information about a specific Gateway.

Request Syntax

```
GET /gateways/gatewayIdentifier/ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway to retrieve.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "authorizerConfiguration": { ... },
   "authorizerType": "string",
   "createdAt": "string",
   "customTransformConfiguration": {
      "lambda": {
         "arn": "string"
      }
   },
   "description": "string",
   "exceptionLevel": "string",
```

```
   "gatewayArn": "string",
   "gatewayId": "string",
   "gatewayUrl": "string",
   "interceptorConfigurations": [
      {
         "inputConfiguration": {
            "passRequestHeaders": boolean,
            "payloadFilter": {
               "exclude": [
                  { ... }
               ]
            }
         },
         "interceptionPoints": [ "string" ],
         "interceptor": { ... }
      }
   ],
   "kmsKeyArn": "string",
   "name": "string",
   "policyEngineConfiguration": {
      "arn": "string",
      "mode": "string"
   },
   "protocolConfiguration": { ... },
   "protocolType": "string",
   "roleArn": "string",
   "status": "string",
   "statusReasons": [ "string" ],
   "updatedAt": "string",
   "wafConfiguration": {
      "failureMode": "string"
   },
   "webAclArn": "string",
   "workloadIdentityDetails": {
      "workloadIdentityArn": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

authorizerConfiguration

The authorizer configuration for the gateway.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

authorizerType

Authorizer type for the gateway.

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM | NONE | AUTHENTICATE_ONLY`

createdAt

The timestamp when the gateway was created.

Type: Timestamp

customTransformConfiguration

The custom transformation configuration for the gateway. This configuration defines how the gateway transforms requests and responses.

Type: CustomTransformConfiguration object

description

The description of the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

exceptionLevel

The level of detail in error messages returned when invoking the gateway.

- If the value is `DEBUG`, granular exception messages are returned to help a user debug the gateway.
- If the value is omitted, a generic error message is returned to the end user.

Type: String

Valid Values: DEBUG

gatewayArn

The Amazon Resource Name (ARN) of the gateway.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}:[0-9]{12}:gateway/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

gatewayUrl

An endpoint for invoking gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

interceptorConfigurations

The interceptors configured on the gateway.

Type: Array of GatewayInterceptorConfiguration objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

kmsKeyArn

The Amazon Resource Name (ARN) of the KMS key used to encrypt the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

name

The name of the gateway.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,48}`

policyEngineConfiguration

The policy engine configuration for the gateway.

Type: GatewayPolicyEngineConfiguration object

protocolConfiguration

The configuration for a gateway protocol. This structure defines how the gateway communicates with external services.

Type: GatewayProtocolConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

protocolType

Protocol applied to a gateway.

Type: String

Valid Values: `MCP`

roleArn

The IAM role ARN that provides permissions for the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

status

The current status of the gateway.

Type: String

Valid Values: `CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED`

statusReasons

The reasons for the current status of the gateway.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

updatedAt

The timestamp when the gateway was last updated.

Type: Timestamp

wafConfiguration

The Amazon WAF configuration for the gateway.

Type: WafConfiguration object

webAclArn

The Amazon Resource Name (ARN) of the Amazon WAF web ACL associated with the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:[a-z0-9\-]+:wafv2:[a-z0-9\-]+:[0-9]{12}:regional/webacl/.+`

workloadIdentityDetails

The workload identity details for the gateway.

Type: WorkloadIdentityDetails object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin

- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetGatewayRateLimit

Retrieves information about a gateway rate limit.

Request Syntax

```
GET /gateways/gatewayIdentifier/rate-limits/rateLimitId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The unique identifier of the gateway.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

rateLimitId

The unique identifier of the rate limit to retrieve.

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9\-_\.]{0,62}[a-zA-Z0-9]`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdAt": "string",
   "description": "string",
```

```
   "dimensionKeys": [ "string" ],
   "entries": [
      {
         "connections": [
            {
               "period": "string",
               "rate": number
            }
         ],
         "dimensions": {
            "string" : "string"
         },
         "requests": [
            {
               "period": "string",
               "rate": number
            }
         ],
         "tokens": [
            {
               "period": "string",
               "rate": number
            }
         ]
      }
   ],
   "gatewayIdentifier": "string",
   "rateLimitId": "string",
   "status": "string",
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the rate limit was created.

Type: Timestamp

description

The human-readable description of the rate limit.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

dimensionKeys

The ordered list of dimension key names that define the scope of this rate limit.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 80.

Pattern: `(targetName|toolName|qualifiedModelId|\$\.context\.iam\.principal|\$\.context\.iam\.sourceIdentity|\$\.context\.jwt\.[a-zA-Z_][a-zA-Z0-9_\-\.]{0,61}[a-zA-Z0-9_])`

entries

The list of rule entries that map dimension values to rate configurations.

Type: Array of LimitEntry objects

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

gatewayIdentifier

The unique identifier of the gateway.

Type: String

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

rateLimitId

The unique identifier of the rate limit.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9\-_\.]{0,62}[a-zA-Z0-9]`

status

The current status of the rate limit.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING`

updatedAt

The timestamp when the rate limit was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetGatewayRule

Retrieves detailed information about a specific gateway rule.

Request Syntax

```
GET /gateways/gatewayIdentifier/rules/ruleId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway containing the rule.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

ruleId

The unique identifier of the rule to retrieve.

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "actions": [
      { ... }
   ],
   "conditions": [
      { ... }
   ],
   "createdAt": "string",
   "description": "string",
   "gatewayArn": "string",
   "priority": number,
   "ruleId": "string",
   "status": "string",
   "system": {
      "managedBy": "string"
   },
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

actions

The actions to take when the rule conditions are met.

Type: Array of Action objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

conditions

The conditions that must be met for the rule to apply.

Type: Array of Condition objects

Array Members: Minimum number of 0 items. Maximum number of 2 items.

createdAt

The timestamp when the rule was created.

Type: Timestamp

description

The description of the gateway rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

gatewayArn

The Amazon Resource Name (ARN) of the gateway that the rule belongs to.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}:[0-9]{12}:gateway/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

priority

The priority of the rule. Rules are evaluated in order of priority, with lower numbers evaluated first.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000000.

ruleId

The unique identifier of the gateway rule.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

status

The current status of the rule.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING`

system

System-managed metadata for rules created by automated processes.

Type: SystemManagedBlock object

updatedAt

The timestamp when the rule was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetGatewayTarget

Retrieves information about a specific gateway target.

Request Syntax

```
GET /gateways/gatewayIdentifier/targets/targetId/ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway that contains the target.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

targetId

The unique identifier of the target to retrieve.

Pattern: `[0-9a-zA-Z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "authorizationData": { ... },
   "createdAt": "string",
   "credentialProviderConfigurations": [
```

```
      {
         "credentialProvider": { ... },
         "credentialProviderType": "string"
      }
   ],
   "description": "string",
   "gatewayArn": "string",
   "lastSynchronizedAt": "string",
   "metadataConfiguration": {
      "allowedQueryParameters": [ "string" ],
      "allowedRequestHeaders": [ "string" ],
      "allowedResponseHeaders": [ "string" ]
   },
   "name": "string",
   "privateEndpoint": { ... },
   "privateEndpointManagedResources": [
      {
         "domain": "string",
         "resourceAssociationArn": "string",
         "resourceGatewayArn": "string"
      }
   ],
   "protocolType": "string",
   "status": "string",
   "statusReasons": [ "string" ],
   "targetConfiguration": { ... },
   "targetId": "string",
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

authorizationData

OAuth2 authorization data for the gateway target. This data is returned when a target is configured with a credential provider with authorization code grant type and requires user federation.

Type: AuthorizationData object

Note: This object is a Union. Only one member of this object can be specified or returned.

createdAt

The timestamp when the gateway target was created.

Type: Timestamp

credentialProviderConfigurations

The credential provider configurations for the gateway target.

Type: Array of CredentialProviderConfiguration objects

Array Members: Fixed number of 1 item.

description

The description of the gateway target.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

gatewayArn

The Amazon Resource Name (ARN) of the gateway.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}:[0-9]{12}:gateway/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

lastSynchronizedAt

The last synchronization of the target.

Type: Timestamp

metadataConfiguration

The metadata configuration for HTTP header and query parameter propagation for the retrieved gateway target.

Type: MetadataConfiguration object

name

The name of the gateway target.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,100}`

privateEndpoint

The private endpoint configuration for the gateway target.

Type: PrivateEndpoint object

Note: This object is a Union. Only one member of this object can be specified or returned.

privateEndpointManagedResources

The managed resources created by the gateway for private endpoint connectivity.

Type: Array of ManagedResourceDetails objects

protocolType

The protocol type of the gateway target.

Type: String

Valid Values: `MCP | HTTP`

status

The current status of the gateway target.

Type: String

Valid Values: `CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED | SYNCHRONIZING | SYNCHRONIZE_UNSUCCESSFUL | CREATE_PENDING_AUTH | UPDATE_PENDING_AUTH | SYNCHRONIZE_PENDING_AUTH`

statusReasons

The reasons for the current status of the gateway target.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

targetConfiguration

The configuration for a gateway target. This structure defines how the gateway connects to and interacts with the target endpoint.

Type: TargetConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

targetId

The unique identifier of the gateway target.

Type: String

Pattern: `[0-9a-zA-Z]{10}`

updatedAt

The timestamp when the gateway target was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetHarness

Operation to get a single harness.

Request Syntax

```
GET /harnesses/harnessId?harnessVersion=harnessVersion HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

harnessId

The ID of the harness to retrieve.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}`

Required: Yes

harnessVersion

Specific version of the harness to retrieve. If omitted, returns the current Harness configuration, including its status.

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "harness": {
      "allowedTools": [ "string" ],
      "arn": "string",
```

```
      "authorizerConfiguration": { ... },
      "createdAt": "string",
      "environment": { ... },
      "environmentArtifact": { ... },
      "environmentVariables": {
         "string" : "string"
      },
      "executionRoleArn": "string",
      "failureReason": "string",
      "harnessId": "string",
      "harnessName": "string",
      "harnessVersion": "string",
      "hooks": [
         { ... }
      ],
      "maxIterations": number,
      "maxTokens": number,
      "memory": { ... },
      "model": { ... },
      "skills": [
         { ... }
      ],
      "status": "string",
      "systemPrompt": [
         { ... }
      ],
      "timeoutSeconds": number,
      "tools": [
         {
            "config": { ... },
            "name": "string",
            "type": "string"
         }
      ],
      "truncation": {
         "config": { ... },
         "strategy": "string"
      },
      "updatedAt": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

harness

The harness resource.

Type: Harness object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetHarnessEndpoint

Operation to get a single harness endpoint.

Request Syntax

```
GET /harnesses/harnessId/endpoints/endpointName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

endpointName

The name of the endpoint to retrieve.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

harnessId

The ID of the harness that the endpoint belongs to.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "endpoint": {
      "arn": "string",
      "createdAt": "string",
```

```
        "description": "string",
        "endpointName": "string",
        "failureReason": "string",
        "harnessId": "string",
        "harnessName": "string",
        "liveVersion": "string",
        "status": "string",
        "targetVersion": "string",
        "updatedAt": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

endpoint

The endpoint resource.

Type: HarnessEndpoint object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetMemory

Retrieve an existing Amazon Bedrock AgentCore Memory resource.

Request Syntax

```
GET /memories/memoryId/details?view=view HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

memoryId

The unique identifier of the memory to retrieve.

Length Constraints: Minimum length of 12.

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

view

The level of detail to return for the memory.

Valid Values: `full | without_decryption`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "memory": {
      "arn": "string",
      "createdAt": number,
      "description": "string",
```

```
      "encryptionKeyArn": "string",
      "eventExpiryDuration": number,
      "failureReason": "string",
      "id": "string",
      "indexedKeys": [
         {
            "key": "string",
            "type": "string"
         }
      ],
      "managedByResourceArn": "string",
      "memoryExecutionRoleArn": "string",
      "name": "string",
      "namespaceKeys": [
         {
            "key": "string",
            "validation": {
               "allowedValues": [ "string" ],
               "regexPattern": "string"
            }
         }
      ],
      "status": "string",
      "strategies": [
         {
            "configuration": {
               "consolidation": { ... },
               "extraction": { ... },
               "reflection": { ... },
               "selfManagedConfiguration": {
                  "historicalContextWindowSize": number,
                  "invocationConfiguration": {
                     "payloadDeliveryBucketName": "string",
                     "topicArn": "string"
                  },
                  "triggerConditions": [
                     { ... }
                  ]
               },
               "type": "string"
            },
            "createdAt": number,
            "description": "string",
            "memoryRecordSchema": {
```

```
            "metadataSchema": [
               {
                  "extractionConfig": { ... },
                  "extractionType": "string",
                  "key": "string",
                  "type": "string"
               }
            ]
         },
         "name": "string",
         "namespaces": [ "string" ],
         "namespaceTemplates": [ "string" ],
         "status": "string",
         "strategyId": "string",
         "type": "string",
         "updatedAt": number
      }
   ],
   "streamDeliveryResources": {
      "resources": [
         { ... }
      ]
   },
   "updatedAt": number
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

memory

The retrieved AgentCore Memory resource details.

Type: Memory object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceException

An internal error occurred.

HTTP Status Code: 500

ThrottledException

API rate limit has been exceeded.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin

- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetOauth2CredentialProvider

Retrieves information about an OAuth2 credential provider.

Request Syntax

```
POST /identities/GetOauth2CredentialProvider HTTP/1.1
Content-type: application/json

{
   "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

name

The name of the OAuth2 credential provider to retrieve.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
    "callbackUrl": "string",
    "clientSecretArn": {
       "secretArn": "string"
    },
    "clientSecretJsonKey": "string",
    "clientSecretSource": "string",
    "createdTime": number,
    "credentialProviderArn": "string",
    "credentialProviderVendor": "string",
    "failureReason": "string",
    "lastUpdatedTime": number,
    "name": "string",
    "oauth2ProviderConfigOutput": { ... },
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

callbackUrl

Callback URL to register on the OAuth2 credential provider as an allowed callback URL. This URL is where the OAuth2 authorization server redirects users after they complete the authorization flow.

Type: String

clientSecretArn

The Amazon Resource Name (ARN) of the client secret in Amazon Secrets Manager.

Type: Secret object

clientSecretJsonKey

The JSON key used to extract the client secret value from the Amazon Secrets Manager secret.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

clientSecretSource

The source type of the client secret. Either `MANAGED` if the secret is managed by the service, or `EXTERNAL` if managed by the user in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED | EXTERNAL`

createdTime

The timestamp when the OAuth2 credential provider was created.

Type: Timestamp

credentialProviderArn

ARN of the credential provider requested.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/oauth2credentialprovider/[a-zA-Z0-9-.]+`

credentialProviderVendor

The vendor of the OAuth2 credential provider.

Type: String

Valid Values: `GoogleOauth2 | GithubOauth2 | SlackOauth2 | SalesforceOauth2 | MicrosoftOauth2 | CustomOauth2 | AtlassianOauth2 | LinkedinOauth2 | XOauth2 | OktaOauth2 | OneLoginOauth2 | PingOneOauth2 | FacebookOauth2 | YandexOauth2 | RedditOauth2 | ZoomOauth2 | TwitchOauth2 | SpotifyOauth2 | DropboxOauth2 | NotionOauth2 | HubspotOauth2 | CyberArkOauth2 | FusionAuthOauth2 | Auth0Oauth2 | CognitoOauth2`

failureReason

The reason for failure if the OAuth2 credential provider is in a failed state.

Type: String

lastUpdatedTime

The timestamp when the OAuth2 credential provider was last updated.

Type: Timestamp

name

The name of the OAuth2 credential provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

oauth2ProviderConfigOutput

The configuration output for the OAuth2 provider.

Type: Oauth2ProviderConfigOutput object

Note: This object is a Union. Only one member of this object can be specified or returned.

status

The current status of the OAuth2 credential provider.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

DecryptionFailure

Exception thrown when decryption of a secret fails.

HTTP Status Code: 400

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetOnlineEvaluationConfig

Retrieves detailed information about an online evaluation configuration, including its rules, data sources, evaluators, and execution status.

Request Syntax

```
GET /online-evaluation-configs/onlineEvaluationConfigId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

onlineEvaluationConfigId

The unique identifier of the online evaluation configuration to retrieve.

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "clusteringConfig": {
      "frequencies": [ "string" ]
   },
   "createdAt": number,
   "dataSourceConfig": { ... },
   "description": "string",
   "evaluationExecutionRoleArn": "string",
   "evaluators": [
```

```
      { ... }
   ],
   "executionStatus": "string",
   "failureReason": "string",
   "insights": [
      {
         "insightId": "string"
      }
   ],
   "onlineEvaluationConfigArn": "string",
   "onlineEvaluationConfigId": "string",
   "onlineEvaluationConfigName": "string",
   "outputConfig": {
      "cloudWatchConfig": {
         "logGroupName": "string",
         "metricsNamespace": "string",
         "resultDestination": "string"
      }
   },
   "rule": {
      "filters": [
         {
            "key": "string",
            "operator": "string",
            "value": { ... }
         }
      ],
      "samplingConfig": {
         "samplingPercentage": number
      },
      "sessionConfig": {
         "sessionTimeoutMinutes": number
      }
   },
   "status": "string",
   "updatedAt": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

clusteringConfig

The clustering configuration for periodic batch evaluation.

Type: ClusteringConfig object

createdAt

The timestamp when the online evaluation configuration was created.

Type: Timestamp

dataSourceConfig

The data source configuration specifying CloudWatch log groups and service names to monitor.

Type: DataSourceConfig object

Note: This object is a Union. Only one member of this object can be specified or returned.

description

The description of the online evaluation configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `.+`

evaluationExecutionRoleArn

The Amazon Resource Name (ARN) of the IAM role used for evaluation execution.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

evaluators

The list of evaluators applied during online evaluation.

Type: Array of EvaluatorReference objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

executionStatus

The execution status indicating whether the online evaluation is currently running.

Type: String

Valid Values: `ENABLED | DISABLED`

failureReason

The reason for failure if the online evaluation configuration execution failed.

Type: String

insights

The list of insight types configured for this evaluation.

Type: Array of Insight objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

onlineEvaluationConfigArn

The Amazon Resource Name (ARN) of the online evaluation configuration.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:online-evaluation-config\/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

onlineEvaluationConfigId

The unique identifier of the online evaluation configuration.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

onlineEvaluationConfigName

The name of the online evaluation configuration.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

outputConfig

The output configuration specifying where evaluation results are written.

Type: OutputConfig object

rule

The evaluation rule containing sampling configuration, filters, and session settings.

Type: Rule object

status

The status of the online evaluation configuration.

Type: String

Valid Values: `ACTIVE | CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | DELETING | ERROR`

updatedAt

The timestamp when the online evaluation configuration was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetPaymentConnector

Retrieves information about a specific payment connector.

Request Syntax

```
GET /payments/managers/paymentManagerId/connectors/paymentConnectorId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

paymentConnectorId

The unique identifier of the payment connector to retrieve.

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z_][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

paymentManagerId

The unique identifier of the parent payment manager.

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "authorizationUrl": "string",
   "createdAt": "string",
   "credentialProviderConfigurations": [
      { ... }
   ],
   "credentialsUpdatedAt": "string",
   "description": "string",
   "lastUpdatedAt": "string",
   "name": "string",
   "paymentConnectorId": "string",
   "provisionMode": "string",
   "status": "string",
   "type": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

authorizationUrl

The URL that the user must open to complete OAuth consent. This field is only present when the payment connector status is `PENDING_AUTHENTICATION`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: `https://[^\p{C}]*`

createdAt

The timestamp when the payment connector was created.

Type: Timestamp

credentialProviderConfigurations

The credential provider configurations for the payment connector.

Type: Array of CredentialsProviderConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 1 item.

credentialsUpdatedAt

The timestamp when the payment connector's current service-managed credentials took effect. It is first set when the credentials are provisioned and is updated by each rotation. This field is present only for payment connectors with a `provisionMode` of `QUICK_CREATE`.

Type: Timestamp

description

The description of the payment connector.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: `[^\p{C}]*`

lastUpdatedAt

The timestamp when the payment connector was last updated.

Type: Timestamp

name

The name of the payment connector.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

paymentConnectorId

The unique identifier of the payment connector.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z_][-]?){1,100}-[0-9a-z]{10}`

provisionMode

Specifies how the payment connector was provisioned. Payment connectors that were created before this field was available return `MANUAL`.

- `MANUAL` - You provided the credential provider configurations, so you own the credentials. Rotate them with the payment provider, then call `UpdatePaymentCredentialProvider`.
- `QUICK_CREATE` - AgentCore provisioned the credential provider for you, so the credentials are service-managed. You can rotate them with `RotatePaymentConnectorCredentials`.

Type: String

Valid Values: `MANUAL | QUICK_CREATE`

status

The current status of the payment connector. Possible values include `CREATING`, `READY`, `UPDATING`, `DELETING`, `CREATE_FAILED`, `UPDATE_FAILED`, and `DELETE_FAILED`.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | READY | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED | AWS_MARKETPLACE_SUBSCRIPTION_REQUIRED | PENDING_AUTHENTICATION | PROVISIONING | AUTHENTICATION_EXPIRED | AUTHENTICATION_FAILED`

type

The type of the payment connector, which determines the payment provider integration.

Type: String

Valid Values: `CoinbaseCDP | StripePrivy`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetPaymentCredentialProvider

Retrieves information about a specific payment credential provider.

Request Syntax

```
POST /identities/GetPaymentCredentialProvider HTTP/1.1
Content-type: application/json

{
   "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

name

The name of the payment credential provider to retrieve.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdTime": number,
```

```
    "credentialProviderArn": "string",
    "credentialProviderVendor": "string",
    "lastUpdatedTime": number,
    "name": "string",
    "providerConfigurationOutput": { ... },
    "tags": {
       "string" : "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdTime

The timestamp when the payment credential provider was created.

Type: Timestamp

credentialProviderArn

The Amazon Resource Name (ARN) of the payment credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/paymentcredentialprovider/[a-zA-Z0-9-.]+`

credentialProviderVendor

The vendor type for the payment credential provider.

Type: String

Valid Values: `CoinbaseCDP | StripePrivy`

lastUpdatedTime

The timestamp when the payment credential provider was last updated.

Type: Timestamp

name

The name of the payment credential provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

providerConfigurationOutput

Output configuration (contains secret ARNs, excludes actual secret values).

Type: PaymentProviderConfigurationOutput object

Note: This object is a Union. Only one member of this object can be specified or returned.

tags

The tags associated with the payment credential provider.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

DecryptionFailure

Exception thrown when decryption of a secret fails.

HTTP Status Code: 400

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++

- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetPaymentManager

Retrieves information about a specific payment manager.

Request Syntax

```
GET /payments/managers/paymentManagerId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

paymentManagerId

The unique identifier of the payment manager to retrieve.

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "authorizerConfiguration": { ... },
   "authorizerType": "string",
   "createdAt": "string",
   "description": "string",
   "kmsKeyArn": "string",
   "lastUpdatedAt": "string",
   "name": "string",
   "paymentManagerArn": "string",
   "paymentManagerId": "string",
```

```
    "roleArn": "string",
    "status": "string",
    "tags": {
       "string" : "string"
    },
    "workloadIdentityDetails": {
       "workloadIdentityArn": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

authorizerConfiguration

Represents inbound authorization configuration options used to authenticate incoming requests.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

authorizerType

The type of authorizer used by the payment manager.

- `CUSTOM_JWT` - Authorize with a bearer token.
- `AWS_IAM` - Authorize with your Amazon IAM credentials.

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM`

createdAt

The timestamp when the payment manager was created.

Type: Timestamp

description

The description of the payment manager.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: `[^\p{C}]*`

kmsKeyArn

The Amazon Resource Name (ARN) of the Amazon KMS key used to encrypt sensitive payment manager data at rest, if configured.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

lastUpdatedAt

The timestamp when the payment manager was last updated.

Type: Timestamp

name

The name of the payment manager.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9]{0,47}`

paymentManagerArn

The Amazon Resource Name (ARN) of the payment manager.

Type: String

Length Constraints: Minimum length of 66. Maximum length of 2048.

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:payment-manager/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

paymentManagerId

The unique identifier of the payment manager.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

roleArn

The Amazon Resource Name (ARN) of the IAM role associated with the payment manager.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

status

The current status of the payment manager. Possible values include `CREATING`, `READY`, `UPDATING`, `DELETING`, `CREATE_FAILED`, `UPDATE_FAILED`, and `DELETE_FAILED`.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | READY | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

tags

The tags associated with the payment manager.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

workloadIdentityDetails

The information about the workload identity.

Type: WorkloadIdentityDetails object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetPolicy

Retrieves detailed information about a specific policy within the AgentCore Policy system. This operation returns the complete policy definition, metadata, and current status, allowing administrators to review and manage policy configurations.

Request Syntax

```
GET /policy-engines/policyEngineId/policies/policyId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

policyEngineId

The identifier of the policy engine that manages the policy to be retrieved.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

policyId

The unique identifier of the policy to be retrieved. This must be a valid policy ID that exists within the specified policy engine.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "createdAt": "string",
   "definition": { ... },
   "description": "string",
   "enforcementMode": "string",
   "name": "string",
   "policyArn": "string",
   "policyEngineId": "string",
   "policyId": "string",
   "status": "string",
   "statusReasons": [ "string" ],
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the policy was originally created.

Type: Timestamp

definition

The Cedar or Dogwood policy statement that defines the access control rules. This contains the actual policy logic used for agent behavior control and access decisions.

Type: PolicyDefinition object

Note: This object is a Union. Only one member of this object can be specified or returned.

description

The human-readable description of the policy's purpose and functionality. This helps administrators understand and manage the policy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

enforcementMode

The current enforcement mode of the policy.

Type: String

Valid Values: `ACTIVE | LOG_ONLY`

name

The customer-assigned name of the policy. This is the human-readable identifier that was specified when the policy was created.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

policyArn

The Amazon Resource Name (ARN) of the policy. This globally unique identifier can be used for cross-service references and IAM policy statements.

Type: String

Length Constraints: Minimum length of 96. Maximum length of 203.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}/policy/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

policyEngineId

The identifier of the policy engine that manages this policy. This confirms the policy engine context for the retrieved policy.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

policyId

The unique identifier of the retrieved policy. This matches the policy ID provided in the request and serves as the system identifier for the policy.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

status

The current status of the policy.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

statusReasons

Additional information about the policy status. This provides details about any failures or the current state of the policy.

Type: Array of strings

updatedAt

The timestamp when the policy was last modified. This tracks the most recent changes to the policy configuration.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetPolicyEngine

Retrieves detailed information about a specific policy engine within the AgentCore Policy system. This operation returns the complete policy engine configuration, metadata, and current status, allowing administrators to review and manage policy engine settings.

Request Syntax

```
GET /policy-engines/policyEngineId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

policyEngineId

The unique identifier of the policy engine to be retrieved. This must be a valid policy engine ID that exists within the account.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdAt": "string",
   "description": "string",
   "encryptionKeyArn": "string",
   "name": "string",
   "policyEngineArn": "string",
```

```
    "policyEngineId": "string",
    "status": "string",
    "statusReasons": [ "string" ],
    "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the policy engine was originally created.

Type: Timestamp

description

The human-readable description of the policy engine's purpose and scope. This helps administrators understand the policy engine's role in governance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

encryptionKeyArn

The Amazon Resource Name (ARN) of the Amazon KMS key used to encrypt the policy engine data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

name

The customer-assigned name of the policy engine. This is the human-readable identifier that was specified when the policy engine was created.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

policyEngineArn

The Amazon Resource Name (ARN) of the policy engine. This globally unique identifier can be used for cross-service references and IAM policy statements.

Type: String

Length Constraints: Minimum length of 76. Maximum length of 136.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

policyEngineId

The unique identifier of the retrieved policy engine. This matches the policy engine ID provided in the request and serves as the system identifier.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

status

The current status of the policy engine.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

statusReasons

Additional information about the policy engine status. This provides details about any failures or the current state of the policy engine.

Type: Array of strings

updatedAt

The timestamp when the policy engine was last modified. This tracks the most recent changes to the policy engine configuration.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4

- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetPolicyEngineSummary

Retrieves a metadata-only summary of a specific policy engine without decrypting customer content. This lightweight read operation returns resource identifiers, status, timestamps, and the encryption key ARN, but does not include the description or status reasons. Because this operation does not require access to the customer's Amazon KMS key, it is suitable for resource discovery, inventory, and integration scenarios where only metadata is needed.

Request Syntax

```
GET /policy-engine-summaries/policyEngineId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

policyEngineId

The unique identifier of the policy engine to retrieve the summary for. This must be a valid policy engine ID that exists within the account.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdAt": "string",
   "encryptionKeyArn": "string",
```

```
    "name": "string",
    "policyEngineArn": "string",
    "policyEngineId": "string",
    "status": "string",
    "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the policy engine was originally created.

Type: Timestamp

encryptionKeyArn

The Amazon Resource Name (ARN) of the Amazon KMS key used to encrypt the policy engine data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

name

The customer-assigned name of the policy engine.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

policyEngineArn

The Amazon Resource Name (ARN) of the policy engine.

Type: String

Length Constraints: Minimum length of 76. Maximum length of 136.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

policyEngineId

The unique identifier of the policy engine.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

status

The current status of the policy engine.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

updatedAt

The timestamp when the policy engine was last modified.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetPolicyGeneration

Retrieves information about a policy generation request within the AgentCore Policy system. Policy generation converts natural language descriptions into Dogwood policy statements using AI-powered translation, enabling non-technical users to create policies.

Request Syntax

```
GET /policy-engines/policyEngineId/policy-generations/policyGenerationId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

policyEngineId

The identifier of the policy engine associated with the policy generation request. This provides the context for the generation operation and schema validation.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

policyGenerationId

The unique identifier of the policy generation request to be retrieved. This must be a valid generation ID from a previous StartPolicyGeneration call.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdAt": "string",
   "findings": "string",
   "name": "string",
   "policyEngineId": "string",
   "policyGenerationArn": "string",
   "policyGenerationId": "string",
   "resource": { ... },
   "status": "string",
   "statusReasons": [ "string" ],
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the policy generation request was created. This is used for tracking and auditing generation operations and their lifecycle.

Type: Timestamp

findings

The findings and results from the policy generation process. This includes any issues, recommendations, validation results, or insights from the generated policies.

Type: String

name

The customer-assigned name for the policy generation request. This helps identify and track generation operations across multiple requests.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

policyEngineId

The identifier of the policy engine associated with this policy generation. This confirms the policy engine context for the generation operation.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

policyGenerationArn

The Amazon Resource Name (ARN) of the policy generation. This globally unique identifier can be used for tracking, auditing, and cross-service references.

Type: String

Length Constraints: Minimum length of 103. Maximum length of 210.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}/policy-generation/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

policyGenerationId

The unique identifier of the policy generation request. This matches the generation ID provided in the request and serves as the tracking identifier.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

resource

The resource information associated with the policy generation. This provides context about the target resources for which the policies are being generated.

Type: Resource object

Note: This object is a Union. Only one member of this object can be specified or returned.

status

The current status of the policy generation. This indicates whether the generation is in progress, completed successfully, or failed during processing.

Type: String

Valid Values: `GENERATING | GENERATED | GENERATE_FAILED | DELETE_FAILED`

statusReasons

Additional information about the generation status. This provides details about any failures, warnings, or the current state of the generation process.

Type: Array of strings

updatedAt

The timestamp when the policy generation was last updated. This tracks the progress of the generation process and any status changes.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetPolicyGenerationSummary

Retrieves a metadata-only summary of a specific policy generation request without decrypting customer content. This lightweight read operation returns resource identifiers, status, timestamps, and findings, but does not include status reasons. Because this operation does not require access to the customer's Amazon KMS key, it is suitable for resource discovery, inventory, and integration scenarios where only metadata is needed.

Request Syntax

```
GET /policy-engines/policyEngineId/policy-generation-summaries/policyGenerationId
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

policyEngineId

The identifier of the policy engine associated with the policy generation request.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

policyGenerationId

The unique identifier of the policy generation request to retrieve the summary for.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdAt": "string",
   "findings": "string",
   "name": "string",
   "policyEngineId": "string",
   "policyGenerationArn": "string",
   "policyGenerationId": "string",
   "resource": { ... },
   "status": "string",
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the policy generation request was created.

Type: Timestamp

findings

The findings from the policy generation process, if available.

Type: String

name

The customer-assigned name for the policy generation request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

policyEngineId

The identifier of the policy engine associated with this policy generation.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

policyGenerationArn

The Amazon Resource Name (ARN) of the policy generation request.

Type: String

Length Constraints: Minimum length of 103. Maximum length of 210.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}/policy-generation/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

policyGenerationId

The unique identifier of the policy generation request.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

resource

The resource information associated with the policy generation.

Type: Resource object

Note: This object is a Union. Only one member of this object can be specified or returned.

status

The current status of the policy generation request.

Type: String

Valid Values: `GENERATING | GENERATED | GENERATE_FAILED | DELETE_FAILED`

updatedAt

The timestamp when the policy generation was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetPolicySummary

Retrieves a metadata-only summary of a specific policy without decrypting customer content. This lightweight read operation returns resource identifiers, status, and timestamps, but does not include the policy definition, description, or status reasons. Because this operation does not require access to the customer's Amazon KMS key, it is suitable for resource discovery, inventory, and integration scenarios where only metadata is needed.

Request Syntax

```
GET /policy-engines/policyEngineId/policy-summaries/policyId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

policyEngineId

The identifier of the policy engine that manages the policy to retrieve the summary for.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

policyId

The unique identifier of the policy to retrieve the summary for. This must be a valid policy ID that exists within the specified policy engine.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdAt": "string",
   "enforcementMode": "string",
   "name": "string",
   "policyArn": "string",
   "policyEngineId": "string",
   "policyId": "string",
   "status": "string",
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the policy was originally created.

Type: Timestamp

enforcementMode

The current enforcement mode of the policy.

Type: String

Valid Values: `ACTIVE | LOG_ONLY`

name

The customer-assigned name of the policy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

policyArn

The Amazon Resource Name (ARN) of the policy.

Type: String

Length Constraints: Minimum length of 96. Maximum length of 203.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}/policy/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

policyEngineId

The identifier of the policy engine that manages this policy.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

policyId

The unique identifier of the policy.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

status

The current status of the policy.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

updatedAt

The timestamp when the policy was last modified.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4

- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetRegistry

Retrieves information about a specific registry.

Request Syntax

```
GET /registries/registryId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

registryId

The identifier of the registry to retrieve. You can specify either the Amazon Resource Name (ARN) or the ID of the registry.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "approvalConfiguration": {
      "autoApproval": boolean
   },
   "authorizerConfiguration": { ... },
   "authorizerType": "string",
```

```
    "createdAt": "string",
    "description": "string",
    "name": "string",
    "registryArn": "string",
    "registryId": "string",
    "status": "string",
    "statusReason": "string",
    "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

approvalConfiguration

The approval configuration for registry records. For details, see the `ApprovalConfiguration` data type.

Type: ApprovalConfiguration object

authorizerConfiguration

The authorizer configuration for the registry. For details, see the `AuthorizerConfiguration` data type.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

authorizerType

The type of authorizer used by the registry. This controls the authorization method for the Search and Invoke APIs used by consumers.

- `CUSTOM_JWT` - Authorize with a bearer token.
- `AWS_IAM` - Authorize with your Amazon IAM credentials.

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM`

createdAt

The timestamp when the registry was created.

Type: Timestamp

description

The description of the registry.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

name

The name of the registry.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

registryArn

The Amazon Resource Name (ARN) of the registry.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

registryId

The unique identifier of the registry.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 16.

Pattern: `[a-zA-Z0-9]{12,16}`

status

The current status of the registry. Possible values include `CREATING`, `READY`, `UPDATING`, `CREATE_FAILED`, `UPDATE_FAILED`, `DELETING`, and `DELETE_FAILED`.

Type: String

Valid Values: `CREATING | READY | UPDATING | CREATE_FAILED | UPDATE_FAILED | DELETING | DELETE_FAILED`

statusReason

The reason for the current status, typically set when the status is a failure state.

Type: String

updatedAt

The timestamp when the registry was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetRegistryRecord

Retrieves information about a specific registry record.

Request Syntax

```
GET /registries/registryId/records/recordId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

recordId

The identifier of the registry record to retrieve. You can specify either the Amazon Resource Name (ARN) or the ID of the record.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/)?[a-zA-Z0-9]{12}`

Required: Yes

registryId

The identifier of the registry containing the record. You can specify either the Amazon Resource Name (ARN) or the ID of the registry.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdAt": "string",
   "description": "string",
   "descriptors": {
      "a2a": {
         "agentCard": {
            "inlineContent": "string",
            "schemaVersion": "string"
         }
      },
      "agentSkills": {
         "skillDefinition": {
            "inlineContent": "string",
            "schemaVersion": "string"
         },
         "skillMd": {
            "inlineContent": "string"
         }
      },
      "custom": {
         "inlineContent": "string"
      },
      "mcp": {
         "server": {
            "inlineContent": "string",
            "schemaVersion": "string"
         },
         "tools": {
            "inlineContent": "string",
            "protocolVersion": "string"
         }
      }
   },
   "descriptorType": "string",
   "name": "string",
   "recordArn": "string",
   "recordId": "string",
   "recordVersion": "string",
```

```
   "registryArn": "string",
   "status": "string",
   "statusReason": "string",
   "synchronizationConfiguration": {
      "fromUrl": {
         "credentialProviderConfigurations": [
            {
               "credentialProvider": { ... },
               "credentialProviderType": "string"
            }
         ],
         "url": "string"
      }
   },
   "synchronizationType": "string",
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the registry record was created.

Type: Timestamp

description

The description of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

descriptors

The descriptor-type-specific configuration containing the resource schema and metadata. For details, see the `Descriptors` data type.

Type: Descriptors object

descriptorType

The descriptor type of the registry record. Possible values are `MCP`, `A2A`, `CUSTOM`, and `AGENT_SKILLS`.

Type: String

Valid Values: `MCP | A2A | CUSTOM | AGENT_SKILLS`

name

The name of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

recordArn

The Amazon Resource Name (ARN) of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/[a-zA-Z0-9]{12}`

recordId

The unique identifier of the registry record.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[a-zA-Z0-9]{12}`

recordVersion

The version of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9.-]+`

registryArn

The Amazon Resource Name (ARN) of the registry that contains the record.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

status

The current status of the registry record. Possible values include `CREATING`, `DRAFT`, `APPROVED`, `PENDING_APPROVAL`, `REJECTED`, `DEPRECATED`, `UPDATING`, `CREATE_FAILED`, and `UPDATE_FAILED`. A record transitions from `CREATING` to `DRAFT`, then to `PENDING_APPROVAL` (via `SubmitRegistryRecordForApproval`), and finally to `APPROVED` upon approval.

Type: String

Valid Values: `DRAFT | PENDING_APPROVAL | APPROVED | REJECTED | DEPRECATED | CREATING | UPDATING | CREATE_FAILED | UPDATE_FAILED`

statusReason

The reason for the current status, typically set when the status is a failure state.

Type: String

synchronizationConfiguration

The configuration for synchronizing registry record metadata from an external source.

Type: SynchronizationConfiguration object

synchronizationType

The type of synchronization used for this record.

Type: String

Valid Values: URL

updatedAt

The timestamp when the registry record was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetResourcePolicy

Retrieves the resource-based policy for a specified resource.

> **Note**
>
> This feature is currently available only for AgentCore Runtime and Gateway.

Request Syntax

```
GET /resourcepolicy/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource for which to retrieve the resource policy.

Length Constraints: Minimum length of 20. Maximum length of 1011.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "policy": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

policy

The resource policy associated with the specified resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20480.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetTokenVault

Retrieves information about a token vault.

Request Syntax

```
POST /identities/get-token-vault HTTP/1.1
Content-type: application/json

{
   "tokenVaultId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

tokenVaultId

The unique identifier of the token vault to retrieve.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9\-_]+`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "kmsConfiguration": {
```

```
        "keyType": "string",
        "kmsKeyArn": "string"
    },
    "lastModifiedDate": number,
    "tokenVaultId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

kmsConfiguration

The KMS configuration for the token vault.

Type: KmsConfiguration object

lastModifiedDate

The timestamp when the token vault was last modified.

Type: Timestamp

tokenVaultId

The ID of the token vault.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9\-_]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

GetWorkloadIdentity

Retrieves information about a workload identity.

Request Syntax

```
POST /identities/GetWorkloadIdentity HTTP/1.1
Content-type: application/json

{
   "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

name

The name of the workload identity to retrieve.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 255.

Pattern: `[A-Za-z0-9_.-]+`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "allowedResourceOauth2ReturnUrls": [ "string" ],
   "createdTime": number,
```

```
    "lastUpdatedTime": number,
    "name": "string",
    "workloadIdentityArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

allowedResourceOauth2ReturnUrls

The list of allowed OAuth2 return URLs for resources associated with this workload identity.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\w+:(\/?\/?)[^\s]+`

createdTime

The timestamp when the workload identity was created.

Type: Timestamp

lastUpdatedTime

The timestamp when the workload identity was last updated.

Type: Timestamp

name

The name of the workload identity.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 255.

Pattern: `[A-Za-z0-9_.-]+`

workloadIdentityArn

The Amazon Resource Name (ARN) of the workload identity.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListAgentRuntimeEndpoints

Lists all endpoints for a specific Amazon Secure Agent.

Request Syntax

```
POST /runtimes/agentRuntimeId/runtime-endpoints/?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime to list endpoints for.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

maxResults

The maximum number of results to return in the response.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

A token to retrieve the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "nextToken": "string",
   "runtimeEndpoints": [
      {
         "agentRuntimeArn": "string",
         "agentRuntimeEndpointArn": "string",
         "createdAt": "string",
         "description": "string",
         "id": "string",
         "lastUpdatedAt": "string",
         "liveVersion": "string",
         "name": "string",
         "status": "string",
         "targetVersion": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

A token to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

runtimeEndpoints

The list of AgentCore Runtime endpoints.

Type: Array of AgentRuntimeEndpoint objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListAgentRuntimes

Lists all Amazon Secure Agents in your account.

Request Syntax

```
POST /runtimes/?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return in the response.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

A token to retrieve the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "agentRuntimes": [
      {
         "agentRuntimeArn": "string",
         "agentRuntimeId": "string",
         "agentRuntimeName": "string",
```

```
            "agentRuntimeVersion": "string",
            "description": "string",
            "lastUpdatedAt": "string",
            "status": "string"
        }
    ],
    "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

agentRuntimes

The list of AgentCore Runtime resources.

Type: Array of AgentRuntime objects

nextToken

A token to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListAgentRuntimeVersions

Lists all versions of a specific Amazon Secure Agent.

Request Syntax

```
POST /runtimes/agentRuntimeId/versions/?maxResults=maxResults&nextToken=nextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime to list versions for.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

maxResults

The maximum number of results to return in the response.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

A token to retrieve the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "agentRuntimes": [
      {
         "agentRuntimeArn": "string",
         "agentRuntimeId": "string",
         "agentRuntimeName": "string",
         "agentRuntimeVersion": "string",
         "description": "string",
         "lastUpdatedAt": "string",
         "status": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

agentRuntimes

The list of AgentCore Runtime versions.

Type: Array of AgentRuntime objects

nextToken

A token to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin

- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListAgentRuntimeVersionsByCapacityProvider

Lists the agent runtime versions that are associated with a capacity provider. Use this operation to identify the runtimes you must disassociate before you can delete the capacity provider. Results are paginated; use the `nextToken` parameter to retrieve additional results.

Request Syntax

```
POST /capacity-providers/capacityProviderId/runtime-versions?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

capacityProviderId

The unique identifier of the capacity provider.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

Required: Yes

maxResults

The maximum number of results to return in the response. If the total number of results is greater than this value, use the token returned in the response in the `nextToken` field when making another request to return the next batch of results.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, enter the token returned in the `nextToken` field in the response in this field to return the next batch of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "agentRuntimes": [
      {
         "agentRuntimeArn": "string",
         "agentRuntimeVersion": "string",
         "status": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

agentRuntimes

The list of agent runtime versions that are associated with the capacity provider.

Type: Array of AgentRuntimeVersionSummary objects

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, use this token when making another request in the `nextToken` field to return the next batch of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3

- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListApiKeyCredentialProviders

Lists all API key credential providers in your account.

Request Syntax

```
POST /identities/ListApiKeyCredentialProviders HTTP/1.1
Content-type: application/json

{
   "maxResults": number,
   "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults

Maximum number of results to return.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

Pagination token.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "credentialProviders": [
      {
         "createdTime": number,
         "credentialProviderArn": "string",
         "lastUpdatedTime": number,
         "name": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

credentialProviders

The list of API key credential providers.

Type: Array of ApiKeyCredentialProviderItem objects

nextToken

Pagination token for the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)

- Amazon SDK for Ruby V3

ListBrowserProfiles

Lists all browser profiles in your account.

Request Syntax

```
POST /browser-profiles?maxResults=maxResults&nextToken=nextToken HTTP/1.1
Content-type: application/json

{
   "name": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return in the response.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

A token to retrieve the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Request Body

The request accepts the following data in JSON format.

name

The name of the browser profile to filter results by.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "profileSummaries": [
      {
         "createdAt": "string",
         "description": "string",
         "lastSavedAt": "string",
         "lastSavedBrowserId": "string",
         "lastSavedBrowserSessionId": "string",
         "lastUpdatedAt": "string",
         "name": "string",
         "profileArn": "string",
         "profileId": "string",
         "status": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

A token to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

profileSummaries

The list of browser profile summaries.

Type: Array of BrowserProfileSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++

- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListBrowsers

Lists all custom browsers in your account.

Request Syntax

```
POST /browsers?maxResults=maxResults&nextToken=nextToken&type=type HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return in a single call. The default value is 10. The maximum value is 50.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

type

The type of browsers to list. If not specified, all browser types are returned.

Valid Values: `SYSTEM | CUSTOM`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "browserSummaries": [
      {
         "browserArn": "string",
         "browserId": "string",
         "createdAt": "string",
         "description": "string",
         "lastUpdatedAt": "string",
         "name": "string",
         "status": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

browserSummaries

The list of browser summaries.

Type: Array of BrowserSummary objects

nextToken

A token to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListCapacityProviders

Lists the capacity providers in your account and returns summary information for each one. To retrieve the full configuration for a specific capacity provider, use `GetCapacityProvider`. Results are paginated; use the `nextToken` parameter to retrieve additional results.

Request Syntax

```
POST /capacity-providers?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return in the response. If the total number of results is greater than this value, use the token returned in the response in the `nextToken` field when making another request to return the next batch of results.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, enter the token returned in the `nextToken` field in the response in this field to return the next batch of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "capacityProviders": [
      {
         "capacityProviderArn": "string",
         "capacityProviderId": "string",
         "lastUpdatedAt": number,
         "name": "string",
         "status": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

capacityProviders

The list of capacity provider summaries.

Type: Array of CapacityProviderSummary objects

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, use this token when making another request in the `nextToken` field to return the next batch of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListCodeInterpreters

Lists all custom code interpreters in your account.

Request Syntax

```
POST /code-interpreters?maxResults=maxResults&nextToken=nextToken&type=type HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return in the response.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

A token to retrieve the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

type

The type of code interpreters to list.

Valid Values: SYSTEM | CUSTOM

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
   "codeInterpreterSummaries": [
      {
         "codeInterpreterArn": "string",
         "codeInterpreterId": "string",
         "createdAt": "string",
         "description": "string",
         "lastUpdatedAt": "string",
         "name": "string",
         "status": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

codeInterpreterSummaries

The list of code interpreter summaries.

Type: Array of CodeInterpreterSummary objects

nextToken

A token to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListConfigurationBundles

Lists all configuration bundles in the account.

Request Syntax

```
POST /configuration-bundles?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return in the response. If the total number of results is greater than this value, use the token returned in the response in the `nextToken` field when making another request to return the next batch of results.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, enter the token returned in the `nextToken` field in the response in this field to return the next batch of results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "bundles": [
      {
         "bundleArn": "string",
         "bundleId": "string",
```

```
            "bundleName": "string",
            "createdAt": number,
            "description": "string"
        }
    ],
    "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

bundles

The list of configuration bundle summaries.

Type: Array of ConfigurationBundleSummary objects

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, use this token when making another request in the `nextToken` field to return the next batch of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListConfigurationBundleVersions

Lists all versions of a configuration bundle, with optional filtering by branch name or creation source.

Request Syntax

```
POST /configuration-bundles/bundleId/versions?maxResults=maxResults&nextToken=nextToken
 HTTP/1.1
Content-type: application/json

{
   "filter": {
      "branchName": "string",
      "createdByName": "string",
      "latestPerBranch": boolean
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

bundleId

The unique identifier of the configuration bundle to list versions for.

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

maxResults

The maximum number of results to return in the response. If the total number of results is greater than this value, use the token returned in the response in the `nextToken` field when making another request to return the next batch of results.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, enter the token returned in the `nextToken` field in the response in this field to return the next batch of results.

Request Body

The request accepts the following data in JSON format.

filter

An optional filter for listing versions, including branch name, creation source, and whether to return only the latest version per branch.

Type: VersionFilter object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "versions": [
      {
         "bundleArn": "string",
         "bundleId": "string",
         "lineageMetadata": {
            "branchName": "string",
            "commitMessage": "string",
            "createdBy": {
               "arn": "string",
               "name": "string"
            },
            "parentVersionIds": [ "string" ]
         },
         "versionCreatedAt": number,
         "versionId": "string"
```

```
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, use this token when making another request in the `nextToken` field to return the next batch of results.

Type: String

versions

The list of configuration bundle version summaries.

Type: Array of ConfigurationBundleVersionSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListConsentPortals

Lists all of the consent portals in your account.

Request Syntax

```
POST /identities/ListConsentPortals HTTP/1.1
Content-type: application/json

{
   "maxResults": number,
   "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults

The maximum number of consent portals to return in a single call.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

A token to retrieve the next page of results. Use the value returned in a previous response to request the next page.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "consentPortals": [
      {
         "consentPortalArn": "string",
         "consentPortalId": "string",
         "createdAt": number,
         "description": "string",
         "name": "string",
         "portalUrl": "string",
         "sources": [
            {
               "identifier": "string",
               "type": "string"
            }
         ],
         "status": "string",
         "updatedAt": number
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

consentPortals

The list of consent portals.

Type: Array of ConsentPortalSummary objects

nextToken

The token to use in a subsequent request to retrieve the next page of results. This value is null when there are no more results to return.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2

- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListDatasetExamples

Returns paginated examples from the dataset. The server embeds the resolved version in the pagination token. Once pagination begins, all subsequent pages are pinned to that version regardless of concurrent mutations.

Request Syntax

```
GET /datasets/datasetId/examples?
datasetVersion=datasetVersion&maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

datasetId

The unique identifier of the dataset.

Pattern: `[a-zA-Z0-9_-]{1,110}`

Required: Yes

datasetVersion

Version to paginate: "DRAFT" or a version number. Defaults to DRAFT if absent. Only used on the first request; for subsequent pages, the version is extracted from the pagination token.

Pattern: `(DRAFT|[0-9]+)`

maxResults

Maximum number of examples to return per page.

Valid Range: Minimum value of 1. Maximum value of 1000.

nextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "datasetArn": "string",
   "datasetId": "string",
   "datasetVersion": "string",
   "examples": [ JSON value ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

datasetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

Pattern: `arn:aws(-[a-z]+)*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:dataset/[a-zA-Z0-9_-]{1,110}`

datasetId

The unique identifier of the dataset.

Type: String

Pattern: `[a-zA-Z0-9_-]{1,110}`

datasetVersion

The version returned.

Type: String

Pattern: `(DRAFT|[0-9]+)`

examples

Paginated example content. Each element is a JSON object containing at least an `exampleId` field plus the schema-specific content fields.

Type: Array of JSON values

nextToken

The token for the next page of results, or null if there are no more results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListDatasets

Lists all datasets in the caller's account, paginated.

Request Syntax

```
GET /datasets?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of datasets to return per page.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "datasets": [
      {
         "createdAt": number,
         "datasetArn": "string",
         "datasetId": "string",
         "datasetName": "string",
         "description": "string",
```

```
            "draftStatus": "string",
            "exampleCount": number,
            "schemaType": "string",
            "status": "string",
            "updatedAt": number
        }
    ],
    "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

datasets

The list of datasets.

Type: Array of DatasetSummary objects

nextToken

The token for the next page of results, or null if there are no more results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListDatasetVersions

Lists all published versions of a dataset, sorted by version number descending (newest first). Does not include the DRAFT working copy.

Request Syntax

```
GET /datasets/datasetId/versions?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

datasetId

The unique identifier of the dataset.

Pattern: `[a-zA-Z0-9_-]{1,110}`

Required: Yes

maxResults

The maximum number of versions to return per page.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next page of results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
   "nextToken": "string",
   "versions": [
      {
         "createdAt": number,
         "datasetVersion": "string",
         "exampleCount": number
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

The token for the next page of results, or null if there are no more results.

Type: String

versions

The list of published dataset versions.

Type: Array of DatasetVersionSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListEvaluators

Lists all available evaluators, including both builtin evaluators provided by the service and custom evaluators created by the user.

Request Syntax

```
POST /evaluators?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of evaluators to return in a single response.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The pagination token from a previous request to retrieve the next page of results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "evaluators": [
      {
         "createdAt": number,
         "description": "string",
         "evaluatorArn": "string",
         "evaluatorId": "string",
         "evaluatorName": "string",
```

```
            "evaluatorType": "string",
            "kmsKeyArn": "string",
            "level": "string",
            "lockedForModification": boolean,
            "provider": "string",
            "status": "string",
            "updatedAt": number
        }
    ],
    "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

evaluators

The list of evaluator summaries containing basic information about each evaluator.

Type: Array of EvaluatorSummary objects

nextToken

The pagination token to use in a subsequent request to retrieve the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListGatewayRateLimits

Lists all rate limits for a gateway. Results are paginated. Use the `nextToken` parameter to retrieve additional results.

Request Syntax

```
GET /gateways/gatewayIdentifier/rate-limits?maxResults=maxResults&nextToken=nextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The unique identifier of the gateway.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

maxResults

The maximum number of results to return in the response. If the total number of results is greater than this value, use the token returned in the response in the `nextToken` field when making another request to return the next batch of results.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token to use to retrieve the next page of results. Use the value returned in a previous `ListGatewayRateLimits` response.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "rateLimits": [
      {
         "createdAt": "string",
         "description": "string",
         "dimensionKeys": [ "string" ],
         "entries": [
            {
               "connections": [
                  {
                     "period": "string",
                     "rate": number
                  }
               ],
               "dimensions": {
                  "string" : "string"
               },
               "requests": [
                  {
                     "period": "string",
                     "rate": number
                  }
               ],
               "tokens": [
                  {
                     "period": "string",
                     "rate": number
                  }
               ]
            }
         ],
         "gatewayIdentifier": "string",
         "rateLimitId": "string",
         "status": "string",
         "updatedAt": "string"
      }
   ]
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

The token for the next page of results. If this value is absent, there are no more results to retrieve.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

rateLimits

The list of rate limits for the gateway.

Type: Array of GatewayRateLimitDetail objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListGatewayRules

Lists all rules for a gateway.

Request Syntax

```
GET /gateways/gatewayIdentifier/rules?maxResults=maxResults&nextToken=nextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway to list rules for.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

maxResults

The maximum number of results to return in the response. If the total number of results is greater than this value, use the token returned in the response in the `nextToken` field when making another request to return the next batch of results.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The pagination token from a previous request.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "gatewayRules": [
      {
         "actions": [
            { ... }
         ],
         "conditions": [
            { ... }
         ],
         "createdAt": "string",
         "description": "string",
         "gatewayArn": "string",
         "priority": number,
         "ruleId": "string",
         "status": "string",
         "system": {
            "managedBy": "string"
         },
         "updatedAt": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

gatewayRules

The list of gateway rules.

Type: Array of GatewayRuleDetail objects

nextToken

The pagination token to use in a subsequent request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListGateways

Lists all gateways in the account.

Request Syntax

```
GET /gateways/?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return in the response. If the total number of results is greater than this value, use the token returned in the response in the `nextToken` field when making another request to return the next batch of results.

Valid Range: Minimum value of 1. Maximum value of 1000.

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, enter the token returned in the `nextToken` field in the response in this field to return the next batch of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
   "items": [
      {
         "authorizerType": "string",
         "createdAt": "string",
         "description": "string",
         "gatewayId": "string",
         "name": "string",
         "protocolType": "string",
         "status": "string",
         "updatedAt": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

items

The list of gateway summaries.

Type: Array of GatewaySummary objects

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, use this token when making another request in the `nextToken` field to return the next batch of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListGatewayTargets

Lists all targets for a specific gateway.

Request Syntax

```
GET /gateways/gatewayIdentifier/targets/?maxResults=maxResults&nextToken=nextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway to list targets for.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

maxResults

The maximum number of results to return in the response. If the total number of results is greater than this value, use the token returned in the response in the `nextToken` field when making another request to return the next batch of results.

Valid Range: Minimum value of 1. Maximum value of 1000.

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, enter the token returned in the `nextToken` field in the response in this field to return the next batch of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "items": [
      {
         "authorizationData": { ... },
         "createdAt": "string",
         "description": "string",
         "lastSynchronizedAt": "string",
         "listingMode": "string",
         "name": "string",
         "resourcePriority": number,
         "status": "string",
         "targetId": "string",
         "targetType": "string",
         "updatedAt": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

items

The list of gateway target summaries.

Type: Array of TargetSummary objects

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, use this token when making another request in the `nextToken` field to return the next batch of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2

- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListHarnessEndpoints

Operation to list the endpoints of a harness.

Request Syntax

```
GET /harnesses/harnessId/endpoints?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

harnessId

The ID of the harness whose endpoints are listed.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}`

Required: Yes

maxResults

The maximum number of results to return in a single call.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "endpoints": [
      {
         "arn": "string",
         "createdAt": "string",
         "description": "string",
         "endpointName": "string",
         "failureReason": "string",
         "harnessId": "string",
         "harnessName": "string",
         "liveVersion": "string",
         "status": "string",
         "targetVersion": "string",
         "updatedAt": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

endpoints

The list of harness endpoints.

Type: Array of HarnessEndpoint objects

nextToken

The token for the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin

- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListHarnesses

Operation to list harnesses.

Request Syntax

```
GET /harnesses?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return in a single call.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "harnesses": [
      {
         "arn": "string",
         "createdAt": "string",
         "harnessId": "string",
```

```
            "harnessName": "string",
            "harnessVersion": "string",
            "status": "string",
            "updatedAt": "string"
        }
    ],
    "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

harnesses

The list of harness summaries.

Type: Array of HarnessSummary objects

nextToken

The token for the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListHarnessVersions

Operation to list the versions of a Harness.

Request Syntax

```
GET /harnesses/harnessId/versions?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

harnessId

The ID of the harness whose versions are listed.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}`

Required: Yes

maxResults

The maximum number of results to return in a single call.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "harnessVersions": [
      {
         "arn": "string",
         "createdAt": "string",
         "failureReason": "string",
         "harnessId": "string",
         "harnessName": "string",
         "harnessVersion": "string",
         "status": "string",
         "updatedAt": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

harnessVersions

The list of harness version summaries.

Type: Array of HarnessVersionSummary objects

nextToken

The token for the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin

- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListMemories

Lists the available Amazon Bedrock AgentCore Memory resources in the current Amazon Region.

Request Syntax

```
POST /memories/ HTTP/1.1
Content-type: application/json

{
   "maxResults": number,
   "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults

The maximum number of results to return in a single call. The default value is 10. The maximum value is 50.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "memories": [
      {
         "arn": "string",
         "createdAt": number,
         "id": "string",
         "managedByResourceArn": "string",
         "status": "string",
         "updatedAt": number
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

memories

The list of AgentCore Memory resource summaries.

Type: Array of MemorySummary objects

nextToken

A token to retrieve the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceException

An internal error occurred.

HTTP Status Code: 500

ThrottledException

API rate limit has been exceeded.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin

- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListOauth2CredentialProviders

Lists all OAuth2 credential providers in your account.

Request Syntax

```
POST /identities/ListOauth2CredentialProviders HTTP/1.1
Content-type: application/json

{
   "maxResults": number,
   "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults

Maximum number of results to return.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

nextToken

Pagination token.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "credentialProviders": [
      {
         "createdTime": number,
         "credentialProviderArn": "string",
         "credentialProviderVendor": "string",
         "lastUpdatedTime": number,
         "name": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

credentialProviders

The list of OAuth2 credential providers.

Type: Array of Oauth2CredentialProviderItem objects

nextToken

Pagination token for the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListOnlineEvaluationConfigs

Lists all online evaluation configurations in the account, providing summary information about each configuration's status and settings.

Request Syntax

```
POST /online-evaluation-configs?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of online evaluation configurations to return in a single response.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The pagination token from a previous request to retrieve the next page of results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "onlineEvaluationConfigs": [
      {
         "clusteringConfig": {
            "frequencies": [ "string" ]
         },
         "createdAt": number,
```

```
            "description": "string",
            "executionStatus": "string",
            "failureReason": "string",
            "insights": [
               {
                  "insightId": "string"
               }
            ],
            "onlineEvaluationConfigArn": "string",
            "onlineEvaluationConfigId": "string",
            "onlineEvaluationConfigName": "string",
            "status": "string",
            "updatedAt": number
         }
      ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

The pagination token to use in a subsequent request to retrieve the next page of results.

Type: String

onlineEvaluationConfigs

The list of online evaluation configuration summaries containing basic information about each configuration.

Type: Array of OnlineEvaluationConfigSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListPaymentConnectors

Lists all payment connectors for a specified payment manager.

Request Syntax

```
POST /payments/managers/paymentManagerId/connectors-list?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return in the response. If the total number of results is greater than this value, use the token returned in the response in the `nextToken` field when making another request to return the next batch of results.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, enter the token returned in the `nextToken` field in the response in this field to return the next batch of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

paymentManagerId

The unique identifier of the payment manager whose connectors to list.

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "paymentConnectors": [
      {
         "lastUpdatedAt": "string",
         "name": "string",
         "paymentConnectorId": "string",
         "provisionMode": "string",
         "status": "string",
         "type": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, use this token when making another request in the `nextToken` field to return the next batch of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

paymentConnectors

The list of payment connector summaries. For details about the fields in each summary, see the `PaymentConnectorSummary` data type.

Type: Array of PaymentConnectorSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4

- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListPaymentCredentialProviders

Lists all payment credential providers in the account.

Request Syntax

```
POST /identities/ListPaymentCredentialProviders HTTP/1.1
Content-type: application/json

{
   "maxResults": number,
   "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults

Maximum number of results to return.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

nextToken

Pagination token.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "credentialProviders": [
      {
         "createdTime": number,
         "credentialProviderArn": "string",
         "credentialProviderVendor": "string",
         "lastUpdatedTime": number,
         "name": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

credentialProviders

The list of payment credential providers.

Type: Array of PaymentCredentialProviderItem objects

nextToken

Pagination token for the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListPaymentManagers

Lists all payment managers in the account.

Request Syntax

```
POST /payments/managers-list?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return in the response. If the total number of results is greater than this value, use the token returned in the response in the `nextToken` field when making another request to return the next batch of results.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, enter the token returned in the `nextToken` field in the response in this field to return the next batch of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "nextToken": "string",
   "paymentManagers": [
      {
         "authorizerType": "string",
         "createdAt": "string",
         "description": "string",
         "kmsKeyArn": "string",
         "lastUpdatedAt": "string",
         "name": "string",
         "paymentManagerArn": "string",
         "paymentManagerId": "string",
         "roleArn": "string",
         "status": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, use this token when making another request in the `nextToken` field to return the next batch of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

paymentManagers

The list of payment manager summaries. For details about the fields in each summary, see the `PaymentManagerSummary` data type.

Type: Array of PaymentManagerSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3

- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListPolicies

Retrieves a list of policies within the AgentCore Policy engine. This operation supports pagination and filtering to help administrators manage and discover policies across policy engines. Results can be filtered by policy engine or resource associations.

Request Syntax

```
GET /policy-engines/policyEngineId/policies?
maxResults=maxResults&nextToken=nextToken&targetResourceScope=targetResourceScope
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of policies to return in a single response. If not specified, the default is 10 policies per page, with a maximum of 100 per page.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

A pagination token returned from a previous ListPolicies call. Use this token to retrieve the next page of results when the response is paginated.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

policyEngineId

The identifier of the policy engine whose policies to retrieve.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

targetResourceScope

Optional filter to list policies that apply to a specific resource scope or resource type. This helps narrow down policy results to those relevant for particular Amazon resources, agent tools, or operational contexts within the policy engine ecosystem.

Length Constraints: Minimum length of 20. Maximum length of 1011.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "policies": [
      {
         "createdAt": "string",
         "definition": { ... },
         "description": "string",
         "enforcementMode": "string",
         "name": "string",
         "policyArn": "string",
         "policyEngineId": "string",
         "policyId": "string",
         "status": "string",
         "statusReasons": [ "string" ],
         "updatedAt": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

A pagination token that can be used in subsequent ListPolicies calls to retrieve additional results. This token is only present when there are more results available.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

policies

An array of policy objects that match the specified criteria. Each policy object contains the policy metadata, status, and key identifiers for further operations.

Type: Array of Policy objects

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListPolicyEngines

Retrieves a list of policy engines within the AgentCore Policy system. This operation supports pagination to help administrators discover and manage policy engines across their account. Each policy engine serves as a container for related policies.

Request Syntax

```
GET /policy-engines?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of policy engines to return in a single response. If not specified, the default is 10 policy engines per page, with a maximum of 100 per page.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

A pagination token returned from a previous ListPolicyEngines call. Use this token to retrieve the next page of results when the response is paginated.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "nextToken": "string",
   "policyEngines": [
      {
         "createdAt": "string",
         "description": "string",
         "encryptionKeyArn": "string",
         "name": "string",
         "policyEngineArn": "string",
         "policyEngineId": "string",
         "status": "string",
         "statusReasons": [ "string" ],
         "updatedAt": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

A pagination token that can be used in subsequent ListPolicyEngines calls to retrieve additional results. This token is only present when there are more results available.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

policyEngines

An array of policy engine objects that exist in the account. Each policy engine object contains the engine metadata, status, and key identifiers for further operations.

Type: Array of PolicyEngine objects

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3

- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListPolicyEngineSummaries

Retrieves a paginated list of metadata-only policy engine summaries without decrypting customer content. This lightweight read operation returns resource identifiers, status, and timestamps for each policy engine, but does not include descriptions or status reasons. Because this operation does not require access to the customer's Amazon KMS key, it is suitable for resource discovery, inventory, and integration scenarios where only metadata is needed.

Request Syntax

```
GET /policy-engine-summaries?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of policy engine summaries to return in a single response.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

A pagination token returned from a previous ListPolicyEngineSummaries call. Use this token to retrieve the next page of results when the response is paginated.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
   "nextToken": "string",
   "policyEngines": [
      {
         "createdAt": "string",
         "encryptionKeyArn": "string",
         "name": "string",
         "policyEngineArn": "string",
         "policyEngineId": "string",
         "status": "string",
         "updatedAt": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

A pagination token that can be used in subsequent ListPolicyEngineSummaries calls to retrieve additional results. This token is only present when there are more results available.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

policyEngines

An array of policy engine summary objects that exist in the account. Each summary contains resource identifiers, status, and timestamps without customer-encrypted content.

Type: Array of PolicyEngineSummary objects

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListPolicyGenerationAssets

Retrieves a list of generated policy assets from a policy generation request within the AgentCore Policy system. This operation returns the actual Dogwood policies and related artifacts produced by the AI-powered policy generation process, allowing users to review and select from multiple generated policy options.

Request Syntax

```
GET /policy-engines/policyEngineId/policy-generations/policyGenerationId/assets?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of policy generation assets to return in a single response. If not specified, the default is 10 assets per page, with a maximum of 100 per page. This helps control response size when dealing with policy generations that produce many alternative policy options.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

A pagination token returned from a previous ListPolicyGenerationAssets call. Use this token to retrieve the next page of assets when the response is paginated due to large numbers of generated policy options.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

policyEngineId

The unique identifier of the policy engine associated with the policy generation request. This provides the context for the generation operation and ensures assets are retrieved from the correct policy engine.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

policyGenerationId

The unique identifier of the policy generation request whose assets are to be retrieved. This must be a valid generation ID from a previous StartPolicyGeneration call that has completed processing.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "policyGenerationAssets": [
      {
         "definition": { ... },
         "findings": [
            {
               "description": "string",
               "type": "string"
            }
         ],
         "policyGenerationAssetId": "string",
         "rawTextFragment": "string"
      }
   ]
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

A pagination token that can be used in subsequent ListPolicyGenerationAssets calls to retrieve additional assets. This token is only present when there are more generated policy assets available beyond the current response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

policyGenerationAssets

An array of generated policy assets including Dogwood policies and related artifacts from the AI-powered policy generation process. Each asset represents a different policy option or variation generated from the original natural language input.

Type: Array of PolicyGenerationAsset objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListPolicyGenerations

Retrieves a list of policy generation requests within the AgentCore Policy system. This operation supports pagination and filtering to help track and manage AI-powered policy generation operations.

Request Syntax

```
GET /policy-engines/policyEngineId/policy-generations?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of policy generations to return in a single response.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

A pagination token for retrieving additional policy generations when results are paginated.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

policyEngineId

The identifier of the policy engine whose policy generations to retrieve.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: [A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "policyGenerations": [
      {
         "createdAt": "string",
         "findings": "string",
         "name": "string",
         "policyEngineId": "string",
         "policyGenerationArn": "string",
         "policyGenerationId": "string",
         "resource": { ... },
         "status": "string",
         "statusReasons": [ "string" ],
         "updatedAt": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

A pagination token for retrieving additional policy generations if more results are available.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

policyGenerations

An array of policy generation objects that match the specified criteria.

Type: Array of PolicyGeneration objects

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4

- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListPolicyGenerationSummaries

Retrieves a paginated list of metadata-only policy generation summaries within a policy engine without decrypting customer content. This lightweight read operation returns resource identifiers, status, timestamps, and findings for each policy generation, but does not include status reasons. Because this operation does not require access to the customer's Amazon KMS key, it is suitable for resource discovery, inventory, and integration scenarios where only metadata is needed.

Request Syntax

```
GET /policy-engines/policyEngineId/policy-generation-summaries?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of policy generation summaries to return in a single response.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

A pagination token returned from a previous ListPolicyGenerationSummaries call. Use this token to retrieve the next page of results when the response is paginated.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

policyEngineId

The identifier of the policy engine whose policy generation summaries to retrieve.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "policyGenerations": [
      {
         "createdAt": "string",
         "findings": "string",
         "name": "string",
         "policyEngineId": "string",
         "policyGenerationArn": "string",
         "policyGenerationId": "string",
         "resource": { ... },
         "status": "string",
         "updatedAt": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

A pagination token that can be used in subsequent ListPolicyGenerationSummaries calls to retrieve additional results. This token is only present when there are more results available.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

policyGenerations

An array of policy generation summary objects that match the specified criteria. Each summary contains resource identifiers, status, timestamps, and findings without customer-encrypted content.

Type: Array of PolicyGenerationSummary objects

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListPolicySummaries

Retrieves a paginated list of metadata-only policy summaries within a policy engine without decrypting customer content. This lightweight read operation returns resource identifiers, status, and timestamps for each policy, but does not include policy definitions, descriptions, or status reasons. Because this operation does not require access to the customer's Amazon KMS key, it is suitable for resource discovery, inventory, and integration scenarios where only metadata is needed.

Request Syntax

```
GET /policy-engines/policyEngineId/policy-summaries?
maxResults=maxResults&nextToken=nextToken&targetResourceScope=targetResourceScope
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of policy summaries to return in a single response.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

A pagination token returned from a previous ListPolicySummaries call. Use this token to retrieve the next page of results when the response is paginated.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

policyEngineId

The identifier of the policy engine whose policy summaries to retrieve.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: [A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}

Required: Yes

targetResourceScope

Optional filter to list policy summaries that apply to a specific resource scope or resource type. This helps narrow down results to those relevant for particular Amazon resources, agent tools, or operational contexts within the policy engine ecosystem.

Length Constraints: Minimum length of 20. Maximum length of 1011.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "policies": [
      {
         "createdAt": "string",
         "enforcementMode": "string",
         "name": "string",
         "policyArn": "string",
         "policyEngineId": "string",
         "policyId": "string",
         "status": "string",
         "updatedAt": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

A pagination token that can be used in subsequent ListPolicySummaries calls to retrieve additional results. This token is only present when there are more results available.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

policies

An array of policy summary objects that match the specified criteria. Each summary contains resource identifiers, status, and timestamps without customer-encrypted content.

Type: Array of PolicySummary objects

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListRegistries

Lists all registries in the account. You can optionally filter results by status using the `status` parameter, or by authorizer type using the `authorizerType` parameter.

Request Syntax

```
GET /registries?
authorizerType=authorizerType&maxResults=maxResults&nextToken=nextToken&status=status
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

authorizerType

Filter registries by their authorizer type. Possible values are `CUSTOM_JWT` and `AWS_IAM`. For more information about authorizer types, see the `RegistryAuthorizerType` enum.

Valid Values: `CUSTOM_JWT | AWS_IAM`

maxResults

The maximum number of results to return in the response. If the total number of results is greater than this value, use the token returned in the response in the `nextToken` field when making another request to return the next batch of results.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, enter the token returned in the `nextToken` field in the response in this field to return the next batch of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

status

Filter registries by their current status. Possible values include `CREATING`, `READY`, `UPDATING`, `CREATE_FAILED`, `UPDATE_FAILED`, `DELETING`, and `DELETE_FAILED`.

Valid Values: `CREATING | READY | UPDATING | CREATE_FAILED | UPDATE_FAILED | DELETING | DELETE_FAILED`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "registries": [
      {
         "authorizerType": "string",
         "createdAt": "string",
         "description": "string",
         "name": "string",
         "registryArn": "string",
         "registryId": "string",
         "status": "string",
         "statusReason": "string",
         "updatedAt": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, use this token when making another request in the `nextToken` field to return the next batch of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

registries

The list of registry summaries. For details about the fields in each summary, see the `RegistrySummary` data type.

Type: Array of RegistrySummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListRegistryRecords

Lists registry records within a registry. You can optionally filter results using the `name`, `status`, and `descriptorType` parameters. When multiple filters are specified, they are combined using AND logic.

Request Syntax

```
GET /registries/registryId/records?
descriptorType=descriptorType&maxResults=maxResults&name=name&nextToken=nextToken&status=status
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

descriptorType

Filter registry records by their descriptor type. Possible values are `MCP`, `A2A`, `CUSTOM`, and `AGENT_SKILLS`.

Valid Values: `MCP | A2A | CUSTOM | AGENT_SKILLS`

maxResults

The maximum number of results to return in the response. If the total number of results is greater than this value, use the token returned in the response in the `nextToken` field when making another request to return the next batch of results.

Valid Range: Minimum value of 1. Maximum value of 100.

name

Filter registry records by name.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, enter the token returned in the `nextToken` field in the response in this field to return the next batch of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

registryId

The identifier of the registry to list records from. You can specify either the Amazon Resource Name (ARN) or the ID of the registry.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

status

Filter registry records by their current status. Possible values include CREATING, DRAFT, APPROVED, PENDING_APPROVAL, REJECTED, DEPRECATED, UPDATING, CREATE_FAILED, and UPDATE_FAILED.

Valid Values: `DRAFT | PENDING_APPROVAL | APPROVED | REJECTED | DEPRECATED | CREATING | UPDATING | CREATE_FAILED | UPDATE_FAILED`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "registryRecords": [
      {
         "createdAt": "string",
         "description": "string",
         "descriptorType": "string",
         "name": "string",
```

```
            "recordArn": "string",
            "recordId": "string",
            "recordVersion": "string",
            "registryArn": "string",
            "status": "string",
            "updatedAt": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If the total number of results is greater than the `maxResults` value provided in the request, use this token when making another request in the `nextToken` field to return the next batch of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

registryRecords

The list of registry record summaries. For details about the fields in each summary, see the `RegistryRecordSummary` data type.

Type: Array of RegistryRecordSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListTagsForResource

Lists the tags associated with the specified resource.

> **Note**
>
> This feature is currently available only for AgentCore Runtime, Browser, Browser Profile, Code Interpreter tool, and Gateway.

Request Syntax

```
GET /tags/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource for which you want to list tags.

Length Constraints: Minimum length of 20. Maximum length of 1011.

Pattern: `arn:(?:[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:([a-z-]+/[^/]+)(?:/[a-z-]+/[^/]+)*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
   "tags": {
      "string" : "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

tags

The tags associated with the resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

ListWorkloadIdentities

Lists all workload identities in your account.

Request Syntax

```
POST /identities/ListWorkloadIdentities HTTP/1.1
Content-type: application/json

{
   "maxResults": number,
   "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults

Maximum number of results to return.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

nextToken

Pagination token.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "nextToken": "string",
   "workloadIdentities": [
      {
         "name": "string",
         "workloadIdentityArn": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

Pagination token for the next page of results.

Type: String

workloadIdentities

The list of workload identities.

Type: Array of WorkloadIdentityType objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)

- Amazon SDK for Ruby V3

PutResourcePolicy

Creates or updates a resource-based policy for a resource with the specified resourceArn.

> **Note**
>
> This feature is currently available only for AgentCore Runtime and Gateway.

Request Syntax

```
PUT /resourcepolicy/resourceArn HTTP/1.1
Content-type: application/json

{
   "policy": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource for which to create or update the resource policy.

Length Constraints: Minimum length of 20. Maximum length of 1011.

Required: Yes

Request Body

The request accepts the following data in JSON format.

policy

The resource policy to create or update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20480.

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "policy": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

policy

The resource policy that was created or updated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20480.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

RotatePaymentConnectorCredentials

Replaces the service-managed credentials of a payment connector with newly issued credentials.

Use this operation only for payment connectors with a `provisionMode` of `QUICK_CREATE`. For payment connectors with a `provisionMode` of `MANUAL`, call `UpdatePaymentCredentialProvider` instead after rotating credentials with the payment provider directly.

The rotation finishes before the response is returned, and only one rotation runs at a time for a given payment connector. When it succeeds, the new credential is in effect and the payment connector stays in the `READY` state. When it fails, an error is returned, the payment connector and its existing credential are left unchanged, and you can retry the request.

Rotation replaces the credential on the connector's credential provider, so every payment connector that uses that provider is affected. Replace any copy of the previous credential that you use outside AgentCore.

Request Syntax

```
POST /payments/managers/paymentManagerId/connectors/paymentConnectorId/rotate-
credentials HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "credentialsToRotate": { ... }
}
```

URI Request Parameters

The request uses the following URI parameters.

paymentConnectorId

The unique identifier of the payment connector whose credentials you want to rotate.

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z_][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

paymentManagerId

The unique identifier of the parent payment manager.

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

credentialsToRotate

The credentials to rotate. Specify the member that matches the payment connector's `type`. Each credential that you select is rotated independently.

Type: CredentialRotationConfig object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "lastUpdatedAt": "string",
   "paymentConnectorId": "string",
   "paymentManagerId": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

lastUpdatedAt

The timestamp when the payment connector was last updated, which is when the rotation completed.

Type: Timestamp

paymentConnectorId

The unique identifier of the payment connector.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z_][-]?){1,100}-[0-9a-z]{10}`

paymentManagerId

The unique identifier of the parent payment manager.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

status

The current status of the payment connector, which is READY after a successful rotation.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | READY | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED | AWS_MARKETPLACE_SUBSCRIPTION_REQUIRED | PENDING_AUTHENTICATION | PROVISIONING | AUTHENTICATION_EXPIRED | AUTHENTICATION_FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

SetTokenVaultCMK

Sets the customer master key (CMK) for a token vault.

Request Syntax

```
POST /identities/set-token-vault-cmk HTTP/1.1
Content-type: application/json

{
   "kmsConfiguration": {
      "keyType": "string",
      "kmsKeyArn": "string"
   },
   "tokenVaultId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

kmsConfiguration

The Amazon KMS configuration for the token vault, including the key type and Amazon KMS key ARN.

Type: KmsConfiguration object

Required: Yes

tokenVaultId

The unique identifier of the token vault to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9\-_]+`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "kmsConfiguration": {
      "keyType": "string",
      "kmsKeyArn": "string"
   },
   "lastModifiedDate": number,
   "tokenVaultId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

kmsConfiguration

The KMS configuration for the token vault.

Type: KmsConfiguration object

lastModifiedDate

The timestamp when the token vault was last modified.

Type: Timestamp

tokenVaultId

The ID of the token vault.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9\-_]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConcurrentModificationException

Exception thrown when a resource is modified concurrently by multiple requests.

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

StartPolicyGeneration

Initiates the AI-powered generation of Dogwood policies from natural language descriptions within the AgentCore Policy system. This feature enables both technical and non-technical users to create policies by describing their authorization requirements in plain English, which is then automatically translated into formal Dogwood policy statements. The generation process analyzes the natural language input along with the Gateway's tool context to produce validated policy options. Generated policy assets are automatically deleted after 7 days, so you should review and create policies from the generated assets within this timeframe. Once created, policies are permanent and not subject to this expiration. Generated policies should be reviewed and tested in log-only mode before deploying to production. Use this when you want to describe policy intent naturally rather than learning Dogwood syntax, though generated policies may require refinement for complex scenarios.

Request Syntax

```
POST /policy-engines/policyEngineId/policy-generations HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "content": { ... },
   "name": "string",
   "resource": { ... }
}
```

URI Request Parameters

The request uses the following URI parameters.

policyEngineId

The identifier of the policy engine that provides the context for policy generation. This engine's schema and tool context are used to ensure generated policies are valid and applicable.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure the idempotency of the request. The Amazon SDK automatically generates this token, so you don't need to provide it in most cases. If you retry a request with the same client token, the service returns the same response without starting a duplicate generation.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

content

The natural language description of the desired policy behavior. This content is processed by AI to generate corresponding Dogwood policy statements that match the described intent.

Type: Content object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

name

A customer-assigned name for the policy generation request. This helps track and identify generation operations, especially when running multiple generations simultaneously.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

Required: Yes

resource

The resource information that provides context for policy generation. This helps the AI understand the target resources and generate appropriate access control rules.

Type: Resource object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "createdAt": "string",
   "findings": "string",
   "name": "string",
   "policyEngineId": "string",
   "policyGenerationArn": "string",
   "policyGenerationId": "string",
   "resource": { ... },
   "status": "string",
   "statusReasons": [ "string" ],
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the policy generation request was created.

Type: Timestamp

findings

Initial findings from the policy generation process.

Type: String

name

The customer-assigned name for the policy generation request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

policyEngineId

The identifier of the policy engine associated with the started policy generation.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

policyGenerationArn

The ARN of the created policy generation request.

Type: String

Length Constraints: Minimum length of 103. Maximum length of 210.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}/policy-generation/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

policyGenerationId

The unique identifier assigned to the policy generation request for tracking progress.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

resource

The resource information associated with the policy generation request.

Type: Resource object

Note: This object is a Union. Only one member of this object can be specified or returned.

status

The initial status of the policy generation request.

Type: String

Valid Values: `GENERATING | GENERATED | GENERATE_FAILED | DELETE_FAILED`

statusReasons

Additional information about the generation status.

Type: Array of strings

updatedAt

The timestamp when the policy generation was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin

- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

SubmitRegistryRecordForApproval

Submits a registry record for approval. This transitions the record from DRAFT status to PENDING_APPROVAL status. If the registry has auto-approval enabled, the record is automatically approved.

Request Syntax

```
POST /registries/registryId/records/recordId/submit-for-approval HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

recordId

The identifier of the registry record to submit for approval. You can specify either the Amazon Resource Name (ARN) or the ID of the record.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/)?[a-zA-Z0-9]{12}`

Required: Yes

registryId

The identifier of the registry containing the record. You can specify either the Amazon Resource Name (ARN) or the ID of the registry.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "recordArn": "string",
   "recordId": "string",
   "registryArn": "string",
   "status": "string",
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

recordArn

The Amazon Resource Name (ARN) of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/[a-zA-Z0-9]{12}`

recordId

The unique identifier of the registry record.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[a-zA-Z0-9]{12}`

registryArn

The Amazon Resource Name (ARN) of the registry that contains the record.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

status

The resulting status of the registry record after submission.

Type: String

Valid Values: `DRAFT | PENDING_APPROVAL | APPROVED | REJECTED | DEPRECATED | CREATING | UPDATING | CREATE_FAILED | UPDATE_FAILED`

updatedAt

The timestamp when the record was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

SynchronizeGatewayTargets

Synchronizes the gateway targets by fetching the latest tool definitions from the target endpoints.

You cannot synchronize a target that is in a pending authorization state (`CREATE_PENDING_AUTH`, `UPDATE_PENDING_AUTH`, or `SYNCHRONIZE_PENDING_AUTH`). Wait for the authorization to complete or fail before synchronizing.

You cannot synchronize a target that has a static tool schema (`mcpToolSchema`) configured. Remove the static schema through an `UpdateGatewayTarget` call to enable dynamic tool synchronization.

Request Syntax

```
PUT /gateways/gatewayIdentifier/synchronizeTargets HTTP/1.1
Content-type: application/json

{
   "targetIdList": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The gateway Identifier.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

targetIdList

The target ID list.

Type: Array of strings

Array Members: Fixed number of 1 item.

Pattern: `[0-9a-zA-Z]{10}`

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "targets": [
      {
         "authorizationData": { ... },
         "createdAt": "string",
         "credentialProviderConfigurations": [
            {
               "credentialProvider": { ... },
               "credentialProviderType": "string"
            }
         ],
         "description": "string",
         "gatewayArn": "string",
         "lastSynchronizedAt": "string",
         "metadataConfiguration": {
            "allowedQueryParameters": [ "string" ],
            "allowedRequestHeaders": [ "string" ],
            "allowedResponseHeaders": [ "string" ]
         },
         "name": "string",
         "privateEndpoint": { ... },
         "privateEndpointManagedResources": [
            {
               "domain": "string",
               "resourceAssociationArn": "string",
               "resourceGatewayArn": "string"
            }
         ],
         "protocolType": "string",
         "status": "string",
```

```
            "statusReasons": [ "string" ],
            "targetConfiguration": { ... },
            "targetId": "string",
            "updatedAt": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

targets

The gateway targets for synchronization.

Type: Array of GatewayTarget objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

TagResource

Associates the specified tags to a resource with the specified resourceArn. If existing tags on a resource are not specified in the request parameters, they are not changed. When a resource is deleted, the tags associated with that resource are also deleted.

> **Note**
>
> This feature is currently available only for AgentCore Runtime, Browser, Browser Profile, Code Interpreter tool, and Gateway.

Request Syntax

```
POST /tags/resourceArn HTTP/1.1
Content-type: application/json

{
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource that you want to tag.

Length Constraints: Minimum length of 20. Maximum length of 1011.

Pattern: `arn:(?:[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:([a-z-]+/[^/]+)(?:/[a-z-]+/[^/]+)*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

The tags to add to the resource. A tag is a key-value pair.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UntagResource

Removes the specified tags from the specified resource.

> **Note**
>
> This feature is currently available only for AgentCore Runtime, Browser, Browser Profile, Code Interpreter tool, and Gateway.

Request Syntax

```
DELETE /tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource that you want to untag.

Length Constraints: Minimum length of 20. Maximum length of 1011.

Pattern: `arn:(?:[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:([a-z-]+/[^/]+)(?:/[a-z-]+/[^/]+)*`

Required: Yes

tagKeys

The tag keys of the tags to remove from the resource.

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateAgentRuntime

Updates an existing Amazon Secure Agent.

Request Syntax

```
PUT /runtimes/agentRuntimeId/ HTTP/1.1
Content-type: application/json

{
   "agentRuntimeArtifact": { ... },
   "authorizerConfiguration": { ... },
   "capacityProviderConfiguration": {
      "capacityProviderArn": "string"
   },
   "clientToken": "string",
   "description": "string",
   "environmentVariables": {
      "string" : "string"
   },
   "filesystemConfigurations": [
      { ... }
   ],
   "lifecycleConfiguration": {
      "idleRuntimeSessionTimeout": number,
      "maxLifetime": number
   },
   "metadataConfiguration": {
      "requireMMDSV2": boolean
   },
   "networkConfiguration": {
      "networkMode": "string",
      "networkModeConfig": {
         "requireServiceS3Endpoint": boolean,
         "securityGroups": [ "string" ],
         "subnets": [ "string" ]
      }
   },
   "platformVersion": "string",
   "protocolConfiguration": {
      "serverProtocol": "string"
   },
   "requestHeaderConfiguration": { ... },
```

```
    "roleArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime to update.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

agentRuntimeArtifact

The updated artifact of the AgentCore Runtime.

Type: AgentRuntimeArtifact object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

authorizerConfiguration

The updated authorizer configuration for the AgentCore Runtime.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

capacityProviderConfiguration

The updated capacity provider configuration for the AgentCore Runtime.

Type: CapacityProviderConfiguration object

Required: No

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The updated description of the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

environmentVariables

Updated environment variables to set in the AgentCore Runtime environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 100.

Value Length Constraints: Minimum length of 0. Maximum length of 5000.

Required: No

filesystemConfigurations

The updated filesystem configurations to mount into the AgentCore Runtime.

Type: Array of FilesystemConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

lifecycleConfiguration

The updated life cycle configuration for the AgentCore Runtime.

Type: LifecycleConfiguration object

Required: No

metadataConfiguration

The updated configuration for microVM Metadata Service (MMDS) settings for the AgentCore Runtime.

Type: RuntimeMetadataConfiguration object

Required: No

networkConfiguration

The updated network configuration for the AgentCore Runtime.

Type: NetworkConfiguration object

Required: No

platformVersion

The updated version of the runtime platform to use for the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[^\s]+`

Required: No

protocolConfiguration

The protocol configuration for an agent runtime. This structure defines how the agent runtime communicates with clients.

Type: ProtocolConfiguration object

Required: No

requestHeaderConfiguration

The updated configuration for HTTP request headers that will be passed through to the runtime.

Type: RequestHeaderConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

roleArn

The updated IAM role ARN that provides permissions for the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "agentRuntimeArn": "string",
   "agentRuntimeId": "string",
   "agentRuntimeVersion": "string",
   "createdAt": "string",
   "lastUpdatedAt": "string",
   "status": "string",
   "workloadIdentityDetails": {
      "workloadIdentityArn": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

agentRuntimeArn

The Amazon Resource Name (ARN) of the updated AgentCore Runtime.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:runtime/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

agentRuntimeId

The unique identifier of the updated AgentCore Runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

agentRuntimeVersion

The version of the updated AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

createdAt

The timestamp when the AgentCore Runtime was created.

Type: Timestamp

lastUpdatedAt

The timestamp when the AgentCore Runtime was last updated.

Type: Timestamp

status

The current status of the updated AgentCore Runtime.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

workloadIdentityDetails

The workload identity details for the updated AgentCore Runtime.

Type: WorkloadIdentityDetails object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateAgentRuntimeEndpoint

Updates an existing Amazon Bedrock AgentCore Runtime endpoint.

Request Syntax

```
PUT /runtimes/agentRuntimeId/runtime-endpoints/endpointName/ HTTP/1.1
Content-type: application/json

{
   "agentRuntimeVersion": "string",
   "clientToken": "string",
   "description": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

agentRuntimeId

The unique identifier of the AgentCore Runtime associated with the endpoint.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

endpointName

The name of the AgentCore Runtime endpoint to update.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

agentRuntimeVersion

The updated version of the AgentCore Runtime for the endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Required: No

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The updated description of the AgentCore Runtime endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "agentRuntimeArn": "string",
   "agentRuntimeEndpointArn": "string",
   "createdAt": "string",
   "lastUpdatedAt": "string",
   "liveVersion": "string",
   "status": "string",
   "targetVersion": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

agentRuntimeArn

The Amazon Resource Name (ARN) of the AgentCore Runtime.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:runtime/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

agentRuntimeEndpointArn

The Amazon Resource Name (ARN) of the AgentCore Runtime endpoint.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:runtime/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}/runtime-endpoint/[a-zA-Z][a-zA-Z0-9_]{0,47}`

createdAt

The timestamp when the AgentCore Runtime endpoint was created.

Type: Timestamp

lastUpdatedAt

The timestamp when the AgentCore Runtime endpoint was last updated.

Type: Timestamp

liveVersion

The currently deployed version of the AgentCore Runtime on the endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

status

The current status of the updated AgentCore Runtime endpoint.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

targetVersion

The target version of the AgentCore Runtime for the endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateApiKeyCredentialProvider

Updates an existing API key credential provider.

Request Syntax

```
POST /identities/UpdateApiKeyCredentialProvider HTTP/1.1
Content-type: application/json

{
   "apiKey": "string",
   "apiKeySecretConfig": {
      "jsonKey": "string",
      "secretId": "string"
   },
   "apiKeySecretSource": "string",
   "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

apiKey

The new API key to use for authentication. This value replaces the existing API key and is encrypted and stored securely.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 65536.

Required: No

apiKeySecretConfig

A reference to the Amazon Secrets Manager secret that stores the API key. This includes the secret ID and the JSON key used to extract the API key value from the secret. Required when `apiKeySecretSource` is set to `EXTERNAL`.

Type: SecretReference object

Required: No

apiKeySecretSource

The source type of the API key secret. Use `MANAGED` if the secret is managed by the service, or `EXTERNAL` if you manage the secret yourself in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED | EXTERNAL`

Required: No

name

The name of the API key credential provider to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "apiKeySecretArn": {
      "secretArn": "string"
   },
   "apiKeySecretJsonKey": "string",
   "apiKeySecretSource": "string",
   "createdTime": number,
   "credentialProviderArn": "string",
   "lastUpdatedTime": number,
   "name": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

apiKeySecretArn

The Amazon Resource Name (ARN) of the API key secret in Amazon Secrets Manager.

Type: Secret object

apiKeySecretJsonKey

The JSON key used to extract the API key value from the Amazon Secrets Manager secret.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

apiKeySecretSource

The source type of the API key secret. Either `MANAGED` if the secret is managed by the service, or `EXTERNAL` if managed by the user in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED | EXTERNAL`

createdTime

The timestamp when the API key credential provider was created.

Type: Timestamp

credentialProviderArn

The Amazon Resource Name (ARN) of the API key credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/apikeycredentialprovider/[a-zA-Z0-9-.]+`

lastUpdatedTime

The timestamp when the API key credential provider was last updated.

Type: Timestamp

name

The name of the API key credential provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

DecryptionFailure

Exception thrown when decryption of a secret fails.

HTTP Status Code: 400

EncryptionFailure

Exception thrown when encryption of a secret fails.

HTTP Status Code: 400

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateCapacityProvider

Updates a capacity provider. Only the description can be changed. To change other configuration, such as instance types, networking, or storage, create a new capacity provider.

Request Syntax

```
PUT /capacity-providers/capacityProviderId HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": {
      "optionalValue": "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

capacityProviderId

The unique identifier of the capacity provider to update.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token

matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The updated description of the capacity provider.

Type: UpdatedDescription object

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "capacityProviderArn": "string",
   "capacityProviderId": "string",
   "createdAt": "string",
   "lastUpdatedAt": "string",
   "name": "string",
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

capacityProviderArn

The Amazon Resource Name (ARN) of the capacity provider.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:capacity-provider/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

capacityProviderId

The unique identifier of the capacity provider.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

createdAt

The timestamp when the capacity provider was created.

Type: Timestamp

lastUpdatedAt

The timestamp when the capacity provider was last updated.

Type: Timestamp

name

The name of the capacity provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

status

The current status of the capacity provider. For possible values, see `CapacityProviderStatus`.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

RetryableConflictException

The operation failed because of a conflicting request. Retry the request.

HTTP Status Code: 409

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateConfigurationBundle

Updates a configuration bundle by creating a new version with the specified changes. Each update creates a new version in the version history.

Request Syntax

```
PUT /configuration-bundles/bundleId HTTP/1.1
Content-type: application/json

{
   "branchName": "string",
   "bundleName": "string",
   "clientToken": "string",
   "commitMessage": "string",
   "components": {
      "string" : {
         "configuration": JSON value
      }
   },
   "createdBy": {
      "arn": "string",
      "name": "string"
   },
   "description": "string",
   "kmsKeyArn": "string",
   "parentVersionIds": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

bundleId

The unique identifier of the configuration bundle to update.

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

branchName

The branch name for this version. If not specified, inherits the parent's branch or defaults to `mainline`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z][a-zA-Z0-9_/-]{0,127}`

Required: No

bundleName

The updated name for the configuration bundle.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}`

Required: No

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

commitMessage

A commit message describing the changes in this version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Required: Yes

components

The updated component configurations. Creates a new version of the bundle.

Type: String to ComponentConfiguration object map

Key Length Constraints: Minimum length of 1. Maximum length of 2048.

Key Pattern: `[a-zA-Z][a-zA-Z0-9_:/.\-]{0,2047}`

Required: No

createdBy

The source that created this version, including the source name and optional ARN.

Type: VersionCreatedBySource object

Required: No

description

The updated description for the configuration bundle.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Pattern: `.+`

Required: No

kmsKeyArn

Optional KMS key ARN for encrypting component configurations. If provided, components will be encrypted with this key. If the bundle already has a KMS key, this rotates to the new key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

parentVersionIds

A list of parent version identifiers for lineage tracking. Regular commits have a single parent. Merge commits have two parents: the target branch parent and the source branch parent. If the branch already exists, the first parent must be the latest version on that branch.

Type: Array of strings

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "bundleArn": "string",
   "bundleId": "string",
   "updatedAt": number,
   "versionId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

bundleArn

The Amazon Resource Name (ARN) of the updated configuration bundle.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:configuration-bundle/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

bundleId

The unique identifier of the updated configuration bundle.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

updatedAt

The timestamp when the configuration bundle was updated.

Type: Timestamp

versionId

The new version identifier created by this update.

Type: String

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateConsentPortal

Updates an existing consent portal.

Request Syntax

```
POST /identities/UpdateConsentPortal HTTP/1.1
Content-type: application/json

{
   "consentPortalIdentifier": "string",
   "description": "string",
   "executionRoleArn": "string",
   "idpConfig": {
      "audience": "string",
      "credentialProviderArn": "string",
      "scopes": [ "string" ]
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

consentPortalIdentifier

The identifier of the consent portal. You can specify either the consent portal ID or its Amazon Resource Name (ARN).

Type: String

Pattern: `[a-zA-Z0-9\-_]{1,50}-[A-Za-z0-9]{10}`

Required: Yes

description

The description of the consent portal.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Required: No

executionRoleArn

The Amazon Resource Name (ARN) of the IAM role that the consent portal assumes to access the resources defined in its sources.

Type: String

Pattern: `arn:aws(-[a-z-]+)?:iam::[0-9]{12}:role/[a-zA-Z0-9+=,.@\-_/]+`

Required: No

idpConfig

The identity provider configuration that the consent portal uses to authenticate end users.

Type: ConsentPortalIdpConfig object

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "consentPortalArn": "string",
   "consentPortalId": "string",
   "createdAt": number,
   "description": "string",
   "executionRoleArn": "string",
   "idpConfig": {
      "audience": "string",
      "credentialProviderArn": "string",
      "scopes": [ "string" ]
   },
   "name": "string",
   "portalUrl": "string",
   "sources": [
```

```
      {
         "identifier": "string",
         "type": "string"
      }
   ],
   "status": "string",
   "statusReason": "string",
   "updatedAt": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

consentPortalArn

The Amazon Resource Name (ARN) of the consent portal.

Type: String

Pattern: `arn:aws[^:]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:consent-portal/[a-zA-Z0-9\-_]{1,50}-[A-Za-z0-9]{10}`

consentPortalId

The unique identifier of the consent portal.

Type: String

Pattern: `[a-zA-Z0-9\-_]{1,50}-[A-Za-z0-9]{10}`

createdAt

The timestamp for when the consent portal was created.

Type: Timestamp

description

The description of the consent portal.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

executionRoleArn

The Amazon Resource Name (ARN) of the IAM role that the consent portal assumes to access the resources defined in its sources.

Type: String

Pattern: `arn:aws(-[a-z-]+)?:iam::[0-9]{12}:role/[a-zA-Z0-9+=,.@\-_/]+`

idpConfig

The identity provider configuration that the consent portal uses to authenticate end users.

Type: ConsentPortalIdpConfig object

name

The name of the consent portal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `[a-zA-Z0-9_-]{1,50}`

portalUrl

The URL used to access the consent portal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

sources

The resources served by the consent portal.

Type: Array of ConsentPortalSource objects

Array Members: Fixed number of 1 item.

status

The current status of the consent portal.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | UPDATE_FAILED | DELETING | FAILED`

statusReason

A message that provides additional information about the current status of the consent portal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

updatedAt

The timestamp for when the consent portal was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateDataset

Updates a dataset's metadata. Synchronous operation. Only provided fields are updated; omitted fields remain unchanged. To modify dataset content, use `AddDatasetExamples`, `UpdateDatasetExamples`, or `DeleteDatasetExamples`.

Request Syntax

```
PUT /datasets/datasetId HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

datasetId

The unique identifier of the dataset to update.

Pattern: `[a-zA-Z0-9_-]{1,110}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The updated description for the dataset.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 200.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "datasetArn": "string",
   "datasetId": "string",
   "updatedAt": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

datasetArn

The Amazon Resource Name (ARN) of the updated dataset.

Type: String

Pattern: `arn:aws(-[a-z]+)*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:dataset/[a-zA-Z0-9_-]{1,110}`

datasetId

The unique identifier of the updated dataset.

Type: String

Pattern: `[a-zA-Z0-9_-]{1,110}`

updatedAt

The timestamp when the dataset was updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateDatasetExamples

Updates multiple existing examples in-place on DRAFT. All examples are validated against the dataset's schema type before any writes occur. If any example fails validation, the entire batch is rejected (all-or-nothing semantics).

Request Syntax

```
POST /datasets/datasetId/examples/update HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "examples": [ JSON value ]
}
```

URI Request Parameters

The request uses the following URI parameters.

datasetId

The unique identifier of the dataset.

Pattern: `[a-zA-Z0-9_-]{1,110}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

examples

Examples to update. Each element is a JSON object containing a required `exampleId` field identifying the existing example, plus the replacement fields. Maximum 1000 examples per call.

Type: Array of JSON values

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "datasetArn": "string",
   "datasetId": "string",
   "status": "string",
   "updatedAt": number,
   "updatedCount": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

datasetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

Pattern: `arn:aws(-[a-z]+)*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:dataset/[a-zA-Z0-9_-]{1,110}`

datasetId

The unique identifier of the dataset.

Type: String

Pattern: `[a-zA-Z0-9_-]{1,110}`

status

The current status of the dataset.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | ACTIVE | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

updatedAt

The timestamp when the examples were updated.

Type: Timestamp

updatedCount

The number of examples updated.

Type: Long

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateEvaluator

Updates a custom evaluator's configuration, description, or evaluation level. Built-in evaluators cannot be updated. The evaluator must not be locked for modification.

Request Syntax

```
PUT /evaluators/evaluatorId HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": "string",
   "evaluatorConfig": { ... },
   "kmsKeyArn": "string",
   "level": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

evaluatorId

The unique identifier of the evaluator to update.

Length Constraints: Minimum length of 1. Maximum length of 111.

Pattern: `(Builtin\.[a-zA-Z0-9._-]+|ThirdParty\.[a-zA-Z0-9_-]+\.[a-zA-Z0-9_-]+|[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10})`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token

matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The updated description of the evaluator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

evaluatorConfig

The updated configuration for the evaluator. Specify either LLM-as-a-Judge settings with instructions, rating scale, and model configuration, or code-based settings with a customer-managed Lambda function.

Type: EvaluatorConfig object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

kmsKeyArn

The Amazon Resource Name (ARN) of a customer managed Amazon KMS key to use for encrypting sensitive evaluator data. Specify a new key ARN to rotate the encryption key, or specify a key ARN to add encryption to an evaluator that was previously created without one. When you rotate to a new key, the service decrypts the existing data with the old key and re-encrypts it with the new key. Only symmetric encryption KMS keys are supported. For more information, see Encryption at rest for AgentCore Evaluations.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

level

The updated evaluation level (`TOOL_CALL`, `TRACE`, or `SESSION`) that determines the scope of evaluation.

Type: String

Valid Values: `TOOL_CALL | TRACE | SESSION`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "evaluatorArn": "string",
   "evaluatorId": "string",
   "status": "string",
   "updatedAt": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

evaluatorArn

The Amazon Resource Name (ARN) of the updated evaluator.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:evaluator\/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}$|^arn:aws[a-zA-Z-]*:bedrock-agentcore:::evaluator/(Builtin|ThirdParty)\.[a-zA-Z0-9._-]+`

evaluatorId

The unique identifier of the updated evaluator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 111.

Pattern: `(Builtin\.[a-zA-Z0-9._-]+|ThirdParty\.[a-zA-Z0-9_-]+\.[a-zA-Z0-9_-]+|[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10})`

status

The status of the evaluator update operation.

Type: String

Valid Values: `ACTIVE | CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | DELETING`

updatedAt

The timestamp when the evaluator was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin

- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateGateway

Updates an existing gateway.

Request Syntax

```
PUT /gateways/gatewayIdentifier/ HTTP/1.1
Content-type: application/json

{
   "authorizerConfiguration": { ... },
   "authorizerType": "string",
   "customTransformConfiguration": {
      "lambda": {
         "arn": "string"
      }
   },
   "description": "string",
   "exceptionLevel": "string",
   "interceptorConfigurations": [
      {
         "inputConfiguration": {
            "passRequestHeaders": boolean,
            "payloadFilter": {
               "exclude": [
                  { ... }
               ]
            }
         },
         "interceptionPoints": [ "string" ],
         "interceptor": { ... }
      }
   ],
   "kmsKeyArn": "string",
   "name": "string",
   "policyEngineConfiguration": {
      "arn": "string",
      "mode": "string"
   },
   "protocolConfiguration": { ... },
   "protocolType": "string",
   "roleArn": "string",
   "wafConfiguration": {
```

```
        "failureMode": "string"
    }
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway to update.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

authorizerConfiguration

The updated authorizer configuration for the gateway.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

authorizerType

The updated authorizer type for the gateway.

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM | NONE | AUTHENTICATE_ONLY`

Required: Yes

customTransformConfiguration

The updated custom transformation configuration for the gateway. This configuration defines how the gateway transforms requests and responses.

Type: CustomTransformConfiguration object

Required: No

description

The updated description for the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

exceptionLevel

The level of detail in error messages returned when invoking the gateway.

- If the value is DEBUG, granular exception messages are returned to help a user debug the gateway.
- If the value is omitted, a generic error message is returned to the end user.

Type: String

Valid Values: DEBUG

Required: No

interceptorConfigurations

The updated interceptor configurations for the gateway.

Type: Array of GatewayInterceptorConfiguration objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: No

kmsKeyArn

The updated ARN of the Amazon KMS key used to encrypt the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

name

The name of the gateway. This name must be the same as the one when the gateway was created.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,48}`

Required: Yes

policyEngineConfiguration

The updated policy engine configuration for the gateway. A policy engine is a collection of policies that evaluates and authorizes agent tool calls. When associated with a gateway, the policy engine intercepts all agent requests and determines whether to allow or deny each action based on the defined policies.

Type: GatewayPolicyEngineConfiguration object

Required: No

protocolConfiguration

The configuration for a gateway protocol. This structure defines how the gateway communicates with external services.

Type: GatewayProtocolConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

protocolType

The updated protocol type for the gateway.

Type: String

Valid Values: `MCP`

Required: No

roleArn

The updated IAM role ARN that provides permissions for the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: Yes

wafConfiguration

The updated Amazon WAF configuration for the gateway.

Type: WafConfiguration object

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "authorizerConfiguration": { ... },
   "authorizerType": "string",
   "createdAt": "string",
   "customTransformConfiguration": {
      "lambda": {
         "arn": "string"
      }
   },
   "description": "string",
   "exceptionLevel": "string",
   "gatewayArn": "string",
   "gatewayId": "string",
   "gatewayUrl": "string",
   "interceptorConfigurations": [
      {
         "inputConfiguration": {
```

```
            "passRequestHeaders": boolean,
            "payloadFilter": {
               "exclude": [
                  { ... }
               ]
            }
         },
         "interceptionPoints": [ "string" ],
         "interceptor": { ... }
      }
   ],
   "kmsKeyArn": "string",
   "name": "string",
   "policyEngineConfiguration": {
      "arn": "string",
      "mode": "string"
   },
   "protocolConfiguration": { ... },
   "protocolType": "string",
   "roleArn": "string",
   "status": "string",
   "statusReasons": [ "string" ],
   "updatedAt": "string",
   "wafConfiguration": {
      "failureMode": "string"
   },
   "webAclArn": "string",
   "workloadIdentityDetails": {
      "workloadIdentityArn": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

authorizerConfiguration

The updated authorizer configuration for the gateway.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

authorizerType

The updated authorizer type for the gateway.

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM | NONE | AUTHENTICATE_ONLY`

createdAt

The timestamp when the gateway was created.

Type: Timestamp

customTransformConfiguration

The custom transformation configuration for the gateway. This configuration defines how the gateway transforms requests and responses.

Type: CustomTransformConfiguration object

description

The updated description of the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

exceptionLevel

The level of detail in error messages returned when invoking the gateway.

- If the value is `DEBUG`, granular exception messages are returned to help a user debug the gateway.
- If the value is omitted, a generic error message is returned to the end user.

Type: String

Valid Values: `DEBUG`

gatewayArn

The Amazon Resource Name (ARN) of the updated gateway.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}:[0-9]{12}:gateway/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

gatewayId

The unique identifier of the updated gateway.

Type: String

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

gatewayUrl

An endpoint for invoking the updated gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

interceptorConfigurations

The updated interceptor configurations for the gateway.

Type: Array of GatewayInterceptorConfiguration objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

kmsKeyArn

The updated ARN of the KMS key used to encrypt the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

name

The name of the gateway.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,48}`

policyEngineConfiguration

The updated policy engine configuration for the gateway.

Type: GatewayPolicyEngineConfiguration object

protocolConfiguration

The configuration for a gateway protocol. This structure defines how the gateway communicates with external services.

Type: GatewayProtocolConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

protocolType

The updated protocol type for the gateway.

Type: String

Valid Values: `MCP`

roleArn

The updated IAM role ARN that provides permissions for the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

status

The current status of the updated gateway.

Type: String

Valid Values: `CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED`

statusReasons

The reasons for the current status of the updated gateway.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

updatedAt

The timestamp when the gateway was last updated.

Type: Timestamp

wafConfiguration

The Amazon WAF configuration for the gateway.

Type: WafConfiguration object

webAclArn

The Amazon Resource Name (ARN) of the Amazon WAF web ACL associated with the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:[a-z0-9\-]+:wafv2:[a-z0-9\-]+:[0-9]{12}:regional/webacl/.+`

workloadIdentityDetails

The workload identity details for the updated gateway.

Type: WorkloadIdentityDetails object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateGatewayRateLimit

Updates the entries of a gateway rate limit. The dimension keys are immutable after creation.

Request Syntax

```
PATCH /gateways/gatewayIdentifier/rate-limits/rateLimitId HTTP/1.1
Content-type: application/json

{
   "description": "string",
   "entries": [
      {
         "connections": [
            {
               "period": "string",
               "rate": number
            }
         ],
         "dimensions": {
            "string" : "string"
         },
         "requests": [
            {
               "period": "string",
               "rate": number
            }
         ],
         "tokens": [
            {
               "period": "string",
               "rate": number
            }
         ]
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The unique identifier of the gateway.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

rateLimitId

The unique identifier of the rate limit to update.

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9\-_\.]{0,62}[a-zA-Z0-9]`

Required: Yes

Request Body

The request accepts the following data in JSON format.

description

The updated human-readable description for this rate limit.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Required: No

entries

The updated rule entries. The dimension keys are immutable after creation and cannot be changed.

Type: Array of LimitEntry objects

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdAt": "string",
   "description": "string",
   "dimensionKeys": [ "string" ],
   "entries": [
      {
         "connections": [
            {
               "period": "string",
               "rate": number
            }
         ],
         "dimensions": {
            "string" : "string"
         },
         "requests": [
            {
               "period": "string",
               "rate": number
            }
         ],
         "tokens": [
            {
               "period": "string",
               "rate": number
            }
         ]
      }
   ],
   "gatewayIdentifier": "string",
   "rateLimitId": "string",
   "status": "string",
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the rate limit was created.

Type: Timestamp

description

The human-readable description of the rate limit.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

dimensionKeys

The ordered list of dimension key names that define the scope of this rate limit.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 80.

Pattern: `(targetName|toolName|qualifiedModelId|\$\.context\.iam\.principal|\$\.context\.iam\.sourceIdentity|\$\.context\.jwt\.[a-zA-Z_][a-zA-Z0-9_\-\.]{0,61}[a-zA-Z0-9_])`

entries

The list of rule entries that map dimension values to rate configurations.

Type: Array of LimitEntry objects

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

gatewayIdentifier

The unique identifier of the gateway.

Type: String

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

rateLimitId

The unique identifier of the rate limit.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9\-_\.]{0,62}[a-zA-Z0-9]`

status

The current status of the rate limit.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING`

updatedAt

The timestamp when the rate limit was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateGatewayRule

Updates a gateway rule's priority, conditions, actions, or description.

Request Syntax

```
PATCH /gateways/gatewayIdentifier/rules/ruleId HTTP/1.1
Content-type: application/json

{
   "actions": [
      { ... }
   ],
   "conditions": [
      { ... }
   ],
   "description": "string",
   "priority": number
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The identifier of the gateway containing the rule.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

ruleId

The unique identifier of the rule to update.

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

actions

The updated actions for the rule.

Type: Array of Action objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: No

conditions

The updated conditions for the rule.

Type: Array of Condition objects

Array Members: Minimum number of 0 items. Maximum number of 2 items.

Required: No

description

The updated description of the rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

priority

The updated priority of the rule.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000000.

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "actions": [
      { ... }
   ],
   "conditions": [
      { ... }
   ],
   "createdAt": "string",
   "description": "string",
   "gatewayArn": "string",
   "priority": number,
   "ruleId": "string",
   "status": "string",
   "system": {
      "managedBy": "string"
   },
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

actions

The actions to take when the rule conditions are met.

Type: Array of Action objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

conditions

The conditions that must be met for the rule to apply.

Type: Array of Condition objects

Array Members: Minimum number of 0 items. Maximum number of 2 items.

createdAt

The timestamp when the rule was created.

Type: Timestamp

description

The description of the gateway rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

gatewayArn

The Amazon Resource Name (ARN) of the gateway that the rule belongs to.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}:[0-9]{12}:gateway/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

priority

The priority of the rule. Rules are evaluated in order of priority, with lower numbers evaluated first.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000000.

ruleId

The unique identifier of the gateway rule.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

status

The current status of the rule.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING`

system

System-managed metadata for rules created by automated processes.

Type: SystemManagedBlock object

updatedAt

The timestamp when the rule was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateGatewayTarget

Updates an existing gateway target.

You cannot update a target that is in a pending authorization state (CREATE_PENDING_AUTH, UPDATE_PENDING_AUTH, or SYNCHRONIZE_PENDING_AUTH). Wait for the authorization to complete or fail before updating the target.

Request Syntax

```
PUT /gateways/gatewayIdentifier/targets/targetId/ HTTP/1.1
Content-type: application/json

{
   "credentialProviderConfigurations": [
      {
         "credentialProvider": { ... },
         "credentialProviderType": "string"
      }
   ],
   "description": "string",
   "metadataConfiguration": {
      "allowedQueryParameters": [ "string" ],
      "allowedRequestHeaders": [ "string" ],
      "allowedResponseHeaders": [ "string" ]
   },
   "name": "string",
   "privateEndpoint": { ... },
   "targetConfiguration": { ... }
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayIdentifier

The unique identifier of the gateway associated with the target.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

targetId

The unique identifier of the gateway target to update.

Pattern: `[0-9a-zA-Z]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

credentialProviderConfigurations

The updated credential provider configurations for the gateway target.

Type: Array of CredentialProviderConfiguration objects

Array Members: Fixed number of 1 item.

Required: No

description

The updated description for the gateway target.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

metadataConfiguration

Configuration for HTTP header and query parameter propagation to the gateway target.

Type: MetadataConfiguration object

Required: No

name

The updated name for the gateway target.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,100}`

Required: No

privateEndpoint

The private endpoint configuration for the gateway target. Use this to connect the gateway to private resources in your VPC.

Type: PrivateEndpoint object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

targetConfiguration

The configuration for a gateway target. This structure defines how the gateway connects to and interacts with the target endpoint.

Type: TargetConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "authorizationData": { ... },
   "createdAt": "string",
   "credentialProviderConfigurations": [
      {
         "credentialProvider": { ... },
         "credentialProviderType": "string"
      }
   ],
   "description": "string",
   "gatewayArn": "string",
   "lastSynchronizedAt": "string",
```

```
   "metadataConfiguration": {
      "allowedQueryParameters": [ "string" ],
      "allowedRequestHeaders": [ "string" ],
      "allowedResponseHeaders": [ "string" ]
   },
   "name": "string",
   "privateEndpoint": { ... },
   "privateEndpointManagedResources": [
      {
         "domain": "string",
         "resourceAssociationArn": "string",
         "resourceGatewayArn": "string"
      }
   ],
   "protocolType": "string",
   "status": "string",
   "statusReasons": [ "string" ],
   "targetConfiguration": { ... },
   "targetId": "string",
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

authorizationData

OAuth2 authorization data for the updated gateway target. This data is returned when a target is configured with a credential provider with authorization code grant type and requires user federation.

Type: AuthorizationData object

Note: This object is a Union. Only one member of this object can be specified or returned.

createdAt

The timestamp when the gateway target was created.

Type: Timestamp

credentialProviderConfigurations

The updated credential provider configurations for the gateway target.

Type: Array of CredentialProviderConfiguration objects

Array Members: Fixed number of 1 item.

description

The updated description of the gateway target.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

gatewayArn

The Amazon Resource Name (ARN) of the gateway.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}:[0-9]{12}:gateway/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

lastSynchronizedAt

The date and time at which the targets were last synchronized.

Type: Timestamp

metadataConfiguration

The metadata configuration that was applied to the gateway target.

Type: MetadataConfiguration object

name

The updated name of the gateway target.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,100}`

privateEndpoint

The private endpoint configuration for the gateway target.

Type: PrivateEndpoint object

Note: This object is a Union. Only one member of this object can be specified or returned.

privateEndpointManagedResources

The managed resources created by the gateway for private endpoint connectivity.

Type: Array of ManagedResourceDetails objects

protocolType

The protocol type of the updated gateway target.

Type: String

Valid Values: `MCP | HTTP`

status

The current status of the updated gateway target.

Type: String

Valid Values: `CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED | SYNCHRONIZING | SYNCHRONIZE_UNSUCCESSFUL | CREATE_PENDING_AUTH | UPDATE_PENDING_AUTH | SYNCHRONIZE_PENDING_AUTH`

statusReasons

The reasons for the current status of the updated gateway target.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

targetConfiguration

The configuration for a gateway target. This structure defines how the gateway connects to and interacts with the target endpoint.

Type: TargetConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

targetId

The unique identifier of the updated gateway target.

Type: String

Pattern: `[0-9a-zA-Z]{10}`

updatedAt

The timestamp when the gateway target was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateHarness

Operation to update a harness.

Request Syntax

```
PATCH /harnesses/harnessId HTTP/1.1
Content-type: application/json

{
   "allowedTools": [ "string" ],
   "authorizerConfiguration": {
      "optionalValue": { ... }
   },
   "clientToken": "string",
   "environment": { ... },
   "environmentArtifact": {
      "optionalValue": { ... }
   },
   "environmentVariables": {
      "string" : "string"
   },
   "executionRoleArn": "string",
   "hooks": [
      { ... }
   ],
   "maxIterations": number,
   "maxTokens": number,
   "memory": {
      "optionalValue": { ... }
   },
   "model": { ... },
   "skills": [
      { ... }
   ],
   "systemPrompt": [
      { ... }
   ],
   "timeoutSeconds": number,
   "tools": [
      {
         "config": { ... },
         "name": "string",
```

```
            "type": "string"
         }
      ],
      "truncation": {
         "config": { ... },
         "strategy": "string"
      }
}
```

URI Request Parameters

The request uses the following URI parameters.

harnessId

The ID of the harness to update.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

allowedTools

The tools that the agent is allowed to use. If specified, this replaces all existing allowed tools. If not specified, the existing value is retained.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `(\*|@?[^/]+(/[^/]+)?)`

Required: No

authorizerConfiguration

Wrapper for updating an optional AuthorizerConfiguration field with PATCH semantics. When present in an update request, the authorizer configuration is replaced with optionalValue. When

absent, the authorizer configuration is left unchanged. To unset, include the wrapper with optionalValue not specified.

Type: UpdatedAuthorizerConfiguration object

Required: No

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

environment

The compute environment configuration for the harness. If not specified, the existing value is retained.

Type: HarnessEnvironmentProviderRequest object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

environmentArtifact

The environment artifact for the harness. Use the optionalValue wrapper to set a new value, or set it to null to clear the existing configuration.

Type: UpdatedHarnessEnvironmentArtifact object

Required: No

environmentVariables

Environment variables to set in the harness runtime environment. If specified, this replaces all existing environment variables. If not specified, the existing value is retained.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 100.

Value Length Constraints: Minimum length of 0. Maximum length of 5000.

Required: No

executionRoleArn

The ARN of the IAM role that the harness assumes when running. If not specified, the existing value is retained.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: No

hooks

The lifecycle hooks to run at defined points in the agent loop. If specified, this replaces all existing hooks. If not specified, the existing hooks are retained.

Type: Array of HarnessHook objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: No

maxIterations

The maximum number of iterations the agent loop can execute per invocation. If not specified, the existing value is retained.

Type: Integer

Required: No

maxTokens

The maximum total number of output tokens the agent can generate across all model calls within a single invocation. If not specified, the existing value is retained.

Type: Integer

Required: No

memory

The AgentCore Memory configuration. Use the optionalValue wrapper to set a new value, or set it to null to clear the existing configuration.

Type: UpdatedHarnessMemoryConfiguration object

Required: No

model

The model configuration for the harness. If not specified, the existing value is retained.

Type: HarnessModelConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

skills

The skills available to the agent. If specified, this replaces all existing skills. If not specified, the existing value is retained.

Type: Array of HarnessSkill objects

Required: No

systemPrompt

The system prompt that defines the agent's behavior. If not specified, the existing value is retained.

Type: Array of HarnessSystemContentBlock objects

Required: No

timeoutSeconds

The maximum duration in seconds for the agent loop execution per invocation. If not specified, the existing value is retained.

Type: Integer

Required: No

tools

The tools available to the agent. If specified, this replaces all existing tools. If not specified, the existing value is retained.

Type: Array of HarnessTool objects

Required: No

truncation

The truncation configuration for managing conversation context. If not specified, the existing value is retained.

Type: HarnessTruncationConfiguration object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "harness": {
      "allowedTools": [ "string" ],
      "arn": "string",
      "authorizerConfiguration": { ... },
      "createdAt": "string",
      "environment": { ... },
      "environmentArtifact": { ... },
      "environmentVariables": {
         "string" : "string"
      },
      "executionRoleArn": "string",
      "failureReason": "string",
      "harnessId": "string",
      "harnessName": "string",
      "harnessVersion": "string",
      "hooks": [
         { ... }
      ],
```

```
      "maxIterations": number,
      "maxTokens": number,
      "memory": { ... },
      "model": { ... },
      "skills": [
         { ... }
      ],
      "status": "string",
      "systemPrompt": [
         { ... }
      ],
      "timeoutSeconds": number,
      "tools": [
         {
            "config": { ... },
            "name": "string",
            "type": "string"
         }
      ],
      "truncation": {
         "config": { ... },
         "strategy": "string"
      },
      "updatedAt": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

harness

The updated harness.

Type: Harness object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateHarnessEndpoint

Operation to update a harness endpoint.

Request Syntax

```
PATCH /harnesses/harnessId/endpoints/endpointName HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": "string",
   "targetVersion": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

endpointName

The name of the endpoint to update.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

harnessId

The ID of the harness that the endpoint belongs to.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure idempotency of the request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

A description of the endpoint. If not specified, the existing value is retained.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

targetVersion

The harness version that the endpoint points to. If not specified, the existing value is retained.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "endpoint": {
      "arn": "string",
      "createdAt": "string",
      "description": "string",
      "endpointName": "string",
      "failureReason": "string",
      "harnessId": "string",
      "harnessName": "string",
```

```
        "liveVersion": "string",
        "status": "string",
        "targetVersion": "string",
        "updatedAt": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

endpoint

The updated endpoint.

Type: HarnessEndpoint object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateMemory

Update an Amazon Bedrock AgentCore Memory resource memory.

Request Syntax

```
PUT /memories/memoryId/update HTTP/1.1
Content-type: application/json

{
   "addIndexedKeys": [
      {
         "key": "string",
         "type": "string"
      }
   ],
   "clientToken": "string",
   "description": "string",
   "eventExpiryDuration": number,
   "memoryExecutionRoleArn": "string",
   "memoryStrategies": {
      "addMemoryStrategies": [
         { ... }
      ],
      "deleteMemoryStrategies": [
         {
            "memoryStrategyId": "string"
         }
      ],
      "modifyMemoryStrategies": [
         {
            "configuration": {
               "consolidation": { ... },
               "extraction": { ... },
               "reflection": { ... },
               "selfManagedConfiguration": {
                  "historicalContextWindowSize": number,
                  "invocationConfiguration": {
                     "payloadDeliveryBucketName": "string",
                     "topicArn": "string"
                  },
                  "triggerConditions": [
                     { ... }
```

```
                ]
             }
          },
          "description": "string",
          "memoryRecordSchema": {
             "metadataSchema": [
                {
                   "extractionConfig": { ... },
                   "extractionType": "string",
                   "key": "string",
                   "type": "string"
                }
             ]
          },
          "memoryStrategyId": "string",
          "namespaces": [ "string" ],
          "namespaceTemplates": [ "string" ]
       }
    ]
 },
 "namespaceKeys": [
    {
       "key": "string",
       "validation": {
          "allowedValues": [ "string" ],
          "regexPattern": "string"
       }
    }
 ],
 "streamDeliveryResources": {
    "resources": [
       { ... }
    ]
 }
}
```

URI Request Parameters

The request uses the following URI parameters.

memoryId

The unique identifier of the memory to update.

Length Constraints: Minimum length of 12.

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

addIndexedKeys

Additional metadata keys to index. Previously indexed keys cannot be removed.

Type: Array of IndexedKey objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

clientToken

A client token is used for keeping track of idempotent requests. It can contain a session id which can be around 250 chars, combined with a unique Amazon identifier.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

description

The updated description of the AgentCore Memory resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

eventExpiryDuration

The number of days after which memory events will expire, between 7 and 365 days.

Type: Integer

Valid Range: Minimum value of 3. Maximum value of 365.

Required: No

memoryExecutionRoleArn

The ARN of the IAM role that provides permissions for the AgentCore Memory resource.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

memoryStrategies

The memory strategies to add, modify, or delete.

Type: ModifyMemoryStrategies object

Required: No

namespaceKeys

The namespace variable key definitions with validation rules for this memory. This value fully replaces the existing set — any key you omit is removed. Any referenced `namespaceKey` omission will throw ValidationException.

Type: Array of NamespaceKeyEntry objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

streamDeliveryResources

Configuration for streaming memory record data to external resources.

Type: StreamDeliveryResources object

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "memory": {
      "arn": "string",
      "createdAt": number,
      "description": "string",
      "encryptionKeyArn": "string",
      "eventExpiryDuration": number,
      "failureReason": "string",
      "id": "string",
      "indexedKeys": [
         {
            "key": "string",
            "type": "string"
         }
      ],
      "managedByResourceArn": "string",
      "memoryExecutionRoleArn": "string",
      "name": "string",
      "namespaceKeys": [
         {
            "key": "string",
            "validation": {
               "allowedValues": [ "string" ],
               "regexPattern": "string"
            }
         }
      ],
      "status": "string",
      "strategies": [
         {
            "configuration": {
               "consolidation": { ... },
               "extraction": { ... },
               "reflection": { ... },
               "selfManagedConfiguration": {
                  "historicalContextWindowSize": number,
                  "invocationConfiguration": {
                     "payloadDeliveryBucketName": "string",
```

```
                    "topicArn": "string"
                 },
                 "triggerConditions": [
                    { ... }
                 ]
              },
              "type": "string"
           },
           "createdAt": number,
           "description": "string",
           "memoryRecordSchema": {
              "metadataSchema": [
                 {
                    "extractionConfig": { ... },
                    "extractionType": "string",
                    "key": "string",
                    "type": "string"
                 }
              ]
           },
           "name": "string",
           "namespaces": [ "string" ],
           "namespaceTemplates": [ "string" ],
           "status": "string",
           "strategyId": "string",
           "type": "string",
           "updatedAt": number
        }
     ],
     "streamDeliveryResources": {
        "resources": [
           { ... }
        ]
     },
     "updatedAt": number
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

memory

The updated AgentCore Memory resource details.

Type: Memory object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceException

An internal error occurred.

HTTP Status Code: 500

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottledException

API rate limit has been exceeded.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateOauth2CredentialProvider

Updates an existing OAuth2 credential provider.

Request Syntax

```
POST /identities/UpdateOauth2CredentialProvider HTTP/1.1
Content-type: application/json

{
   "credentialProviderVendor": "string",
   "name": "string",
   "oauth2ProviderConfigInput": { ... }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

credentialProviderVendor

The vendor of the OAuth2 credential provider.

Type: String

Valid Values: `GoogleOauth2 | GithubOauth2 | SlackOauth2 | SalesforceOauth2 | MicrosoftOauth2 | CustomOauth2 | AtlassianOauth2 | LinkedinOauth2 | XOauth2 | OktaOauth2 | OneLoginOauth2 | PingOneOauth2 | FacebookOauth2 | YandexOauth2 | RedditOauth2 | ZoomOauth2 | TwitchOauth2 | SpotifyOauth2 | DropboxOauth2 | NotionOauth2 | HubspotOauth2 | CyberArkOauth2 | FusionAuthOauth2 | Auth0Oauth2 | CognitoOauth2`

Required: Yes

name

The name of the OAuth2 credential provider to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

oauth2ProviderConfigInput

The configuration input for the OAuth2 provider.

Type: Oauth2ProviderConfigInput object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "callbackUrl": "string",
   "clientSecretArn": {
      "secretArn": "string"
   },
   "clientSecretJsonKey": "string",
   "clientSecretSource": "string",
   "createdTime": number,
   "credentialProviderArn": "string",
   "credentialProviderVendor": "string",
   "lastUpdatedTime": number,
   "name": "string",
   "oauth2ProviderConfigOutput": { ... },
   "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

callbackUrl

Callback URL to register on the OAuth2 credential provider as an allowed callback URL. This URL is where the OAuth2 authorization server redirects users after they complete the authorization flow.

Type: String

clientSecretArn

The Amazon Resource Name (ARN) of the client secret in Amazon Secrets Manager.

Type: Secret object

clientSecretJsonKey

The JSON key used to extract the client secret value from the Amazon Secrets Manager secret.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

clientSecretSource

The source type of the client secret. Either `MANAGED` if the secret is managed by the service, or `EXTERNAL` if managed by the user in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED | EXTERNAL`

createdTime

The timestamp when the OAuth2 credential provider was created.

Type: Timestamp

credentialProviderArn

The Amazon Resource Name (ARN) of the OAuth2 credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/oauth2credentialprovider/[a-zA-Z0-9-.]+`

credentialProviderVendor

The vendor of the OAuth2 credential provider.

Type: String

Valid Values: `GoogleOauth2 | GithubOauth2 | SlackOauth2 | SalesforceOauth2 | MicrosoftOauth2 | CustomOauth2 | AtlassianOauth2 | LinkedinOauth2 | XOauth2 | OktaOauth2 | OneLoginOauth2 | PingOneOauth2 | FacebookOauth2 | YandexOauth2 | RedditOauth2 | ZoomOauth2 | TwitchOauth2 | SpotifyOauth2 | DropboxOauth2 | NotionOauth2 | HubspotOauth2 | CyberArkOauth2 | FusionAuthOauth2 | Auth0Oauth2 | CognitoOauth2`

lastUpdatedTime

The timestamp when the OAuth2 credential provider was last updated.

Type: Timestamp

name

The name of the OAuth2 credential provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

oauth2ProviderConfigOutput

The configuration output for the OAuth2 provider.

Type: Oauth2ProviderConfigOutput object

Note: This object is a Union. Only one member of this object can be specified or returned.

status

The current status of the updated OAuth2 credential provider.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

DecryptionFailure

Exception thrown when decryption of a secret fails.

HTTP Status Code: 400

EncryptionFailure

Exception thrown when encryption of a secret fails.

HTTP Status Code: 400

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateOnlineEvaluationConfig

Updates an online evaluation configuration's settings, including rules, data sources, evaluators, and execution status. Changes take effect immediately for ongoing evaluations.

Request Syntax

```
PUT /online-evaluation-configs/onlineEvaluationConfigId HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "clusteringConfig": {
      "frequencies": [ "string" ]
   },
   "dataSourceConfig": { ... },
   "description": "string",
   "evaluationExecutionRoleArn": "string",
   "evaluators": [
      { ... }
   ],
   "executionStatus": "string",
   "insights": [
      {
         "insightId": "string"
      }
   ],
   "outputConfig": {
      "cloudWatchConfig": {
         "logGroupName": "string",
         "metricsNamespace": "string",
         "resultDestination": "string"
      }
   },
   "rule": {
      "filters": [
         {
            "key": "string",
            "operator": "string",
            "value": { ... }
         }
      ],
      "samplingConfig": {
```

```
            "samplingPercentage": number
        },
        "sessionConfig": {
            "sessionTimeoutMinutes": number
        }
    }
}
```

URI Request Parameters

The request uses the following URI parameters.

onlineEvaluationConfigId

The unique identifier of the online evaluation configuration to update.

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

clusteringConfig

The updated clustering configuration for periodic batch evaluation.

Type: ClusteringConfig object

Required: No

dataSourceConfig

The updated data source configuration specifying CloudWatch log groups and service names to monitor.

Type: DataSourceConfig object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

description

The updated description of the online evaluation configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `.+`

Required: No

evaluationExecutionRoleArn

The updated Amazon Resource Name (ARN) of the IAM role used for evaluation execution.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: No

evaluators

The updated list of evaluators to apply during online evaluation.

Type: Array of EvaluatorReference objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Required: No

executionStatus

The updated execution status to enable or disable the online evaluation.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

insights

The updated list of insight types to run against agent sessions.

Type: Array of Insight objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

outputConfig

The configuration that specifies where evaluation results should be written for monitoring and analysis.

Type: OutputConfig object

Required: No

rule

The updated evaluation rule containing sampling configuration, filters, and session settings.

Type: Rule object

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json
```

```
{
   "executionStatus": "string",
   "failureReason": "string",
   "onlineEvaluationConfigArn": "string",
   "onlineEvaluationConfigId": "string",
   "status": "string",
   "updatedAt": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

executionStatus

The execution status indicating whether the online evaluation is currently running.

Type: String

Valid Values: `ENABLED | DISABLED`

failureReason

The reason for failure if the online evaluation configuration update or execution failed.

Type: String

onlineEvaluationConfigArn

The Amazon Resource Name (ARN) of the updated online evaluation configuration.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:online-evaluation-config\/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

onlineEvaluationConfigId

The unique identifier of the updated online evaluation configuration.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

status

The status of the online evaluation configuration.

Type: String

Valid Values: `ACTIVE | CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | DELETING | ERROR`

updatedAt

The timestamp when the online evaluation configuration was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdatePaymentConnector

Updates an existing payment connector. This operation uses PATCH semantics, so you only need to specify the fields you want to change.

Request Syntax

```
PATCH /payments/managers/paymentManagerId/connectors/paymentConnectorId HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "credentialProviderConfigurations": [
      { ... }
   ],
   "description": "string",
   "type": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

paymentConnectorId

The unique identifier of the payment connector to update.

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z_][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

paymentManagerId

The unique identifier of the parent payment manager.

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

credentialProviderConfigurations

The updated credential provider configurations for the payment connector.

Type: Array of CredentialsProviderConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 1 item.

Required: No

description

The updated description of the payment connector.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: `[^\p{C}]*`

Required: No

type

The updated type of the payment connector.

Type: String

Valid Values: `CoinbaseCDP | StripePrivy`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "authorizationUrl": "string",
   "credentialProviderConfigurations": [
      { ... }
   ],
   "lastUpdatedAt": "string",
   "name": "string",
   "paymentConnectorId": "string",
   "paymentManagerId": "string",
   "status": "string",
   "type": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

authorizationUrl

The URL that the user must open to complete OAuth consent. This field is only present when the payment connector status is `PENDING_AUTHENTICATION`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: `https://[^\p{C}]*`

credentialProviderConfigurations

The credential provider configurations for the updated payment connector.

Type: Array of CredentialsProviderConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 1 item.

lastUpdatedAt

The timestamp when the payment connector was last updated.

Type: Timestamp

name

The name of the updated payment connector.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

paymentConnectorId

The unique identifier of the updated payment connector.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z_][-]?){1,100}-[0-9a-z]{10}`

paymentManagerId

The unique identifier of the parent payment manager.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

status

The current status of the updated payment connector. Possible values include `CREATING`, `READY`, `UPDATING`, `DELETING`, `CREATE_FAILED`, `UPDATE_FAILED`, and `DELETE_FAILED`.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | READY | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED | AWS_MARKETPLACE_SUBSCRIPTION_REQUIRED | PENDING_AUTHENTICATION | PROVISIONING | AUTHENTICATION_EXPIRED | AUTHENTICATION_FAILED`

type

The type of the updated payment connector.

Type: String

Valid Values: `CoinbaseCDP | StripePrivy`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

SubscriptionRequiredException

The request failed because it requires an active Amazon Marketplace subscription that is not present. Subscribe to the required product in Amazon Marketplace and try again.

HTTP Status Code: 403

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdatePaymentCredentialProvider

Updates an existing payment credential provider with new authentication credentials.

Request Syntax

```
POST /identities/UpdatePaymentCredentialProvider HTTP/1.1
Content-type: application/json

{
   "credentialProviderVendor": "string",
   "name": "string",
   "providerConfigurationInput": { ... }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

credentialProviderVendor

The vendor type for the payment credential provider (e.g., CoinbaseCDP, StripePrivy).

Type: String

Valid Values: `CoinbaseCDP | StripePrivy`

Required: Yes

name

The name of the payment credential provider to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

providerConfigurationInput

Configuration specific to the vendor, including API credentials.

Type: PaymentProviderConfigurationInput object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdTime": number,
   "credentialProviderArn": "string",
   "credentialProviderVendor": "string",
   "lastUpdatedTime": number,
   "name": "string",
   "providerConfigurationOutput": { ... }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdTime

The timestamp when the payment credential provider was created.

Type: Timestamp

credentialProviderArn

The Amazon Resource Name (ARN) of the updated payment credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/paymentcredentialprovider/[a-zA-Z0-9-.]+`

credentialProviderVendor

The vendor type for the updated payment credential provider.

Type: String

Valid Values: `CoinbaseCDP | StripePrivy`

lastUpdatedTime

The timestamp when the payment credential provider was last updated.

Type: Timestamp

name

The name of the updated payment credential provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

providerConfigurationOutput

Output configuration (contains secret ARNs, excludes actual secret values).

Type: PaymentProviderConfigurationOutput object

Note: This object is a Union. Only one member of this object can be specified or returned.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

DecryptionFailure

Exception thrown when decryption of a secret fails.

HTTP Status Code: 400

EncryptionFailure

Exception thrown when encryption of a secret fails.

HTTP Status Code: 400

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdatePaymentManager

Updates an existing payment manager. This operation uses PATCH semantics, so you only need to specify the fields you want to change.

Request Syntax

```
PATCH /payments/managers/paymentManagerId HTTP/1.1
Content-type: application/json

{
   "authorizerConfiguration": { ... },
   "authorizerType": "string",
   "clientToken": "string",
   "description": "string",
   "kmsKeyArn": "string",
   "roleArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

paymentManagerId

The unique identifier of the payment manager to update.

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

authorizerConfiguration

The updated authorizer configuration for the payment manager.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

authorizerType

The updated authorizer type for the payment manager.

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM`

Required: No

clientToken

A unique, case-sensitive identifier to ensure that the API request completes no more than one time. If you don't specify this field, a value is randomly generated for you. If this token matches a previous request, the service ignores the request, but doesn't return an error. For more information, see Ensuring idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

The updated description of the payment manager.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: `[^\p{C}]*`

Required: No

kmsKeyArn

The updated Amazon Resource Name (ARN) of the customer managed Amazon KMS key used to encrypt sensitive payment manager data at rest.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

roleArn

The updated Amazon Resource Name (ARN) of the IAM role for the payment manager.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "authorizerType": "string",
   "kmsKeyArn": "string",
   "lastUpdatedAt": "string",
   "name": "string",
   "paymentManagerArn": "string",
   "paymentManagerId": "string",
   "roleArn": "string",
   "status": "string",
   "workloadIdentityDetails": {
      "workloadIdentityArn": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

authorizerType

The type of authorizer for the updated payment manager.

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM`

kmsKeyArn

The Amazon Resource Name (ARN) of the Amazon KMS key used to encrypt sensitive payment manager data at rest, if configured.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

lastUpdatedAt

The timestamp when the payment manager was last updated.

Type: Timestamp

name

The name of the updated payment manager.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9]{0,47}`

paymentManagerArn

The Amazon Resource Name (ARN) of the updated payment manager.

Type: String

Length Constraints: Minimum length of 66. Maximum length of 2048.

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:payment-manager/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

paymentManagerId

The unique identifier of the updated payment manager.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

roleArn

The Amazon Resource Name (ARN) of the IAM role associated with the updated payment manager.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

status

The current status of the updated payment manager. Possible values include `CREATING`, `READY`, `UPDATING`, `DELETING`, `CREATE_FAILED`, `UPDATE_FAILED`, and `DELETE_FAILED`.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | READY | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

workloadIdentityDetails

The information about the workload identity.

Type: WorkloadIdentityDetails object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdatePolicy

Updates an existing policy within the AgentCore Policy system. This operation allows modification of the policy description and definition while maintaining the policy's identity. The updated policy is validated against the Cedar schema before being applied. This is an asynchronous operation. Use the `GetPolicy` operation to poll the `status` field to track completion.

If the updated policy is a temporal policy, the policy engine invalidates all active temporal sessions. If the update adds or removes temporal operators, the policy engine also invalidates active temporal sessions. For more information about temporal policy sessions, see session-based temporal policies. The policy engine returns an HTTP 409 `ConflictException` to in-flight sessions. To resume, you must start a new session with a new session ID.

Request Syntax

```
PATCH /policy-engines/policyEngineId/policies/policyId HTTP/1.1
Content-type: application/json

{
   "definition": { ... },
   "description": {
      "optionalValue": "string"
   },
   "enforcementMode": "string",
   "validationMode": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

policyEngineId

The identifier of the policy engine that manages the policy to be updated. This ensures the policy is updated within the correct policy engine context.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

policyId

The unique identifier of the policy to be updated. This must be a valid policy ID that exists within the specified policy engine.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

definition

The new Cedar or Dogwood policy statement that defines the access control rules. This replaces the existing policy definition with new logic while maintaining the policy's identity.

Type: PolicyDefinition object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

description

The new human-readable description for the policy. This optional field allows updating the policy's documentation while keeping the same policy logic.

Type: UpdatedDescription object

Required: No

enforcementMode

The enforcement mode for the policy. Run this policy in `LOG_ONLY` mode to collect data on how it affects your application. Once you are satisfied with the data gathered, switch the policy to `ACTIVE`. If you omit this field, the policy's existing enforcement mode is unchanged.

Type: String

Valid Values: `ACTIVE | LOG_ONLY`

Required: No

validationMode

The validation mode for the policy update. Determines how Cedar analyzer validation results are handled during policy updates. FAIL_ON_ANY_FINDINGS runs the Cedar analyzer and fails the update if validation issues are detected, ensuring the policy conforms to the Cedar schema and tool context. IGNORE_ALL_FINDINGS runs the Cedar analyzer but allows updates despite validation warnings. Use FAIL_ON_ANY_FINDINGS to ensure policy correctness during updates, especially when modifying policy logic or conditions.

Type: String

Valid Values: `FAIL_ON_ANY_FINDINGS | IGNORE_ALL_FINDINGS`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "createdAt": "string",
   "definition": { ... },
   "description": "string",
   "enforcementMode": "string",
   "name": "string",
   "policyArn": "string",
   "policyEngineId": "string",
   "policyId": "string",
   "status": "string",
   "statusReasons": [ "string" ],
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

createdAt

The original creation timestamp of the policy.

Type: Timestamp

definition

The updated Cedar or Dogwood policy statement.

Type: PolicyDefinition object

Note: This object is a Union. Only one member of this object can be specified or returned.

description

The updated description of the policy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

enforcementMode

The current enforcement mode of the updated policy.

Type: String

Valid Values: `ACTIVE | LOG_ONLY`

name

The name of the updated policy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

policyArn

The ARN of the updated policy.

Type: String

Length Constraints: Minimum length of 96. Maximum length of 203.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}/policy/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

policyEngineId

The identifier of the policy engine managing the updated policy.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

policyId

The unique identifier of the updated policy.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

status

The current status of the updated policy.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

statusReasons

Additional information about the update status.

Type: Array of strings

updatedAt

The timestamp when the policy was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdatePolicyEngine

Updates an existing policy engine within the AgentCore Policy system. This operation allows modification of the policy engine description while maintaining its identity. This is an asynchronous operation. Use the `GetPolicyEngine` operation to poll the `status` field to track completion.

Request Syntax

```
PATCH /policy-engines/policyEngineId HTTP/1.1
Content-type: application/json

{
   "description": {
      "optionalValue": "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

policyEngineId

The unique identifier of the policy engine to be updated.

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

description

The new description for the policy engine.

Type: UpdatedDescription object

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "createdAt": "string",
   "description": "string",
   "encryptionKeyArn": "string",
   "name": "string",
   "policyEngineArn": "string",
   "policyEngineId": "string",
   "status": "string",
   "statusReasons": [ "string" ],
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

createdAt

The original creation timestamp of the policy engine.

Type: Timestamp

description

The updated description of the policy engine.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

encryptionKeyArn

The Amazon Resource Name (ARN) of the Amazon KMS key used to encrypt the policy engine data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

name

The name of the updated policy engine.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

policyEngineArn

The ARN of the updated policy engine.

Type: String

Length Constraints: Minimum length of 76. Maximum length of 136.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

policyEngineId

The unique identifier of the updated policy engine.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

status

The current status of the updated policy engine.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

statusReasons

Additional information about the update status.

Type: Array of strings

updatedAt

The timestamp when the policy engine was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateRegistry

Updates an existing registry. This operation uses PATCH semantics, so you only need to specify the fields you want to change.

Request Syntax

```
PATCH /registries/registryId HTTP/1.1
Content-type: application/json

{
   "approvalConfiguration": {
      "optionalValue": {
         "autoApproval": boolean
      }
   },
   "authorizerConfiguration": {
      "optionalValue": { ... }
   },
   "description": {
      "optionalValue": "string"
   },
   "name": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

registryId

The identifier of the registry to update. You can specify either the Amazon Resource Name (ARN) or the ID of the registry.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

approvalConfiguration

The updated approval configuration for registry records. The updated configuration only affects new records that move to `PENDING_APPROVAL` status after the change. Existing records already in `PENDING_APPROVAL` status are not affected.

Type: UpdatedApprovalConfiguration object

Required: No

authorizerConfiguration

The updated authorizer configuration for the registry. Changing the authorizer configuration can break existing consumers of the registry who are using the authorization type prior to the update.

Type: UpdatedAuthorizerConfiguration object

Required: No

description

The updated description of the registry. To clear the description, include the `UpdatedDescription` wrapper with `optionalValue` not specified.

Type: UpdatedDescription object

Required: No

name

The updated name of the registry.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "approvalConfiguration": {
      "autoApproval": boolean
   },
   "authorizerConfiguration": { ... },
   "authorizerType": "string",
   "createdAt": "string",
   "description": "string",
   "name": "string",
   "registryArn": "string",
   "registryId": "string",
   "status": "string",
   "statusReason": "string",
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

approvalConfiguration

The approval configuration for the updated registry. For details, see the `ApprovalConfiguration` data type.

Type: ApprovalConfiguration object

authorizerConfiguration

The authorizer configuration for the updated registry. For details, see the `AuthorizerConfiguration` data type.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

authorizerType

The type of authorizer used by the updated registry. This controls the authorization method for the Search and Invoke APIs used by consumers.

- `CUSTOM_JWT` - Authorize with a bearer token.
- `AWS_IAM` - Authorize with your Amazon IAM credentials.

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM`

createdAt

The timestamp when the registry was created.

Type: Timestamp

description

The description of the updated registry.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

name

The name of the updated registry.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

registryArn

The Amazon Resource Name (ARN) of the updated registry.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

registryId

The unique identifier of the updated registry.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 16.

Pattern: `[a-zA-Z0-9]{12,16}`

status

The current status of the updated registry. Possible values include `CREATING`, `READY`, `UPDATING`, `CREATE_FAILED`, `UPDATE_FAILED`, `DELETING`, and `DELETE_FAILED`.

Type: String

Valid Values: `CREATING | READY | UPDATING | CREATE_FAILED | UPDATE_FAILED | DELETING | DELETE_FAILED`

statusReason

The reason for the current status of the updated registry.

Type: String

updatedAt

The timestamp when the registry was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ServiceQuotaExceededException

This exception is thrown when a request is made beyond the service quota

HTTP Status Code: 402

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateRegistryRecord

Updates an existing registry record. This operation uses PATCH semantics, so you only need to specify the fields you want to change. The update is processed asynchronously and returns HTTP 202 Accepted.

Request Syntax

```
PATCH /registries/registryId/records/recordId HTTP/1.1
Content-type: application/json

{
   "description": {
      "optionalValue": "string"
   },
   "descriptors": {
      "optionalValue": {
         "a2a": {
            "optionalValue": {
               "agentCard": {
                  "inlineContent": "string",
                  "schemaVersion": "string"
               }
            }
         },
         "agentSkills": {
            "optionalValue": {
               "skillDefinition": {
                  "optionalValue": {
                     "inlineContent": "string",
                     "schemaVersion": "string"
                  }
               },
               "skillMd": {
                  "optionalValue": {
                     "inlineContent": "string"
                  }
               }
            }
         },
         "custom": {
            "optionalValue": {
```

```
                "inlineContent": "string"
             }
          },
          "mcp": {
             "optionalValue": {
                "server": {
                   "optionalValue": {
                      "inlineContent": "string",
                      "schemaVersion": "string"
                   }
                },
                "tools": {
                   "optionalValue": {
                      "inlineContent": "string",
                      "protocolVersion": "string"
                   }
                }
             }
          }
       }
    },
    "descriptorType": "string",
    "name": "string",
    "recordVersion": "string",
    "synchronizationConfiguration": {
       "optionalValue": {
          "fromUrl": {
             "credentialProviderConfigurations": [
                {
                   "credentialProvider": { ... },
                   "credentialProviderType": "string"
                }
             ],
             "url": "string"
          }
       }
    },
    "synchronizationType": {
       "optionalValue": "string"
    },
    "triggerSynchronization": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

recordId

The identifier of the registry record to update. You can specify either the Amazon Resource Name (ARN) or the ID of the record.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/)?[a-zA-Z0-9]{12}`

Required: Yes

registryId

The identifier of the registry containing the record. You can specify either the Amazon Resource Name (ARN) or the ID of the registry.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

description

The updated description for the registry record. To clear the description, include the `UpdatedDescription` wrapper with `optionalValue` not specified.

Type: UpdatedDescription object

Required: No

descriptors

The updated descriptor-type-specific configuration containing the resource schema and metadata. Uses PATCH semantics where individual descriptor fields can be updated independently.

Type: UpdatedDescriptors object

Required: No

descriptorType

The updated descriptor type for the registry record. Changing the descriptor type may require updating the `descriptors` field to match the new type's schema requirements.

Type: String

Valid Values: `MCP | A2A | CUSTOM | AGENT_SKILLS`

Required: No

name

The updated name for the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

Required: No

recordVersion

The version of the registry record for optimistic locking. If provided, it must match the current version of the record. The service automatically increments the version after a successful update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9.-]+`

Required: No

synchronizationConfiguration

The updated synchronization configuration for the registry record.

Type: UpdatedSynchronizationConfiguration object

Required: No

synchronizationType

The updated synchronization type for the registry record.

Type: UpdatedSynchronizationType object

Required: No

triggerSynchronization

Whether to trigger synchronization using the stored or provided configuration. When set to `true`, the service will synchronize the record metadata from the configured external source.

Type: Boolean

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "createdAt": "string",
   "description": "string",
   "descriptors": {
      "a2a": {
         "agentCard": {
            "inlineContent": "string",
            "schemaVersion": "string"
         }
      },
      "agentSkills": {
         "skillDefinition": {
            "inlineContent": "string",
            "schemaVersion": "string"
         },
```

```
            "skillMd": {
               "inlineContent": "string"
            }
         },
         "custom": {
            "inlineContent": "string"
         },
         "mcp": {
            "server": {
               "inlineContent": "string",
               "schemaVersion": "string"
            },
            "tools": {
               "inlineContent": "string",
               "protocolVersion": "string"
            }
         }
      },
      "descriptorType": "string",
      "name": "string",
      "recordArn": "string",
      "recordId": "string",
      "recordVersion": "string",
      "registryArn": "string",
      "status": "string",
      "statusReason": "string",
      "synchronizationConfiguration": {
         "fromUrl": {
            "credentialProviderConfigurations": [
               {
                  "credentialProvider": { ... },
                  "credentialProviderType": "string"
               }
            ],
            "url": "string"
         }
      },
      "synchronizationType": "string",
      "updatedAt": "string"
   }
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

createdAt

The timestamp when the registry record was created.

Type: Timestamp

description

The description of the updated registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

descriptors

The descriptor-type-specific configuration of the updated registry record. For details, see the `Descriptors` data type.

Type: Descriptors object

descriptorType

The descriptor type of the updated registry record. Possible values are `MCP`, `A2A`, `CUSTOM`, and `AGENT_SKILLS`.

Type: String

Valid Values: `MCP | A2A | CUSTOM | AGENT_SKILLS`

name

The name of the updated registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

recordArn

The Amazon Resource Name (ARN) of the updated registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/[a-zA-Z0-9]{12}`

recordId

The unique identifier of the updated registry record.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[a-zA-Z0-9]{12}`

recordVersion

The version of the updated registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9.-]+`

registryArn

The Amazon Resource Name (ARN) of the registry that contains the updated record.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

status

The current status of the updated registry record. Possible values include `CREATING`, `DRAFT`, `APPROVED`, `PENDING_APPROVAL`, `REJECTED`, `DEPRECATED`, `UPDATING`, `CREATE_FAILED`, and `UPDATE_FAILED`.

Type: String

Valid Values: `DRAFT | PENDING_APPROVAL | APPROVED | REJECTED | DEPRECATED | CREATING | UPDATING | CREATE_FAILED | UPDATE_FAILED`

statusReason

The reason for the current status of the updated registry record.

Type: String

synchronizationConfiguration

The synchronization configuration of the updated registry record.

Type: SynchronizationConfiguration object

synchronizationType

The synchronization type of the updated registry record.

Type: String

Valid Values: `URL`

updatedAt

The timestamp when the registry record was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateRegistryRecordStatus

Updates the status of a registry record. Use this operation to approve, reject, or deprecate a registry record.

Request Syntax

```
PATCH /registries/registryId/records/recordId/status HTTP/1.1
Content-type: application/json

{
   "status": "string",
   "statusReason": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

recordId

The identifier of the registry record to update the status for. You can specify either the Amazon Resource Name (ARN) or the ID of the record.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/)?[a-zA-Z0-9]{12}`

Required: Yes

registryId

The identifier of the registry containing the record. You can specify either the Amazon Resource Name (ARN) or the ID of the registry.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/)?[a-zA-Z0-9]{12,16}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

status

The target status for the registry record.

Type: String

Valid Values: `DRAFT | PENDING_APPROVAL | APPROVED | REJECTED | DEPRECATED | CREATING | UPDATING | CREATE_FAILED | UPDATE_FAILED`

Required: Yes

statusReason

The reason for the status change, such as why the record was approved or rejected.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "recordArn": "string",
   "recordId": "string",
   "registryArn": "string",
   "status": "string",
   "statusReason": "string",
   "updatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

recordArn

The Amazon Resource Name (ARN) of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/[a-zA-Z0-9]{12}`

recordId

The unique identifier of the registry record.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[a-zA-Z0-9]{12}`

registryArn

The Amazon Resource Name (ARN) of the registry that contains the record.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

status

The resulting status of the registry record.

Type: String

Valid Values: `DRAFT | PENDING_APPROVAL | APPROVED | REJECTED | DEPRECATED | CREATING | UPDATING | CREATE_FAILED | UPDATE_FAILED`

statusReason

The reason for the status change.

Type: String

updatedAt

The timestamp when the record was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

ConflictException

This exception is thrown when there is a conflict performing an operation

HTTP Status Code: 409

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

UpdateWorkloadIdentity

Updates an existing workload identity.

Request Syntax

```
POST /identities/UpdateWorkloadIdentity HTTP/1.1
Content-type: application/json

{
   "allowedResourceOauth2ReturnUrls": [ "string" ],
   "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

allowedResourceOauth2ReturnUrls

The new list of allowed OAuth2 return URLs for resources associated with this workload identity. This list replaces the existing list.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\w+:(\/?\/?)[^\s]+`

Required: No

name

The name of the workload identity to update.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 255.

Pattern: `[A-Za-z0-9_.-]+`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "allowedResourceOauth2ReturnUrls": [ "string" ],
   "createdTime": number,
   "lastUpdatedTime": number,
   "name": "string",
   "workloadIdentityArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

allowedResourceOauth2ReturnUrls

The list of allowed OAuth2 return URLs for resources associated with this workload identity.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\w+:(\/?\/?)[^\s]+`

createdTime

The timestamp when the workload identity was created.

Type: Timestamp

lastUpdatedTime

The timestamp when the workload identity was last updated.

Type: Timestamp

name

The name of the workload identity.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 255.

Pattern: `[A-Za-z0-9_.-]+`

workloadIdentityArn

The Amazon Resource Name (ARN) of the workload identity.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

This exception is thrown when a request is denied per access permissions

HTTP Status Code: 403

InternalServerException

This exception is thrown if there was an unexpected error during processing of request

HTTP Status Code: 500

ResourceNotFoundException

This exception is thrown when a resource referenced by the operation does not exist

HTTP Status Code: 404

ThrottlingException

This exception is thrown when the number of requests exceeds the limit

HTTP Status Code: 429

UnauthorizedException

This exception is thrown when the JWT bearer token is invalid or not found for OAuth bearer token based access

HTTP Status Code: 401

ValidationException

The input fails to satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface V2
- Amazon SDK for .NET V4
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python (Boto3)
- Amazon SDK for Ruby V3

Data Types

The Amazon Bedrock AgentCore Control API contains several data types that various actions use. This section describes each data type in detail.

> **Note**
>
> The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- A2aDescriptor
- Action
- AgentCardDefinition
- AgentRuntime
- AgentRuntimeArtifact
- AgentRuntimeEndpoint
- AgentRuntimeVersionSummary
- AgentSkillsDescriptor
- AllowedWorkloadConfiguration
- ApiGatewayTargetConfiguration
- ApiGatewayToolConfiguration
- ApiGatewayToolFilter
- ApiGatewayToolOverride
- ApiKeyCredentialProvider
- ApiKeyCredentialProviderItem
- ApiSchemaConfiguration
- ApprovalConfiguration
- AtlassianOauth2ProviderConfigInput
- AtlassianOauth2ProviderConfigOutput
- AuthorizationData

- AuthorizerConfiguration
- AuthorizingClaimMatchValueType
- BatchPutLimitEntry
- BedrockEvaluatorModelConfig
- BrowserEnterprisePolicy
- BrowserNetworkConfiguration
- BrowserProfileSummary
- BrowserSigningConfigInput
- BrowserSigningConfigOutput
- BrowserSummary
- CapacityProviderConfiguration
- CapacityProviderSummary
- CapacityProviderVolumeConfiguration
- CapacityReservationSpecification
- CapacityReservationTarget
- CategoricalScaleDefinition
- CedarPolicy
- Certificate
- CertificateLocation
- ClaimMatchValueType
- CloudWatchLogsInputConfig
- CloudWatchOutputConfig
- ClusteringConfig
- Code
- CodeBasedEvaluatorConfig
- CodeConfiguration
- CodeInterpreterNetworkConfiguration
- CodeInterpreterSummary
- CoinbaseCdpConfigurationInput
- CoinbaseCdpConfigurationOutput

- CoinbaseCdpRotationTargets
- ComponentConfiguration
- ComputeConfiguration
- Condition
- ConfigurationBundleAction
- ConfigurationBundleReference
- ConfigurationBundleSummary
- ConfigurationBundleVersionSummary
- ConnectorConfiguration
- ConnectorParameterOverride
- ConnectorSource
- ConnectorTargetConfiguration
- ConsentPortalIdpConfig
- ConsentPortalSource
- ConsentPortalSummary
- ConsolidationConfiguration
- ContainerConfiguration
- Content
- ContentConfiguration
- CredentialProvider
- CredentialProviderConfiguration
- CredentialRotationConfig
- CredentialsProviderConfiguration
- CustomClaimValidationType
- CustomConfigurationInput
- CustomConsolidationConfiguration
- CustomConsolidationConfigurationInput
- CustomDescriptor
- CustomExtractionConfiguration
- CustomExtractionConfigurationInput

- CustomJWTAuthorizerConfiguration
- CustomMemoryStrategyInput
- CustomOauth2ProviderConfigInput
- CustomOauth2ProviderConfigOutput
- CustomReflectionConfiguration
- CustomReflectionConfigurationInput
- CustomTransformConfiguration
- DatasetSummary
- DatasetVersionSummary
- DataSourceConfig
- DataSourceType
- DeleteMemoryStrategyInput
- DerivedEvaluatorConfig
- Descriptors
- EbsVolumeConfiguration
- Ec2Configuration
- EfsAccessPointConfiguration
- EfsConfiguration
- EphemeralBlockDeviceMapping
- EphemeralEBSVolumeConfiguration
- EpisodicConsolidationOverride
- EpisodicExtractionOverride
- EpisodicMemoryStrategyInput
- EpisodicOverrideConfigurationInput
- EpisodicOverrideConsolidationConfigurationInput
- EpisodicOverrideExtractionConfigurationInput
- EpisodicOverrideReflectionConfigurationInput
- EpisodicReflectionConfiguration
- EpisodicReflectionConfigurationInput
- EpisodicReflectionOverride

- EvaluatorConfig
- EvaluatorModelConfig
- EvaluatorReference
- EvaluatorSummary
- ExtractionConfig
- ExtractionConfiguration
- FilesystemConfiguration
- Filter
- FilterValue
- Finding
- FromUrlSynchronizationConfiguration
- GatewayInterceptorConfiguration
- GatewayPolicyEngineConfiguration
- GatewayProtocolConfiguration
- GatewayRateLimitDetail
- GatewayRuleDetail
- GatewaySummary
- GatewayTarget
- GithubOauth2ProviderConfigInput
- GithubOauth2ProviderConfigOutput
- GoogleOauth2ProviderConfigInput
- GoogleOauth2ProviderConfigOutput
- Harness
- HarnessAfterInvocationHook
- HarnessAfterToolCallHook
- HarnessAgentCoreBrowserConfig
- HarnessAgentCoreCodeInterpreterConfig
- HarnessAgentCoreGatewayConfig
- HarnessAgentCoreMemoryConfiguration
- HarnessAgentCoreMemoryRetrievalConfig

- HarnessAgentCoreRuntimeEnvironment
- HarnessAgentCoreRuntimeEnvironmentRequest
- HarnessBedrockModelConfig
- HarnessBeforeInvocationHook
- HarnessBeforeToolCallHook
- HarnessDisabledMemoryConfiguration
- HarnessEndpoint
- HarnessEnvironmentArtifact
- HarnessEnvironmentProvider
- HarnessEnvironmentProviderRequest
- HarnessGatewayOutboundAuth
- HarnessGeminiModelConfig
- HarnessHook
- HarnessHookEventBridgeTarget
- HarnessHookLambdaTarget
- HarnessHookSnsTarget
- HarnessHookTarget
- HarnessInlineFunctionConfig
- HarnessLiteLlmModelConfig
- HarnessManagedMemoryConfiguration
- HarnessMemoryConfiguration
- HarnessModelConfiguration
- HarnessOpenAiModelConfig
- HarnessRemoteMcpConfig
- HarnessSkill
- HarnessSkillAwsSkillsSource
- HarnessSkillGitAuth
- HarnessSkillGitSource
- HarnessSkillS3Source
- HarnessSlidingWindowConfiguration

- HarnessSummarizationConfiguration
- HarnessSummary
- HarnessSystemContentBlock
- HarnessTool
- HarnessToolConfiguration
- HarnessTruncationConfiguration
- HarnessTruncationStrategyConfiguration
- HarnessVersionSummary
- HostingEnvironment
- HttpApiSchemaConfiguration
- HttpConnectorSource
- HttpConnectorTargetConfiguration
- HttpTargetConfiguration
- IamCredentialProvider
- IamPrincipal
- IncludedOauth2ProviderConfigInput
- IncludedOauth2ProviderConfigOutput
- IndexedKey
- InferenceConfiguration
- InferenceConnectorSource
- InferenceConnectorTargetConfiguration
- InferenceOperationConfiguration
- InferenceProviderTargetConfiguration
- InferenceTargetConfiguration
- InlineExamplesSource
- Insight
- InstanceLifecycleConfiguration
- InstanceRequirements
- InterceptorConfiguration
- InterceptorInputConfiguration

- InterceptorPayloadExclusionSelector
- InterceptorPayloadFilter
- InvocationConfiguration
- InvocationConfigurationInput
- KinesisResource
- KmsConfiguration
- KmsKeySourceType
- LambdaEvaluatorConfig
- LambdaInterceptorConfiguration
- LambdaTransformConfiguration
- LaunchParameters
- LaunchTemplateSource
- LicenseSpecification
- LifecycleConfiguration
- LimitEntry
- LinkedinOauth2ProviderConfigInput
- LinkedinOauth2ProviderConfigOutput
- LlmAsAJudgeEvaluatorConfig
- LlmExtractionConfig
- ManagedResourceDetails
- ManagedVpcResource
- MatchPaths
- MatchPrincipalEntry
- MatchPrincipals
- McpDescriptor
- MCPGatewayConfiguration
- McpLambdaTargetConfiguration
- McpServerTargetConfiguration
- McpTargetConfiguration
- McpToolSchemaConfiguration

- Memory
- MemoryRecordSchema
- MemoryStrategy
- MemoryStrategyInput
- MemorySummary
- MessageBasedTrigger
- MessageBasedTriggerInput
- MetadataConfiguration
- MetadataSchemaEntry
- MicrosoftOauth2ProviderConfigInput
- MicrosoftOauth2ProviderConfigOutput
- ModelEntry
- ModelMapping
- ModifyConsolidationConfiguration
- ModifyExtractionConfiguration
- ModifyInvocationConfigurationInput
- ModifyMemoryStrategies
- ModifyMemoryStrategyInput
- ModifyReflectionConfiguration
- ModifySelfManagedConfiguration
- ModifyStrategyConfiguration
- NamespaceKeyEntry
- NamespaceKeyValidation
- NetworkConfiguration
- NumberValidation
- NumericalScaleDefinition
- OAuth2AuthorizationData
- Oauth2AuthorizationServerMetadata
- Oauth2CredentialProviderItem
- Oauth2Discovery

- Oauth2ProviderConfigInput
- Oauth2ProviderConfigOutput
- OAuthCredentialProvider
- OnBehalfOfTokenExchangeConfigType
- OnlineEvaluationConfigSummary
- OpenResponsesEvaluatorModelConfig
- OutputConfig
- PassthroughTargetConfiguration
- PaymentConnectorSummary
- PaymentCredentialProviderConfiguration
- PaymentCredentialProviderItem
- PaymentManagerSummary
- PaymentProviderConfigurationInput
- PaymentProviderConfigurationOutput
- PermissionsConfiguration
- Policy
- PolicyDefinition
- PolicyEngine
- PolicyEngineSummary
- PolicyGeneration
- PolicyGenerationAsset
- PolicyGenerationDetails
- PolicyGenerationSummary
- PolicyStatement
- PolicySummary
- PrivateEndpoint
- PrivateEndpointOverride
- PrivateKeyJwtConfig
- PrivateKeySource
- ProtocolConfiguration

- ProviderPrefix
- RateConfig
- RatingScale
- ReasoningConfiguration
- RecordingConfig
- ReflectionConfiguration
- RegistryRecordCredentialProviderConfiguration
- RegistryRecordCredentialProviderUnion
- RegistryRecordIamCredentialProvider
- RegistryRecordOAuthCredentialProvider
- RegistryRecordSummary
- RegistrySummary
- RequestHeaderConfiguration
- Resource
- ResourceLocation
- RootVolumeConfiguration
- RouteToTargetAction
- Rule
- RuntimeMetadataConfiguration
- RuntimeTargetConfiguration
- S3Configuration
- S3FilesAccessPointConfiguration
- S3FilesConfiguration
- S3Location
- S3Source
- SalesforceOauth2ProviderConfigInput
- SalesforceOauth2ProviderConfigOutput
- SamplingConfig
- SchemaDefinition
- Secret

- SecretReference
- SecretsManagerLocation
- SelfManagedConfiguration
- SelfManagedConfigurationInput
- SelfManagedLatticeResource
- SemanticConsolidationOverride
- SemanticExtractionOverride
- SemanticMemoryStrategyInput
- SemanticOverrideConfigurationInput
- SemanticOverrideConsolidationConfigurationInput
- SemanticOverrideExtractionConfigurationInput
- ServerDefinition
- SessionConfig
- SessionConfiguration
- SessionStorageConfiguration
- SkillDefinition
- SkillMdDefinition
- SlackOauth2ProviderConfigInput
- SlackOauth2ProviderConfigOutput
- StaticOverride
- StaticRoute
- StickinessConfiguration
- StrategyConfiguration
- StreamDeliveryResource
- StreamDeliveryResources
- StreamingConfiguration
- StringListValidation
- StringValidation
- StripePrivyConfigurationInput
- StripePrivyConfigurationOutput

- SummaryConsolidationOverride
- SummaryMemoryStrategyInput
- SummaryOverrideConfigurationInput
- SummaryOverrideConsolidationConfigurationInput
- SynchronizationConfiguration
- SystemManagedBlock
- TargetConfiguration
- TargetSummary
- TargetTrafficSplitEntry
- TimeBasedTrigger
- TimeBasedTriggerInput
- TokenBasedTrigger
- TokenBasedTriggerInput
- TokenExchangeGrantTypeConfigType
- ToolDefinition
- ToolSchema
- ToolsDefinition
- ToolsFileSystemConfiguration
- TrafficSplitEntry
- TriggerCondition
- TriggerConditionInput
- UpdatedA2aDescriptor
- UpdatedAgentSkillsDescriptor
- UpdatedAgentSkillsDescriptorFields
- UpdatedApprovalConfiguration
- UpdatedAuthorizerConfiguration
- UpdatedCustomDescriptor
- UpdatedDescription
- UpdatedDescriptors
- UpdatedDescriptorsUnion

- UpdatedHarnessEnvironmentArtifact
- UpdatedHarnessMemoryConfiguration
- UpdatedMcpDescriptor
- UpdatedMcpDescriptorFields
- UpdatedServerDefinition
- UpdatedSkillDefinition
- UpdatedSkillMdDefinition
- UpdatedSynchronizationConfiguration
- UpdatedSynchronizationType
- UpdatedToolsDefinition
- UserPreferenceConsolidationOverride
- UserPreferenceExtractionOverride
- UserPreferenceMemoryStrategyInput
- UserPreferenceOverrideConfigurationInput
- UserPreferenceOverrideConsolidationConfigurationInput
- UserPreferenceOverrideExtractionConfigurationInput
- Validation
- ValidationExceptionField
- VersionCreatedBySource
- VersionFilter
- VersionLineageMetadata
- VolumeConfiguration
- VpcConfig
- VpcConfiguration
- WafConfiguration
- WeightedOverride
- WeightedRoute
- WorkloadIdentityDetails
- WorkloadIdentityType

A2aDescriptor

The Agent-to-Agent (A2A) protocol descriptor for a registry record. Contains the agent card definition as defined by the A2A protocol specification.

Contents

agentCard

The agent card definition for the A2A agent, as defined by the A2A protocol specification.

Type: AgentCardDefinition object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Action

An action to take when a gateway rule's conditions are met.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

configurationBundle

An action that applies a configuration bundle override to the request.

Type: ConfigurationBundleAction object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

routeToTarget

An action that routes the request to a specific target.

Type: RouteToTargetAction object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AgentCardDefinition

The agent card definition for an A2A descriptor. Contains the schema version and inline content for the agent card.

Contents

inlineContent

The JSON content containing the A2A agent card definition, conforming to the A2A protocol specification.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 102400.

Required: No

schemaVersion

The schema version of the agent card based on the A2A protocol specification.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AgentRuntime

Contains information about an agent runtime. An agent runtime is the execution environment for a Amazon Bedrock AgentCore Agent.

Contents

agentRuntimeArn

The Amazon Resource Name (ARN) of the agent runtime.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:runtime/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

Required: Yes

agentRuntimeId

The unique identifier of the agent runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

agentRuntimeName

The name of the agent runtime.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

agentRuntimeVersion

The version of the agent runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Required: Yes

description

The description of the agent runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

lastUpdatedAt

The timestamp when the agent runtime was last updated.

Type: Timestamp

Required: Yes

status

The current status of the agent runtime.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AgentRuntimeArtifact

The artifact of the agent.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

codeConfiguration

The code configuration for the agent runtime artifact, including the source code location and execution settings.

Type: CodeConfiguration object

Required: No

containerConfiguration

The container configuration for the agent artifact.

Type: ContainerConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AgentRuntimeEndpoint

Contains information about an agent runtime endpoint. An endpoint provides a way to connect to and interact with an agent runtime.

Contents

agentRuntimeArn

The Amazon Resource Name (ARN) of the agent runtime associated with the endpoint.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:runtime/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

Required: Yes

agentRuntimeEndpointArn

The Amazon Resource Name (ARN) of the agent runtime endpoint.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:runtime/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}/runtime-endpoint/[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

createdAt

The timestamp when the agent runtime endpoint was created.

Type: Timestamp

Required: Yes

id

The unique identifier of the agent runtime endpoint.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

lastUpdatedAt

The timestamp when the agent runtime endpoint was last updated.

Type: Timestamp

Required: Yes

name

The name of the agent runtime endpoint.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

status

The current status of the agent runtime endpoint.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

Required: Yes

description

The description of the agent runtime endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

liveVersion

The live version of the agent runtime endpoint. This is the version that is currently serving requests.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Required: No

targetVersion

The target version of the agent runtime endpoint. This is the version that the endpoint is being updated to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AgentRuntimeVersionSummary

Summary information about an agent runtime version associated with a capacity provider. This is returned by `ListAgentRuntimeVersionsByCapacityProvider`.

Contents

agentRuntimeArn

The Amazon Resource Name (ARN) of the agent runtime.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:runtime/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

Required: Yes

agentRuntimeVersion

The version of the agent runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Required: Yes

status

The current status of the agent runtime version.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AgentSkillsDescriptor

The agent skills descriptor for a registry record. Contains an optional skill markdown definition in human-readable format and an optional structured skill definition.

Contents

skillDefinition

The structured skill definition with schema version and content.

Type: SkillDefinition object

Required: No

skillMd

The optional skill markdown definition describing the agent's skills in a human-readable format.

Type: SkillMdDefinition object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AllowedWorkloadConfiguration

The configuration that restricts which workloads in the request's identity chain are allowed to invoke the target, identified by their hosting environments and workload identities. At launch, this is supported only for AgentCore Runtime targets, and the allowed workloads are AgentCore Gateways.

Contents

hostingEnvironments

The list of hosting environments whose workloads are allowed to invoke the target. At launch, the only supported hosting environment is AgentCore Gateway.

Type: Array of HostingEnvironment objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

workloadIdentities

The list of workload identities that are allowed to invoke the target.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 3. Maximum length of 255.

Pattern: `[A-Za-z0-9_.-]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

ApiGatewayTargetConfiguration

The configuration for an Amazon API Gateway target.

Contents

apiGatewayToolConfiguration

The configuration for defining REST API tool filters and overrides for the gateway target.

Type: ApiGatewayToolConfiguration object

Required: Yes

restApiId

The ID of the API Gateway REST API.

Type: String

Required: Yes

stage

The ID of the stage of the REST API to add as a target.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ApiGatewayToolConfiguration

The configuration for defining REST API tool filters and overrides for the gateway target.

Contents

toolFilters

A list of path and method patterns to expose as tools using metadata from the REST API's OpenAPI specification.

Type: Array of ApiGatewayToolFilter objects

Required: Yes

toolOverrides

A list of explicit tool definitions with optional custom names and descriptions.

Type: Array of ApiGatewayToolOverride objects

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ApiGatewayToolFilter

Specifies which operations from an API Gateway REST API are exposed as tools. Tool names and descriptions are derived from the operationId and description fields in the API's exported OpenAPI specification.

Contents

filterPath

Resource path to match in the REST API. Supports exact paths (for example, `/pets`) or wildcard paths (for example, `/pets/*` to match all paths under `/pets`). Must match existing paths in the REST API.

Type: String

Required: Yes

methods

The methods to filter for.

Type: Array of strings

Valid Values: `GET | DELETE | HEAD | OPTIONS | PATCH | PUT | POST`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ApiGatewayToolOverride

Settings to override configurations for a tool.

Contents

method

The HTTP method to expose for the specified path.

Type: String

Valid Values: `GET | DELETE | HEAD | OPTIONS | PATCH | PUT | POST`

Required: Yes

name

The name of tool. Identifies the tool in the Model Context Protocol.

Type: String

Required: Yes

path

Resource path in the REST API (e.g., `/pets`). Must explicitly match an existing path in the REST API.

Type: String

Required: Yes

description

The description of the tool. Provides information about the purpose and usage of the tool. If not provided, uses the description from the API's OpenAPI specification.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ApiKeyCredentialProvider

An API key credential provider for gateway authentication. This structure contains the configuration for authenticating with the target endpoint using an API key.

Contents

providerArn

The Amazon Resource Name (ARN) of the API key credential provider. This ARN identifies the provider in Amazon.

Type: String

Pattern: `arn:([^:]*):([^:]*):([^:]*):([0-9]{12})?:(.+)`

Required: Yes

credentialLocation

The location of the API key credential. This field specifies where in the request the API key should be placed.

Type: String

Valid Values: `HEADER | QUERY_PARAMETER`

Required: No

credentialParameterName

The name of the credential parameter for the API key. This parameter name is used when sending the API key to the target endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

credentialPrefix

The prefix for the API key credential. This prefix is added to the API key when sending it to the target endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ApiKeyCredentialProviderItem

Contains information about an API key credential provider.

Contents

createdTime

The timestamp when the API key credential provider was created.

Type: Timestamp

Required: Yes

credentialProviderArn

The Amazon Resource Name (ARN) of the API key credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/apikeycredentialprovider/[a-zA-Z0-9-.]+`

Required: Yes

lastUpdatedTime

The timestamp when the API key credential provider was last updated.

Type: Timestamp

Required: Yes

name

The name of the API key credential provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ApiSchemaConfiguration

Configuration for API schema.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

inlinePayload

The inline payload containing the API schema definition.

Type: String

Required: No

s3

The Amazon S3 configuration for a gateway. This structure defines how the gateway accesses files in Amazon S3.

Type: S3Configuration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ApprovalConfiguration

Configuration for the registry record approval workflow. Controls whether records added to the registry require explicit approval before becoming active.

Contents

autoApproval

Whether registry records are auto-approved. When set to `true`, records are automatically approved upon creation. When set to `false` (the default), records require explicit approval for security purposes.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AtlassianOauth2ProviderConfigInput

Configuration settings for connecting to Atlassian services using OAuth2 authentication. This includes the client credentials required to authenticate with Atlassian's OAuth2 authorization server.

Contents

clientId

The client ID for the Atlassian OAuth2 provider. This identifier is assigned by Atlassian when you register your application.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

clientSecret

The client secret for the Atlassian OAuth2 provider. This secret is assigned by Atlassian and used along with the client ID to authenticate your application.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

clientSecretConfig

A reference to the Amazon Secrets Manager secret that stores the client secret. This includes the secret ID and the JSON key used to extract the client secret value from the secret. Required when `clientSecretSource` is set to `EXTERNAL`.

Type: SecretReference object

Required: No

clientSecretSource

The source type of the client secret for the Atlassian OAuth2 provider. Use `MANAGED` if the secret is managed by the service, or `EXTERNAL` if you manage the secret yourself in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED` | `EXTERNAL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AtlassianOauth2ProviderConfigOutput

The configuration details returned for an Atlassian OAuth2 provider, including the client ID and OAuth2 discovery information.

Contents

oauthDiscovery

Contains the discovery information for an OAuth2 provider.

Type: Oauth2Discovery object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

clientId

The client ID for the Atlassian OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AuthorizationData

Contains the authorization data that is returned when a gateway target is configured with a credential provider with authorization code grant type and requires user federation.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

oauth2

OAuth2 authorization data for the gateway target.

Type: OAuth2AuthorizationData object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AuthorizerConfiguration

Represents inbound authorization configuration options used to authenticate incoming requests.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

customJWTAuthorizer

The inbound JWT-based authorization, specifying how incoming requests should be authenticated.

Type: CustomJWTAuthorizerConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AuthorizingClaimMatchValueType

Defines the value or values to match for and the relationship of the match.

Contents

claimMatchOperator

Defines the relationship between the claim field value and the value or values you're matching for.

Type: String

Valid Values: `EQUALS | CONTAINS | CONTAINS_ANY`

Required: Yes

claimMatchValue

The value or values to match for.

Type: ClaimMatchValueType object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BatchPutLimitEntry

A rate limit definition within a batch put request. If you provide a `rateLimitId`, the service uses it for upsert matching against existing rate limits.

Contents

dimensionKeys

The ordered list of dimension key names that define the scope of this rate limit.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 80.

Pattern: `(targetName|toolName|qualifiedModelId|\$\.context\.iam\.principal|\$\.context\.iam\.sourceIdentity|\$\.context\.jwt\.[a-zA-Z_][a-zA-Z0-9_\-\.]{0,61}[a-zA-Z0-9_])`

Required: Yes

entries

The list of rule entries that map dimension values to rate configurations.

Type: Array of LimitEntry objects

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

Required: Yes

description

An optional human-readable description for this rate limit. If not provided, the rate limit is created without a description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Required: No

rateLimitId

The unique identifier of the rate limit. If provided, the service uses it for upsert matching against existing rate limits.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9\-_\.]{0,62}[a-zA-Z0-9]`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BedrockEvaluatorModelConfig

The configuration for using Amazon Bedrock models in evaluator assessments, including model selection and inference parameters.

Contents

modelId

The identifier of the Amazon Bedrock model to use for evaluation. Must be a supported foundation model available in your region.

Type: String

Required: Yes

additionalModelRequestFields

Additional model-specific request fields to customize model behavior beyond the standard inference configuration.

Type: JSON value

Required: No

inferenceConfig

The inference configuration parameters that control model behavior during evaluation, including temperature, token limits, and sampling settings.

Type: InferenceConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

BrowserEnterprisePolicy

Browser enterprise policy configuration.

Contents

location

The location of the enterprise policy file.

Type: ResourceLocation object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

type

The type of browser enterprise policy. Available values are `MANAGED` and `RECOMMENDED`.

Type: String

Valid Values: `MANAGED | RECOMMENDED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BrowserNetworkConfiguration

The network configuration for a browser. This structure defines how the browser connects to the network.

Contents

networkMode

The network mode for the browser. This field specifies how the browser connects to the network.

Type: String

Valid Values: `PUBLIC | VPC`

Required: Yes

vpcConfig

The VPC configuration for the browser. This configuration is required when the network mode is set to `VPC`.

Type: VpcConfig object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BrowserProfileSummary

Contains summary information about a browser profile. A browser profile stores persistent browser data that can be reused across browser sessions.

Contents

createdAt

The timestamp when the browser profile was created.

Type: Timestamp

Required: Yes

lastUpdatedAt

The timestamp when the browser profile was last updated.

Type: Timestamp

Required: Yes

name

The name of the browser profile.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

profileArn

The Amazon Resource Name (ARN) of the browser profile.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:browser-profile/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

Required: Yes

profileId

The unique identifier of the browser profile.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

Required: Yes

status

The current status of the browser profile. Possible values include READY, SAVING, DELETING, and DELETED.

Type: String

Valid Values: `READY | DELETING | DELETED | SAVING`

Required: Yes

description

The description of the browser profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

lastSavedAt

The timestamp when browser session data was last saved to this profile.

Type: Timestamp

Required: No

lastSavedBrowserId

The identifier of the browser from which data was last saved to this profile.

Type: String

Pattern: `(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

Required: No

lastSavedBrowserSessionId

The identifier of the browser session from which data was last saved to this profile.

Type: String

Pattern: `[0-9a-zA-Z]{1,40}`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BrowserSigningConfigInput

Configuration for enabling browser signing capabilities that allow agents to cryptographically identify themselves to websites using HTTP message signatures.

Contents

enabled

Specifies whether browser signing is enabled. When enabled, the browser will cryptographically sign HTTP requests to identify itself as an AI agent to bot control vendors.

Type: Boolean

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BrowserSigningConfigOutput

The current browser signing configuration that shows whether cryptographic agent identification is enabled for web bot authentication.

Contents

enabled

Indicates whether browser signing is currently enabled for cryptographic agent identification using HTTP message signatures.

Type: Boolean

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BrowserSummary

Contains summary information about a browser. A browser enables Amazon Bedrock AgentCore Agent to interact with web content.

Contents

browserArn

The Amazon Resource Name (ARN) of the browser.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:(aws|[0-9]{12}):browser(-custom)?/(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

Required: Yes

browserId

The unique identifier of the browser.

Type: String

Pattern: `(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

Required: Yes

createdAt

The timestamp when the browser was created.

Type: Timestamp

Required: Yes

status

The current status of the browser.

Type: String

Valid Values: `CREATING | CREATE_FAILED | READY | DELETING | DELETE_FAILED | DELETED`

Required: Yes

description

The description of the browser.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

lastUpdatedAt

The timestamp when the browser was last updated.

Type: Timestamp

Required: No

name

The name of the browser.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CapacityProviderConfiguration

Configuration for customer-managed compute capacity for the AgentCore Runtime. A capacity provider runs the AgentCore Runtime on the Instances compute type, using Amazon managed compute in your account.

Contents

capacityProviderArn

The Amazon Resource Name (ARN) of the capacity provider to use for the AgentCore Runtime.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:capacity-provider/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CapacityProviderSummary

A summary of a capacity provider, as returned by `ListCapacityProviders`. Each summary includes the capacity provider identifier, Amazon Resource Name (ARN), name, status, and last-updated timestamp.

Contents

capacityProviderArn

The Amazon Resource Name (ARN) of the capacity provider.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:capacity-provider/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

Required: Yes

capacityProviderId

The unique identifier of the capacity provider.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

Required: Yes

lastUpdatedAt

The timestamp when the capacity provider was last updated.

Type: Timestamp

Required: Yes

name

The name of the capacity provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

status

The current status of the capacity provider. For possible values, see `CapacityProviderStatus`.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CapacityProviderVolumeConfiguration

Configuration for a capacity provider volume mounted into the AgentCore Runtime. This references a persistent volume by its logical name, as defined in the capacity provider's list of volumes.

Contents

mountPath

The mount path for the capacity provider volume inside the AgentCore Runtime. The path must be under `/mnt` with exactly one subdirectory level (for example, `/mnt/data`).

Type: String

Length Constraints: Minimum length of 6. Maximum length of 200.

Pattern: `/mnt/[a-zA-Z0-9._-]+/?`

Required: Yes

volumeName

The logical name of the capacity provider volume to mount. This name must match a volume that is defined in the capacity provider's list of volumes.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9_-]{0,47}`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CapacityReservationSpecification

The Capacity Reservation targeting option for the instances.

Contents

capacityReservationPreference

The Capacity Reservation preference for the instances.

Type: String

Valid Values: `capacity-reservations-only | open | none`

Required: No

capacityReservationTarget

The target Capacity Reservation or Capacity Reservation group for the instances.

Type: CapacityReservationTarget object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CapacityReservationTarget

Information about the target Capacity Reservation or Capacity Reservation group for the instances.

Contents

capacityReservationId

The ID of the Capacity Reservation in which to run the instances.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `cr-[0-9a-z]+`

Required: No

capacityReservationResourceGroupArn

The Amazon Resource Name (ARN) of the Capacity Reservation resource group in which to run the instances.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:resource-groups:[a-z0-9-]+:[0-9]{12}:group/[a-zA-Z0-9_-]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CategoricalScaleDefinition

The definition of a categorical rating scale option that provides a named category with its description for evaluation scoring.

Contents

definition

The description that explains what this categorical rating represents and when it should be used.

Type: String

Required: Yes

label

The label or name of this categorical rating option.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CedarPolicy

Represents a Cedar policy statement within the AgentCore Policy system. Cedar is a policy language designed for authorization that provides human-readable, analyzable, and high-performance policy evaluation for controlling agent behavior and access decisions.

Contents

statement

The Cedar policy statement that defines the authorization logic. This statement follows Cedar syntax and specifies principals, actions, resources, and conditions that determine when access should be allowed or denied.

Type: String

Length Constraints: Minimum length of 35. Maximum length of 10000.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Certificate

A certificate to install in the browser or code interpreter.

Contents

location

The location of the certificate.

Type: CertificateLocation object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CertificateLocation

The location from which to retrieve a certificate.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

secretsManager

The Amazon Secrets Manager location of the certificate.

Type: SecretsManagerLocation object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ClaimMatchValueType

The value or values to match for.

- Include a `matchValueString` with the `EQUALS` operator to specify a string that matches the claim field value.
- Include a `matchValueArray` to specify an array of string values. You can use the following operators:
  - Use `CONTAINS` to yield a match if the claim field value is in the array.
  - Use `CONTAINS_ANY` to yield a match if the claim field value contains any of the strings in the array.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

matchValueString

The string value to match for.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[A-Za-z0-9_.-]+`

Required: No

matchValueStringList

An array of strings to check for a match.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[A-Za-z0-9_.-]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CloudWatchLogsInputConfig

The configuration for reading agent traces from CloudWatch logs as input for online evaluation.

Contents

serviceNames

The list of service names to filter traces within the specified log groups. Used to identify relevant agent sessions.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9._-]+`

Required: Yes

logGroupNamePrefixes

The list of CloudWatch log group name prefixes to monitor for agent traces. Specify this instead of `logGroupNames` to match log groups by prefix. Specify either `logGroupNames` or `logGroupNamePrefixes`, not both. One of the two is required.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[.\-_/#A-Za-z0-9]+`

Required: No

logGroupNames

The list of CloudWatch log group names to monitor for agent traces.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Pattern: `[.\-_/#A-Za-z0-9]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CloudWatchOutputConfig

The configuration for writing evaluation results to CloudWatch logs with embedded metric format (EMF) for monitoring.

Contents

logGroupName

The name of the CloudWatch log group where evaluation results will be written. An existing log group is used as-is; otherwise the service creates it, which requires the evaluation execution role to grant `logs:CreateLogGroup` on the log group. Don't specify this value when `resultDestination` is `SOURCE_LOG_GROUP`. The name can't be under the service-reserved `/aws/bedrock-agentcore/evaluations/` namespace, apart from this configuration's own service-managed default group.

Type: String

Pattern: `$|^[.\-_/#A-Za-z0-9]+`

Required: No

metricsNamespace

The CloudWatch metrics namespace where evaluation result metrics are published. If you omit this value, the service publishes metrics to `Bedrock-AgentCore/Evaluations`. This value can't begin with `AWS/`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9._#/:-]+`

Required: No

resultDestination

The destination where evaluation results are written. Valid values:

- `DEDICATED_LOG_GROUP` (default) – Writes results to a dedicated result log group.
- `SOURCE_LOG_GROUP` – Writes results back to the log group that the agent traces were read from. If you use this value, don't specify `logGroupName`.

Type: String

Valid Values: `DEDICATED_LOG_GROUP | SOURCE_LOG_GROUP`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ClusteringConfig

Configuration for periodic batch evaluation clustering, specifying how often clustering jobs run.

Contents

frequencies

The list of frequencies at which clustering batch evaluations are triggered.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 3 items.

Valid Values: `DAILY | WEEKLY | MONTHLY`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Code

The source code configuration that specifies the location and details of the code to be executed.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

s3

The Amazon Amazon S3 object that contains the source code for the agent runtime.

Type: S3Location object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CodeBasedEvaluatorConfig

Configuration for a code-based evaluator. Specify the Lambda function to use for evaluation.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

lambdaConfig

The Lambda function configuration for code-based evaluation.

Type: LambdaEvaluatorConfig object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CodeConfiguration

The configuration for the source code that defines how the agent runtime code should be executed, including the code location, runtime environment, and entry point.

Contents

code

The source code location and configuration details.

Type: Code object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

entryPoint

The entry point for the code execution, specifying the function or method that should be invoked when the code runs.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

runtime

The runtime environment for executing the agent code. Specify the programming language and version to use for the agent runtime. For valid values, see the list of supported runtimes.

Type: String

Valid Values: `PYTHON_3_10 | PYTHON_3_11 | PYTHON_3_12 | PYTHON_3_13 | PYTHON_3_14 | NODE_22`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CodeInterpreterNetworkConfiguration

The network configuration for a code interpreter. This structure defines how the code interpreter connects to the network.

Contents

networkMode

The network mode for the code interpreter. This field specifies how the code interpreter connects to the network.

Type: String

Valid Values: `PUBLIC | SANDBOX | VPC`

Required: Yes

vpcConfig

The VPC configuration for the code interpreter. This configuration is required when the network mode is set to `VPC`.

Type: VpcConfig object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CodeInterpreterSummary

Contains summary information about a code interpreter. A code interpreter enables Amazon Bedrock AgentCore Agent to execute code.

Contents

codeInterpreterArn

The Amazon Resource Name (ARN) of the code interpreter.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:(aws|[0-9]{12}):code-interpreter(-custom)?/(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

Required: Yes

codeInterpreterId

The unique identifier of the code interpreter.

Type: String

Pattern: `(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

Required: Yes

createdAt

The timestamp when the code interpreter was created.

Type: Timestamp

Required: Yes

status

The current status of the code interpreter.

Type: String

Valid Values: `CREATING | CREATE_FAILED | READY | DELETING | DELETE_FAILED | DELETED`

Required: Yes

description

The description of the code interpreter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

lastUpdatedAt

The timestamp when the code interpreter was last updated.

Type: Timestamp

Required: No

name

The name of the code interpreter.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CoinbaseCdpConfigurationInput

Coinbase CDP configuration — credentials provided by Coinbase Developer Platform.

Contents

apiKeyId

The API key identifier provided by Coinbase Developer Platform.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

apiKeySecret

The API key secret provided by Coinbase Developer Platform.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[a-zA-Z0-9+/=\-_\s]*`

Required: No

apiKeySecretConfig

A reference to the Amazon Secrets Manager secret that stores the API key secret. This includes the secret ID and the JSON key used to extract the API key secret value from the secret. Required when `apiKeySecretSource` is set to `EXTERNAL`.

Type: SecretReference object

Required: No

apiKeySecretSource

The source type of the API key secret for the Coinbase Developer Platform. Use `MANAGED` if the secret is managed by the service, or `EXTERNAL` if you manage the secret yourself in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED` | `EXTERNAL`

Required: No

walletSecret

The wallet secret provided by Coinbase Developer Platform.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[a-zA-Z0-9+/=\-_\s]*`

Required: No

walletSecretConfig

A reference to the Amazon Secrets Manager secret that stores the wallet secret. This includes the secret ID and the JSON key used to extract the wallet secret value from the secret. Required when `walletSecretSource` is set to `EXTERNAL`.

Type: SecretReference object

Required: No

walletSecretSource

The source type of the wallet secret for the Coinbase Developer Platform. Use `MANAGED` if the secret is managed by the service, or `EXTERNAL` if you manage the secret yourself in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED` | `EXTERNAL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CoinbaseCdpConfigurationOutput

Coinbase CDP configuration output with secret ARNs.

Contents

apiKeyId

The API key identifier provided by Coinbase Developer Platform.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

apiKeySecretArn

Contains information about a secret in Amazon Secrets Manager.

Type: Secret object

Required: Yes

walletSecretArn

Contains information about a secret in Amazon Secrets Manager.

Type: Secret object

Required: Yes

apiKeySecretJsonKey

The JSON key used to extract the API key secret value from the Amazon Secrets Manager secret.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

apiKeySecretSource

The source type of the API key secret. Either `MANAGED` if the secret is managed by the service, or `EXTERNAL` if managed by the user in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED` | `EXTERNAL`

Required: No

walletSecretJsonKey

The JSON key used to extract the wallet secret value from the Amazon Secrets Manager secret.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

walletSecretSource

The source type of the wallet secret. Either `MANAGED` if the secret is managed by the service, or `EXTERNAL` if managed by the user in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED` | `EXTERNAL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CoinbaseCdpRotationTargets

Specifies the service-managed Coinbase CDP secrets to rotate.

Contents

secrets

The secrets to rotate. Specify at least one value. Each secret that you specify is rotated independently.

- `API_KEY` - The API key that the payment connector uses to call Coinbase CDP. Rotate it as routine maintenance, or if you suspect that it is compromised.
- `WALLET_SECRET` - The wallet secret that signs transactions. Rotate it only if it is lost or compromised. Coinbase CDP allows one wallet secret per project, so it is replaced in place and signing can be briefly interrupted.

Type: Array of strings

Array Members: Minimum number of 1 item.

Valid Values: `API_KEY | WALLET_SECRET`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ComponentConfiguration

The configuration for a component within a configuration bundle. The component type is inferred from the component identifier ARN.

Contents

configuration

The configuration values as a flexible JSON document.

Type: JSON value

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ComputeConfiguration

The compute configuration for a capacity provider. This structure defines the type and settings of the compute resources used to launch instances.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

ec2Configuration

The Amazon EC2 compute configuration for the capacity provider.

Type: Ec2Configuration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Condition

A condition that determines when a gateway rule applies. Conditions can match on principals or request paths.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

matchPaths

A condition that matches on the request path.

Type: MatchPaths object

Required: No

matchPrincipals

A condition that matches on the identity of the caller making the request.

Type: MatchPrincipals object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConfigurationBundleAction

An action that applies a configuration bundle override, either as a static override or a weighted split for A/B testing.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

staticOverride

A static configuration bundle override that applies a single bundle version to all matching requests.

Type: StaticOverride object

Required: No

weightedOverride

A weighted configuration bundle override that splits traffic between multiple bundle versions based on configured weights.

Type: WeightedOverride object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConfigurationBundleReference

A reference to a specific version of a configuration bundle.

Contents

bundleArn

The Amazon Resource Name (ARN) of the configuration bundle.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:configuration-bundle/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

bundleVersion

The version of the configuration bundle.

Type: String

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConfigurationBundleSummary

Summary information about a configuration bundle.

Contents

bundleArn

The Amazon Resource Name (ARN) of the configuration bundle.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:configuration-bundle/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

bundleId

The unique identifier of the configuration bundle.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

bundleName

The name of the configuration bundle.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,99}`

Required: Yes

createdAt

The timestamp when the configuration bundle was created.

Type: Timestamp

Required: No

description

The description of the configuration bundle.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Pattern: `.+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConfigurationBundleVersionSummary

Summary information about a configuration bundle version.

Contents

bundleArn

The Amazon Resource Name (ARN) of the configuration bundle.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:configuration-bundle/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

bundleId

The unique identifier of the configuration bundle.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

versionCreatedAt

The timestamp when this version was created.

Type: Timestamp

Required: Yes

versionId

The version identifier of this configuration bundle version.

Type: String

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: Yes

lineageMetadata

The version lineage metadata, including parent versions, branch name, and creation source.

Type: VersionLineageMetadata object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConnectorConfiguration

Configuration for a single tool within a connector.

Contents

name

The tool or operation name (for example, `retrieve` or `webSearch`).

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `[a-zA-Z][a-zA-Z0-9_-]*`

Required: Yes

description

An agent-facing description override for this tool.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2000.

Required: No

parameterOverrides

Parameters to expose to the agent at runtime, with optional description overrides.

Type: Array of ConnectorParameterOverride objects

Required: No

parameterValues

Parameters to set as fixed or default values when provisioning this tool.

Type: JSON value

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConnectorParameterOverride

Specifies a parameter override for a connector tool, allowing you to control parameter visibility and descriptions.

Contents

path

A JSON Pointer path identifying the parameter (for example, `/numberOfResults` or `/filter`).

Type: String

Required: Yes

description

An agent-facing description override for this parameter.

Type: String

Required: No

visible

Whether this parameter is visible to the agent. If not specified, uses the service default.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConnectorSource

The source identifying the connector integration.

Contents

connectorId

The identifier for the connector integration (for example, `bedrock-knowledge-bases`).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

version

The version of the connector to use (for example, `1.1.0`). If you don't specify a version, the service uses the latest available version.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 32.

Pattern: `(?:0|[1-9]\d*)\.(?:0|[1-9]\d*)\.(?:0|[1-9]\d*)`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConnectorTargetConfiguration

Configuration for a connector integration target. Connectors provide pre-built integrations with Amazon services and third-party tools.

Contents

source

The source configuration identifying which connector to use.

Type: ConnectorSource object

Required: Yes

configurations

A list of per-tool configurations for the connector.

Type: Array of ConnectorConfiguration objects

Required: No

enabled

A list of tool names to enable from this connector. If absent, all tools provided by the connector are enabled.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConsentPortalIdpConfig

The identity provider configuration used to authenticate end users to the consent portal.

Contents

credentialProviderArn

The Amazon Resource Name (ARN) of the OAuth2 credential provider used to authenticate end users to the consent portal.

Type: String

Pattern: `arn:(aws|aws-cn|aws-us-gov|aws-iso|aws-iso-b|aws-iso-e|aws-iso-f|aws-eusc):bedrock-agentcore:[a-z0-9-]{1,32}:[0-9]{12}:token-vault/[a-zA-Z0-9_-]{1,64}/oauth2credentialprovider/[a-zA-Z0-9_-]{1,128}`

Required: Yes

scopes

The OAuth2 scopes that the consent portal requests when authenticating end users.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[\x21\x23-\x5B\x5D-\x7E]+`

Required: Yes

audience

The audience value that the consent portal includes when requesting tokens from the identity provider.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConsentPortalSource

A resource served by the consent portal.

Contents

identifier

The identifier of the source resource. For an `agentcore-gateway` source, this is the gateway ID or its Amazon Resource Name (ARN).

Type: String

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}$|^arn:aws(-[a-z-]+)?:bedrock-agentcore:[a-z0-9-]{1,20}:[0-9]{12}:gateway/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

Required: Yes

type

The type of the source resource.

Type: String

Valid Values: `agentcore-gateway`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConsentPortalSummary

Summary information about a consent portal.

Contents

consentPortalArn

The Amazon Resource Name (ARN) of the consent portal.

Type: String

Pattern: `arn:aws[^:]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:consent-portal/[a-zA-Z0-9\-_]{1,50}-[A-Za-z0-9]{10}`

Required: Yes

consentPortalId

The unique identifier of the consent portal.

Type: String

Pattern: `[a-zA-Z0-9\-_]{1,50}-[A-Za-z0-9]{10}`

Required: Yes

createdAt

The timestamp for when the consent portal was created.

Type: Timestamp

Required: Yes

name

The name of the consent portal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `[a-zA-Z0-9_-]{1,50}`

Required: Yes

sources

The resources served by the consent portal.

Type: Array of ConsentPortalSource objects

Array Members: Fixed number of 1 item.

Required: Yes

status

The current status of the consent portal.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | UPDATE_FAILED | DELETING | FAILED`

Required: Yes

updatedAt

The timestamp for when the consent portal was last updated.

Type: Timestamp

Required: Yes

description

The description of the consent portal.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Required: No

portalUrl

The URL used to access the consent portal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConsolidationConfiguration

Contains consolidation configuration information for a memory strategy.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

customConsolidationConfiguration

The custom consolidation configuration.

Type: CustomConsolidationConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ContainerConfiguration

Representation of a container configuration.

Contents

containerUri

The ECR URI of the container.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `(([0-9]{12})\.dkr\.ecr\.([a-z0-9-]+)\.amazonaws\.com(\.cn)?|public\.ecr\.aws)/((?:[a-z0-9]+(?:[._-][a-z0-9]+)*/)*[a-z0-9]+(?:[._-][a-z0-9]+)*)(?::([^:@]{1,300}))?(?:@(.+))?`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Content

Represents content input for policy generation operations. This structure encapsulates the natural language descriptions or other content formats that are used as input for AI-powered policy generation.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

rawText

The raw text content containing natural language descriptions of desired policy behavior. This text is processed by AI to generate corresponding Dogwood policy statements that match the described intent.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ContentConfiguration

Defines what content to stream and at what level of detail.

Contents

type

Type of content to stream.

Type: String

Valid Values: `MEMORY_RECORDS`

Required: Yes

level

Level of detail for streamed content.

Type: String

Valid Values: `METADATA_ONLY | FULL_CONTENT`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CredentialProvider

A credential provider for gateway authentication. This structure contains the configuration for authenticating with the target endpoint.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

apiKeyCredentialProvider

The API key credential provider. This provider uses an API key to authenticate with the target endpoint.

Type: ApiKeyCredentialProvider object

Required: No

iamCredentialProvider

The IAM credential provider. This provider uses IAM authentication with SigV4 signing to access the target endpoint.

Type: IamCredentialProvider object

Required: No

oauthCredentialProvider

The OAuth credential provider. This provider uses OAuth authentication to access the target endpoint.

Type: OAuthCredentialProvider object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CredentialProviderConfiguration

The configuration for a credential provider. This structure defines how the gateway authenticates with the target endpoint.

Contents

credentialProviderType

The type of credential provider. This field specifies which authentication method the gateway uses.

Type: String

Valid Values: `GATEWAY_IAM_ROLE | OAUTH | API_KEY | CALLER_IAM_CREDENTIALS | JWT_PASSTHROUGH`

Required: Yes

credentialProvider

The credential provider. This field contains the specific configuration for the credential provider type.

Type: CredentialProvider object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CredentialRotationConfig

Specifies the service-managed credentials to rotate. Provide the member that matches the payment connector's `type`.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

coinbaseCDP

The credentials to rotate for a Coinbase CDP payment connector.

Type: CoinbaseCdpRotationTargets object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CredentialsProviderConfiguration

The credential provider configuration for a payment connector. Specifies the payment provider type and its associated credential provider.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

coinbaseCDP

The credential provider configuration for a Coinbase CDP payment connector.

Type: PaymentCredentialProviderConfiguration object

Required: No

stripePrivy

The credential provider configuration for a Stripe Privy payment connector.

Type: PaymentCredentialProviderConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomClaimValidationType

Defines the name of a custom claim field and rules for finding matches to authenticate its value.

Contents

authorizingClaimMatchValue

Defines the value or values to match for and the relationship of the match.

Type: AuthorizingClaimMatchValueType object

Required: Yes

inboundTokenClaimName

The name of the custom claim field to check.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[A-Za-z0-9_.-:]+`

Required: Yes

inboundTokenClaimValueType

The data type of the claim value to check for.

- Use `STRING` if you want to find an exact match to a string you define.
- Use `STRING_ARRAY` if you want to fnd a match to at least one value in an array you define.

Type: String

Valid Values: `STRING | STRING_ARRAY`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomConfigurationInput

Input for custom configuration of a memory strategy.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

episodicOverride

The episodic memory strategy override configuration for a custom memory strategy.

Type: EpisodicOverrideConfigurationInput object

Required: No

selfManagedConfiguration

The self managed configuration for a custom memory strategy.

Type: SelfManagedConfigurationInput object

Required: No

semanticOverride

The semantic override configuration for a custom memory strategy.

Type: SemanticOverrideConfigurationInput object

Required: No

summaryOverride

The summary override configuration for a custom memory strategy.

Type: SummaryOverrideConfigurationInput object

Required: No

userPreferenceOverride

The user preference override configuration for a custom memory strategy.

Type: UserPreferenceOverrideConfigurationInput object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomConsolidationConfiguration

Contains custom consolidation configuration information.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

episodicConsolidationOverride

The configurations to override the default consolidation step for the episodic memory strategy.

Type: EpisodicConsolidationOverride object

Required: No

semanticConsolidationOverride

The semantic consolidation override configuration.

Type: SemanticConsolidationOverride object

Required: No

summaryConsolidationOverride

The summary consolidation override configuration.

Type: SummaryConsolidationOverride object

Required: No

userPreferenceConsolidationOverride

The user preference consolidation override configuration.

Type: UserPreferenceConsolidationOverride object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomConsolidationConfigurationInput

Input for a custom consolidation configuration.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

episodicConsolidationOverride

Configurations to override the consolidation step of the episodic strategy.

Type: EpisodicOverrideConsolidationConfigurationInput object

Required: No

semanticConsolidationOverride

The semantic consolidation override configuration input.

Type: SemanticOverrideConsolidationConfigurationInput object

Required: No

summaryConsolidationOverride

The summary consolidation override configuration input.

Type: SummaryOverrideConsolidationConfigurationInput object

Required: No

userPreferenceConsolidationOverride

The user preference consolidation override configuration input.

Type: UserPreferenceOverrideConsolidationConfigurationInput object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomDescriptor

A custom descriptor for a registry record. Use this for resources such as APIs, Lambda functions, or servers that do not conform to a standard protocol like MCP or A2A.

Contents

inlineContent

The custom descriptor content as a valid JSON document. You can define any custom schema that describes your resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 102400.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomExtractionConfiguration

Contains custom extraction configuration information.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

episodicExtractionOverride

The configurations to override the default extraction step for the episodic memory strategy.

Type: EpisodicExtractionOverride object

Required: No

semanticExtractionOverride

The semantic extraction override configuration.

Type: SemanticExtractionOverride object

Required: No

userPreferenceExtractionOverride

The user preference extraction override configuration.

Type: UserPreferenceExtractionOverride object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomExtractionConfigurationInput

Input for a custom extraction configuration.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

episodicExtractionOverride

Configurations to override the extraction step of the episodic strategy.

Type: EpisodicOverrideExtractionConfigurationInput object

Required: No

semanticExtractionOverride

The semantic extraction override configuration input.

Type: SemanticOverrideExtractionConfigurationInput object

Required: No

userPreferenceExtractionOverride

The user preference extraction override configuration input.

Type: UserPreferenceOverrideExtractionConfigurationInput object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomJWTAuthorizerConfiguration

Configuration for inbound JWT-based authorization, specifying how incoming requests should be authenticated.

Contents

discoveryUrl

This URL is used to fetch OpenID Connect configuration or authorization server metadata for validating incoming tokens.

Type: String

Pattern: `.+/\.well-known/openid-configuration`

Required: Yes

advertisedScopeMapping

A map that associates each scope in `allowedScopes` with a corresponding advertised scope value. The advertised scope appears in OAuth protected resource metadata and `WWW-Authenticate` response headers. Use this parameter when the scope that clients request from your identity provider differs from the scope in the validated token. Each key is a scope from `allowedScopes` that the service uses for token validation. Each value is the corresponding scope that the service advertises to clients. Scopes without a mapping entry appear unchanged to clients.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: `[\x21\x23-\x5B\x5D-\x7E]+`

Value Length Constraints: Minimum length of 1. Maximum length of 255.

Value Pattern: `[\x21\x23-\x5B\x5D-\x7E]+`

Required: No

allowedAudience

Represents individual audience values that are validated in the incoming JWT token validation process.

Type: Array of strings

Array Members: Minimum number of 1 item.

Required: No

allowedClients

Represents individual client IDs that are validated in the incoming JWT token validation process.

Type: Array of strings

Array Members: Minimum number of 1 item.

Required: No

allowedScopes

An array of scopes that are allowed to access the token.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[\x21\x23-\x5B\x5D-\x7E]+`

Required: No

allowedWorkloadConfiguration

The configuration that restricts which workloads in the request's identity chain are allowed to invoke the target, identified by their hosting environments and workload identities. At launch, this is supported only for AgentCore Runtime targets, and the allowed workloads are AgentCore Gateways.

Type: AllowedWorkloadConfiguration object

Required: No

customClaims

An array of objects that define a custom claim validation name, value, and operation

Type: Array of CustomClaimValidationType objects

Array Members: Minimum number of 1 item.

Required: No

privateEndpoint

The private endpoint configuration for a gateway target. Defines how the gateway connects to private resources in your VPC.

Type: PrivateEndpoint object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

privateEndpointOverrides

The private endpoint overrides for the custom JWT authorizer configuration.

Type: Array of PrivateEndpointOverride objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomMemoryStrategyInput

Input for creating a custom memory strategy.

Contents

name

The name of the custom memory strategy.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

configuration

The configuration for the custom memory strategy.

Type: CustomConfigurationInput object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

description

The description of the custom memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

memoryRecordSchema

Schema for metadata fields on records generated by this strategy.

Type: MemoryRecordSchema object

Required: No

namespaces

This member has been deprecated.

This is a legacy parameter, use `namespaceTemplates`. The namespaces associated with the custom memory strategy.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

namespaceTemplates

The namespaceTemplates associated with the custom memory strategy.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomOauth2ProviderConfigInput

Input configuration for a custom OAuth2 provider.

Contents

oauthDiscovery

The OAuth2 discovery information for the custom provider.

Type: Oauth2Discovery object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

clientAuthenticationMethod

The client authentication method to use when authenticating with the token endpoint.

Type: String

Valid Values: `CLIENT_SECRET_BASIC | CLIENT_SECRET_POST | AWS_IAM_ID_TOKEN_JWT | PRIVATE_KEY_JWT`

Required: No

clientId

The client ID for the custom OAuth2 provider.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

clientSecret

The client secret for the custom OAuth2 provider.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

clientSecretConfig

A reference to the Amazon Secrets Manager secret that stores the client secret. This includes the secret ID and the JSON key used to extract the client secret value from the secret. Required when `clientSecretSource` is set to `EXTERNAL`.

Type: SecretReference object

Required: No

clientSecretSource

The source type of the client secret. Use `MANAGED` if the secret is managed by the service, or `EXTERNAL` if you manage the secret yourself in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED | EXTERNAL`

Required: No

onBehalfOfTokenExchangeConfig

The configuration for on-behalf-of token exchange. This enables authentication flows that use RFC 8693 token exchange or RFC 7523 JWT authorization grants.

Type: OnBehalfOfTokenExchangeConfigType object

Required: No

privateEndpoint

The default private endpoint for the custom OAuth2 provider, enabling secure connectivity through a VPC Lattice resource configuration.

Type: PrivateEndpoint object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

privateEndpointOverrides

The private endpoint overrides for the custom OAuth2 provider configuration.

Type: Array of PrivateEndpointOverride objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

privateKeyJwtConfig

The private_key_jwt client authentication configuration for this credential provider. When specified, the credential provider uses JWT client assertions to authenticate with the token endpoint.

Type: PrivateKeyJwtConfig object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomOauth2ProviderConfigOutput

Output configuration for a custom OAuth2 provider.

Contents

oauthDiscovery

The OAuth2 discovery information for the custom provider.

Type: Oauth2Discovery object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

clientAuthenticationMethod

The client authentication method used when authenticating with the token endpoint.

Type: String

Valid Values: `CLIENT_SECRET_BASIC | CLIENT_SECRET_POST | AWS_IAM_ID_TOKEN_JWT | PRIVATE_KEY_JWT`

Required: No

clientId

The client ID for the custom OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

onBehalfOfTokenExchangeConfig

The configuration for on-behalf-of token exchange.

Type: OnBehalfOfTokenExchangeConfigType object

Required: No

privateEndpoint

The default private endpoint for the custom OAuth2 provider, enabling secure connectivity through a VPC Lattice resource configuration.

Type: PrivateEndpoint object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

privateEndpointOverrides

The private endpoint overrides for the custom OAuth2 provider configuration.

Type: Array of PrivateEndpointOverride objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

privateKeyJwtConfig

The configuration for private_key_jwt client authentication used by this OAuth2 credential provider.

Type: PrivateKeyJwtConfig object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomReflectionConfiguration

Contains configurations for a custom reflection strategy.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

episodicReflectionOverride

The configuration for a reflection strategy to override the default one.

Type: EpisodicReflectionOverride object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomReflectionConfigurationInput

Input for a custom reflection configuration.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

episodicReflectionOverride

The reflection override configuration input.

Type: EpisodicOverrideReflectionConfigurationInput object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomTransformConfiguration

The configuration for custom transformations applied to requests and responses through the gateway. This structure defines how the gateway transforms data.

Contents

lambda

The Lambda configuration for custom transformations. This configuration defines how the gateway uses a Lambda function to transform data.

Type: LambdaTransformConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DatasetSummary

Summary information about a dataset.

Contents

createdAt

The timestamp when the dataset was created.

Type: Timestamp

Required: Yes

datasetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

Pattern: `arn:aws(-[a-z]+)*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:dataset/[a-zA-Z0-9_-]{1,110}`

Required: Yes

datasetId

The unique identifier of the dataset.

Type: String

Pattern: `[a-zA-Z0-9_-]{1,110}`

Required: Yes

datasetName

The name of the dataset.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

exampleCount

The number of examples in the dataset.

Type: Long

Required: Yes

schemaType

The schema type of the dataset.

Type: String

Valid Values: `AGENTCORE_EVALUATION_PREDEFINED_V1 | AGENTCORE_EVALUATION_SIMULATED_V1 | THIRD_PARTY_EVALUATION_V1`

Required: Yes

status

The current status of the dataset.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | ACTIVE | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

Required: Yes

updatedAt

The timestamp when the dataset was last updated.

Type: Timestamp

Required: Yes

description

The description of the dataset.

Type: String

Required: No

draftStatus

Publish synchronization state. Only authoritative when status is ACTIVE.

Type: String

Valid Values: `MODIFIED | UNMODIFIED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DatasetVersionSummary

Summary information about a published dataset version.

Contents

createdAt

The timestamp when this version was published.

Type: Timestamp

Required: Yes

datasetVersion

The version number of this published snapshot.

Type: String

Pattern: `(DRAFT|[0-9]+)`

Required: Yes

exampleCount

The number of examples in this version.

Type: Long

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSourceConfig

The configuration that specifies where to read agent traces for online evaluation.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

cloudWatchLogs

The CloudWatch logs configuration for reading agent traces from log groups.

Type: CloudWatchLogsInputConfig object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSourceType

Source of examples to add to the dataset.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

inlineExamples

Inline examples provided directly in the request body.

Type: InlineExamplesSource object

Required: No

s3Source

Amazon S3 URI pointing to a JSONL file in the customer's bucket.

Type: S3Source object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DeleteMemoryStrategyInput

Input for deleting a memory strategy.

Contents

memoryStrategyId

The unique identifier of the memory strategy to delete.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DerivedEvaluatorConfig

The configuration for a derived evaluator. It reuses an existing evaluator's logic on your own model.

Contents

baseEvaluatorId

The identifier of the base evaluator whose logic to run (a `Builtin.*` or `ThirdParty.*` evaluator).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 111.

Pattern: `(Builtin\.[a-zA-Z0-9._-]+|ThirdParty\.[a-zA-Z0-9_-]+\.[a-zA-Z0-9_-]+|[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10})`

Required: Yes

modelConfig

The configuration of the evaluator model that you supply.

Type: EvaluatorModelConfig object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Descriptors

Contains descriptor-type-specific configurations for a registry record. Only the descriptor matching the record's `descriptorType` should be populated.

Contents

a2a

The Agent-to-Agent (A2A) protocol descriptor configuration. Use this when the `descriptorType` is `A2A`.

Type: A2aDescriptor object

Required: No

agentSkills

The agent skills descriptor configuration. Use this when the `descriptorType` is `AGENT_SKILLS`.

Type: AgentSkillsDescriptor object

Required: No

custom

The custom descriptor configuration. Use this when the `descriptorType` is `CUSTOM`.

Type: CustomDescriptor object

Required: No

mcp

The Model Context Protocol (MCP) descriptor configuration. Use this when the `descriptorType` is `MCP`.

Type: McpDescriptor object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EbsVolumeConfiguration

The configuration for an Amazon EBS-backed persistent volume. The service creates persistent volumes when a session first launches, and the volumes survive instance termination. The volumes persist until you delete the session.

Contents

name

The logical name of the volume. Use this name to reference the volume when you mount it into an agent runtime.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9_-]{0,47}`

Required: Yes

sizeGiB

The size of the volume, in GiB.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65536.

Required: Yes

encrypted

Specifies whether to encrypt the volume. If `true`, the service encrypts the volume with the Amazon KMS key that you specify in `kmsKeyId`, or the default Amazon KMS key for Amazon EBS if you do not specify one. The default is `true`.

Type: Boolean

Required: No

iops

The number of IOPS to provision. Valid only for `gp3`, `io1`, and `io2` volumes.

Type: Integer

Valid Range: Minimum value of 100. Maximum value of 256000.

Required: No

kmsKeyId

The identifier of the Amazon KMS key to use for encryption.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:kms:[a-z0-9-]+:[0-9]{12}:key/[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: No

snapshotId

An optional Amazon EBS snapshot ID. If provided, the volume is initialized from this snapshot the first time it is created. On subsequent restarts, the existing volume is used and the snapshot is ignored.

Type: String

Length Constraints: Minimum length of 13. Maximum length of 64.

Pattern: `snap-[a-f0-9]{8,17}`

Required: No

throughput

The throughput, in MiB/s. Valid only for gp3 volumes.

Type: Integer

Valid Range: Minimum value of 125. Maximum value of 2000.

Required: No

volumeType

The Amazon EBS volume type. If you do not specify a type, the default is gp3.

Type: String

Valid Values: `standard | io1 | io2 | gp2 | sc1 | st1 | gp3`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Ec2Configuration

The configuration for Amazon EC2-based compute, including the launch template source, networking, storage volumes, and instance lifecycle settings.

Contents

launchTemplateSource

The source of the launch template configuration that defines how instances are launched.

Type: LaunchTemplateSource object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

vpcConfiguration

The VPC configuration for launching instances, including subnets and security groups.

Type: VpcConfiguration object

Required: Yes

lifecycleConfiguration

The lifecycle configuration for instances in the capacity provider.

Type: InstanceLifecycleConfiguration object

Required: No

rootVolume

The configuration for the instance root volume. Specify the amount of free space to guarantee and, optionally, the Amazon EBS performance and encryption settings. The device name and delete-on-termination behavior are not configurable.

Type: RootVolumeConfiguration object

Required: No

volumes

The named persistent Amazon EBS volumes for the capacity provider. A capacity provider can define up to five volumes.

Type: Array of VolumeConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EfsAccessPointConfiguration

Configuration for an Amazon EFS access point filesystem mounted into the AgentCore Runtime. EFS access points provide shared file storage accessible from your AgentCore Runtime sessions.

Contents

accessPointArn

The ARN of the EFS access point to mount into the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

Pattern: `arn:aws[-a-z]*:elasticfilesystem:[0-9a-z-:]+:access-point/fsap-[0-9a-f]{8,40}`

Required: Yes

mountPath

The mount path for the EFS access point inside the AgentCore Runtime. The path must be under `/mnt` with exactly one subdirectory level (for example, `/mnt/data`).

Type: String

Length Constraints: Minimum length of 6. Maximum length of 200.

Pattern: `/mnt/[a-zA-Z0-9._-]+/?`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EfsConfiguration

The configuration for mounting an Amazon Elastic File System (Amazon EFS) access point that you own into a session.

Contents

accessPointArn

The Amazon Resource Name (ARN) of the Amazon Elastic File System (Amazon EFS) access point to mount.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

Pattern: `arn:aws[-a-z]*:elasticfilesystem:[0-9a-z-:]+:access-point/fsap-[0-9a-f]{8,40}`

Required: Yes

fileSystemArn

The Amazon Resource Name (ARN) of the Amazon Elastic File System (Amazon EFS) file system that owns the access point.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `arn:aws[-a-z]*:elasticfilesystem:[a-z0-9-]+:[0-9]{12}:file-system/fs-[0-9a-f]{8,40}`

Required: Yes

mountPath

The absolute path within the session at which the access point is mounted, for example `/mnt/efs`. Each mount path must be unique across all file system configurations in the session.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 200.

Pattern: `/mnt/[a-zA-Z0-9._-]+/?`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EphemeralBlockDeviceMapping

A block device mapping for an instance store (ephemeral) volume.

Contents

deviceName

The device name, for example `/dev/sdh` or `xvdh`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9/._-]+`

Required: No

ebs

The shared Amazon EBS performance and encryption properties for a volume. These properties are common across the different volume configurations for a capacity provider.

Type: EphemeralEBSVolumeConfiguration object

Required: No

virtualName

The virtual device name (`ephemeralN`). Instance store volumes are numbered starting from 0. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `ephemeral[0-9]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EphemeralEBSVolumeConfiguration

The shared Amazon EBS performance and encryption properties for a volume. These properties are common across the different volume configurations for a capacity provider.

Contents

ebsCardIndex

The index of the Amazon EBS card. Applies to instances with multiple Amazon EBS cards.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

encrypted

Specifies whether to encrypt the volume. Encrypted volumes can be attached only to instances that support Amazon EBS encryption. If you create a volume from a snapshot, you cannot specify an encryption value.

Type: Boolean

Required: No

iops

The number of IOPS to provision. For `gp3`, `io1`, and `io2` volumes, this is the number of IOPS provisioned for the volume. For `gp2` volumes, this sets the baseline IOPS performance. It also controls the rate at which the volume accumulates I/O credits for bursting. Supported values: `gp3`, 3,000–80,000; `io1`, 100–64,000; `io2`, 100–256,000.

Type: Integer

Valid Range: Minimum value of 100. Maximum value of 256000.

Required: No

kmsKeyId

The identifier (key ID, key alias, key ARN, or alias ARN) of the customer managed Amazon KMS key to use for Amazon EBS encryption.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:kms:[a-z0-9-]+:[0-9]{12}:key/[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: No

snapshotId

The ID of the snapshot.

Type: String

Length Constraints: Minimum length of 13. Maximum length of 64.

Pattern: `snap-[a-f0-9]{8,17}`

Required: No

throughput

The throughput to provision, in MiB/s. Valid only for gp3 volumes. Valid range: 125–2,000 MiB/s.

Type: Integer

Valid Range: Minimum value of 125. Maximum value of 2000.

Required: No

volumeInitializationRate

The rate at which the volume is initialized after creation, in MiB/s. Supported only for volumes created from snapshots. Valid range: 100–300 MiB/s.

Type: Integer

Valid Range: Minimum value of 100. Maximum value of 300.

Required: No

volumeSize

The size of the volume, in GiB. You must specify either a snapshot ID or a volume size. Supported sizes: gp2, 1–16,384; gp3, 1–65,536; io1, 4–16,384; io2, 4–65,536.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65536.

Required: No

volumeType

The Amazon EBS volume type. If you do not specify a type, the default is gp3.

Type: String

Valid Values: `standard | io1 | io2 | gp2 | sc1 | st1 | gp3`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EpisodicConsolidationOverride

Contains configurations to override the default consolidation step for the episodic memory strategy.

Contents

appendToPrompt

The text appended to the prompt for the consolidation step of the episodic memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID used for the consolidation step of the episodic memory strategy.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EpisodicExtractionOverride

Contains configurations to override the default extraction step for the episodic memory strategy.

Contents

appendToPrompt

The text appended to the prompt for the extraction step of the episodic memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID used for the extraction step of the episodic memory strategy.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EpisodicMemoryStrategyInput

Input for creating an episodic memory strategy.

Contents

name

The name of the episodic memory strategy.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

description

The description of the episodic memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

memoryRecordSchema

Schema for metadata fields on records generated by this strategy.

Type: MemoryRecordSchema object

Required: No

namespaces

This member has been deprecated.

This is a legacy parameter, use `namespaceTemplates`. The namespaces for which to create episodes.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

namespaceTemplates

The namespaceTemplates for which to create episodes.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

reflectionConfiguration

The configuration for the reflections created with the episodic memory strategy.

Type: EpisodicReflectionConfigurationInput object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EpisodicOverrideConfigurationInput

Input for the configuration to override the episodic memory strategy.

Contents

consolidation

Contains configurations for overriding the consolidation step of the episodic memory strategy.

Type: EpisodicOverrideConsolidationConfigurationInput object

Required: No

extraction

Contains configurations for overriding the extraction step of the episodic memory strategy.

Type: EpisodicOverrideExtractionConfigurationInput object

Required: No

reflection

Contains configurations for overriding the reflection step of the episodic memory strategy.

Type: EpisodicOverrideReflectionConfigurationInput object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EpisodicOverrideConsolidationConfigurationInput

Configurations for overriding the consolidation step of the episodic memory strategy.

Contents

appendToPrompt

The text to append to the prompt for the consolidation step of the episodic memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for the consolidation step of the episodic memory strategy.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EpisodicOverrideExtractionConfigurationInput

Configurations for overriding the extraction step of the episodic memory strategy.

Contents

appendToPrompt

The text to append to the prompt for the extraction step of the episodic memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for the extraction step of the episodic memory strategy.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EpisodicOverrideReflectionConfigurationInput

Configurations for overriding the reflection step of the episodic memory strategy.

Contents

appendToPrompt

The text to append to the prompt for reflection step of the episodic memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for the reflection step of the episodic memory strategy.

Type: String

Required: Yes

memoryRecordSchema

Schema for metadata fields on records generated by this reflection override.

Type: MemoryRecordSchema object

Required: No

namespaces

This member has been deprecated.

This is a legacy parameter, use `namespaceTemplates`. The namespaces to use for episodic reflection. Can be less nested than the episodic namespaces.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

namespaceTemplates

The namespaceTemplates to use for episodic reflection. Can be less nested than the episodic namespaces.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EpisodicReflectionConfiguration

The configuration for the reflections created with the episodic memory strategy.

Contents

memoryRecordSchema

"Schema for metadata fields on records generated by reflections.

Type: MemoryRecordSchema object

Required: No

namespaces

This member has been deprecated.

This is a legacy parameter, use `namespaceTemplates`. The namespaces for which to create reflections. Can be less nested than the episodic namespaces.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

namespaceTemplates

The namespaceTemplates for which to create reflections. Can be less nested than the episodic namespaces.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EpisodicReflectionConfigurationInput

An episodic reflection configuration input.

Contents

memoryRecordSchema

Schema for metadata fields on records generated by reflections.

Type: MemoryRecordSchema object

Required: No

namespaces

This member has been deprecated.

This is a legacy parameter, use `namespaceTemplates`. The namespaces over which to create reflections. Can be less nested than episode namespaces.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

namespaceTemplates

The namespaceTemplates over which to create reflections. Can be less nested than episode namespaces.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EpisodicReflectionOverride

Contains configurations to override the default reflection step for the episodic memory strategy.

Contents

appendToPrompt

The text appended to the prompt for the reflection step of the episodic memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID used for the reflection step of the episodic memory strategy.

Type: String

Required: Yes

memoryRecordSchema

Schema for metadata fields on records generated by this reflection override.

Type: MemoryRecordSchema object

Required: No

namespaces

This member has been deprecated.

This is a legacy parameter. The namespaces over which reflections were created. Can be less nested than the episodic namespaces.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

namespaceTemplates

The namespaceTemplates over which reflections were created. Can be less nested than the episodic namespaces.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EvaluatorConfig

The configuration that defines how an evaluator assesses agent performance, including the evaluation method and parameters.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

codeBased

Configuration for a code-based evaluator that uses a customer-managed Lambda function to programmatically assess agent performance.

Type: CodeBasedEvaluatorConfig object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

derived

The configuration for an evaluator derived from an existing base evaluator (a built-in or third-party evaluator), run on your own model. The base evaluator supplies the prompt and scoring.

Type: DerivedEvaluatorConfig object

Required: No

llmAsAJudge

The LLM-as-a-Judge configuration that uses a language model to evaluate agent performance based on custom instructions and rating scales.

Type: LlmAsAJudgeEvaluatorConfig object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EvaluatorModelConfig

The model configuration that specifies which foundation model to use for evaluation and how to configure it.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

bedrockEvaluatorModelConfig

The Amazon Bedrock model configuration for evaluation.

Type: BedrockEvaluatorModelConfig object

Required: No

responsesEvaluatorModelConfig

The OpenResponses model configuration for evaluation.

Type: OpenResponsesEvaluatorModelConfig object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EvaluatorReference

The reference to an evaluator used in online evaluation configurations, containing the evaluator identifier.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

evaluatorId

The unique identifier of the evaluator. Can reference builtin evaluators (e.g., Builtin.Helpfulness) or custom evaluators.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 111.

Pattern: `(Builtin\.[a-zA-Z0-9._-]+|ThirdParty\.[a-zA-Z0-9_-]+\.[a-zA-Z0-9_-]+|[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10})`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

EvaluatorSummary

The summary information about an evaluator, including basic metadata and status information.

Contents

createdAt

The timestamp when the evaluator was created.

Type: Timestamp

Required: Yes

evaluatorArn

The Amazon Resource Name (ARN) of the evaluator.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:evaluator\/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}$|^arn:aws[a-zA-Z-]*:bedrock-agentcore:::evaluator/(Builtin|ThirdParty)\.[a-zA-Z0-9._-]+`

Required: Yes

evaluatorId

The unique identifier of the evaluator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 111.

Pattern: `(Builtin\.[a-zA-Z0-9._-]+|ThirdParty\.[a-zA-Z0-9_-]+\.[a-zA-Z0-9_-]+|[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10})`

Required: Yes

evaluatorName

The name of the evaluator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `(Builtin\.[a-zA-Z0-9._-]+|ThirdParty\.[a-zA-Z0-9_-]+\.[a-zA-Z0-9_-]+|[a-zA-Z][a-zA-Z0-9_]{0,47})`

Required: Yes

evaluatorType

The type of evaluator, indicating whether it is a built-in evaluator provided by the service or a custom evaluator created by the user.

Type: String

Valid Values: `Builtin | ThirdParty | Custom | CustomCode | CustomDerived`

Required: Yes

status

The current status of the evaluator.

Type: String

Valid Values: `ACTIVE | CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | DELETING`

Required: Yes

updatedAt

The timestamp when the evaluator was last updated.

Type: Timestamp

Required: Yes

description

The description of the evaluator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

kmsKeyArn

The Amazon Resource Name (ARN) of the customer managed Amazon KMS key used to encrypt the evaluator's sensitive data. This field is only present for evaluators encrypted with a customer managed key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

level

The evaluation level (`TOOL_CALL`, `TRACE`, or `SESSION`) that determines the scope of evaluation.

Type: String

Valid Values: `TOOL_CALL | TRACE | SESSION`

Required: No

lockedForModification

Whether the evaluator is locked for modification due to being referenced by active online evaluation configurations.

Type: Boolean

Required: No

provider

The source of the evaluator's logic: Amazon, a third-party library, or you.

Type: String

Valid Values: `AWS | DeepEval | AutoEval | Custom`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ExtractionConfig

Configuration for metadata extraction from conversational content.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

llmExtractionConfig

Model-based extraction using a definition and instructions.

Type: LlmExtractionConfig object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ExtractionConfiguration

Contains extraction configuration information for a memory strategy.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

customExtractionConfiguration

The custom extraction configuration.

Type: CustomExtractionConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilesystemConfiguration

Configuration for a filesystem that can be mounted into the AgentCore Runtime.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

capacityProviderVolume

Configuration for a capacity provider volume to mount into the AgentCore Runtime. This mounts a persistent volume that is defined on the capacity provider, referenced by its logical name.

Type: CapacityProviderVolumeConfiguration object

Required: No

efsAccessPoint

Configuration for an Amazon EFS access point to mount into the AgentCore Runtime.

Type: EfsAccessPointConfiguration object

Required: No

s3FilesAccessPoint

Configuration for an Amazon S3 Files access point to mount into the AgentCore Runtime.

Type: S3FilesAccessPointConfiguration object

Required: No

sessionStorage

Configuration for session storage. Session storage provides persistent storage that is preserved across AgentCore Runtime session invocations.

Type: SessionStorageConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Filter

The filter that applies conditions to agent traces during online evaluation to determine which traces should be evaluated.

Contents

key

The key or field name to filter on within the agent trace data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9._-]+`

Required: Yes

operator

The comparison operator to use for filtering.

Type: String

Valid Values: `Equals | NotEquals | GreaterThan | LessThan | GreaterThanOrEqual | LessThanOrEqual | Contains | NotContains`

Required: Yes

value

The value to compare against using the specified operator.

Type: FilterValue object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterValue

The value used in filter comparisons, supporting different data types for flexible filtering criteria.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

booleanValue

The boolean value for true/false filtering conditions.

Type: Boolean

Required: No

doubleValue

The numeric value for numerical filtering and comparisons.

Type: Double

Required: No

stringValue

The string value for text-based filtering.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Finding

Represents a finding or issue discovered during policy generation or validation. Findings provide insights about potential problems, recommendations, or validation results from policy analysis operations. Finding types include: VALID (policy is ready to use), INVALID (policy has validation errors that must be fixed), NOT_TRANSLATABLE (input couldn't be converted to policy), ALLOW_ALL (policy would allow all actions, potential security risk), ALLOW_NONE (policy would allow no actions, unusable), DENY_ALL (policy would deny all actions, may be too restrictive), and DENY_NONE (policy would deny no actions, ineffective). Review all findings before creating policies from generated assets to ensure they match your security requirements.

Contents

description

A human-readable description of the finding. This provides detailed information about the issue, recommendation, or validation result to help users understand and address the finding.

Type: String

Required: No

type

The type or category of the finding. This classifies the finding as an error, warning, recommendation, or informational message to help users understand the severity and nature of the issue.

Type: String

Valid Values: `VALID | INVALID | NOT_TRANSLATABLE | ALLOW_ALL | ALLOW_NONE | DENY_ALL | DENY_NONE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FromUrlSynchronizationConfiguration

Configuration for synchronizing from a URL-based MCP server.

Contents

url

The HTTPS URL of the MCP server to synchronize from.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `https://.*`

Required: Yes

credentialProviderConfigurations

Optional list of credential provider configurations for authenticating with the MCP server. At most one credential provider configuration can be specified.

Type: Array of RegistryRecordCredentialProviderConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GatewayInterceptorConfiguration

The configuration for an interceptor on a gateway. This structure defines settings for an interceptor that will be invoked during the invocation of the gateway.

Contents

interceptionPoints

The supported points of interception. This field specifies which points during the gateway invocation to invoke the interceptor

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Valid Values: `REQUEST | RESPONSE`

Required: Yes

interceptor

The infrastructure settings of an interceptor configuration. This structure defines how the interceptor can be invoked.

Type: InterceptorConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

inputConfiguration

The configuration for the input of the interceptor. This field specifies how the input to the interceptor is constructed

Type: InterceptorInputConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GatewayPolicyEngineConfiguration

The configuration for a policy engine associated with a gateway. A policy engine is a collection of policies that evaluates and authorizes agent tool calls. When associated with a gateway, the policy engine intercepts all agent requests and determines whether to allow or deny each action based on the defined policies.

Contents

arn

The ARN of the policy engine. The policy engine contains Cedar or Dogwood policies that define fine-grained authorization rules specifying who can perform what actions on which resources as agents interact through the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 170.

Pattern: `arn:aws:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:policy-engine\/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9_]{10}`

Required: Yes

mode

The enforcement mode for the policy engine. Valid values include:

- `LOG_ONLY` - The policy engine evaluates each action against your policies and adds traces on whether tool calls would be allowed or denied, but does not enforce the decision. Use this mode to test and validate policies before enabling enforcement.
- `ENFORCE` - The policy engine evaluates actions against your policies and enforces decisions by allowing or denying agent operations. Test and validate policies in `LOG_ONLY` mode before enabling enforcement to avoid unintended denials or adversely affecting production traffic.

Type: String

Valid Values: `LOG_ONLY | ENFORCE`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GatewayProtocolConfiguration

The configuration for a gateway protocol. This structure defines how the gateway communicates with external services.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

mcp

The configuration for the Model Context Protocol (MCP). This protocol enables communication between Amazon Bedrock Agent and external tools.

Type: MCPGatewayConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GatewayRateLimitDetail

Contains detailed information about a gateway rate limit, including its configuration and current status.

Contents

createdAt

The timestamp when the rate limit was created.

Type: Timestamp

Required: Yes

dimensionKeys

The ordered list of dimension key names that define the scope of this rate limit.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 80.

Pattern: `(targetName|toolName|qualifiedModelId|\$\.context\.iam\.principal|\$\.context\.iam\.sourceIdentity|\$\.context\.jwt\.[a-zA-Z_][a-zA-Z0-9_\-\.]{0,61}[a-zA-Z0-9_])`

Required: Yes

entries

The list of rule entries that map dimension values to rate configurations.

Type: Array of LimitEntry objects

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

Required: Yes

gatewayIdentifier

The unique identifier of the gateway.

Type: String

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

rateLimitId

The unique identifier of the rate limit.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9\-_\.]{0,62}[a-zA-Z0-9]`

Required: Yes

status

The current status of the rate limit.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING`

Required: Yes

updatedAt

The timestamp when the rate limit was last updated.

Type: Timestamp

Required: Yes

description

The human-readable description of the rate limit.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GatewayRuleDetail

Detailed information about a gateway rule.

Contents

actions

The actions to take when the rule conditions are met.

Type: Array of Action objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: Yes

createdAt

The timestamp when the rule was created.

Type: Timestamp

Required: Yes

gatewayArn

The Amazon Resource Name (ARN) of the gateway that the rule belongs to.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}:[0-9]{12}:gateway/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

Required: Yes

priority

The priority of the rule. Rules are evaluated in order of priority, with lower numbers evaluated first.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000000.

Required: Yes

ruleId

The unique identifier of the gateway rule.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

status

The current status of the rule.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING`

Required: Yes

conditions

The conditions that must be met for the rule to apply.

Type: Array of Condition objects

Array Members: Minimum number of 0 items. Maximum number of 2 items.

Required: No

description

The description of the gateway rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

system

System-managed metadata for rules created by automated processes.

Type: SystemManagedBlock object

Required: No

updatedAt

The timestamp when the rule was last updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GatewaySummary

Contains summary information about a gateway.

Contents

authorizerType

The type of authorizer used by the gateway.

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM | NONE | AUTHENTICATE_ONLY`

Required: Yes

createdAt

The timestamp when the gateway was created.

Type: Timestamp

Required: Yes

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

name

The name of the gateway.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,48}`

Required: Yes

status

The current status of the gateway.

Type: String

Valid Values: `CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED`

Required: Yes

updatedAt

The timestamp when the gateway was last updated.

Type: Timestamp

Required: Yes

description

The description of the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

protocolType

The protocol type used by the gateway.

Type: String

Valid Values: `MCP`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GatewayTarget

The gateway target.

Contents

createdAt

The date and time at which the target was created.

Type: Timestamp

Required: Yes

credentialProviderConfigurations

The provider configurations.

Type: Array of CredentialProviderConfiguration objects

Array Members: Fixed number of 1 item.

Required: Yes

gatewayArn

The Amazon Resource Name (ARN) of the gateway target.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}:[0-9]{12}:gateway/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

Required: Yes

name

The name of the gateway target.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,100}`

Required: Yes

status

The status of the gateway target.

Type: String

Valid Values: `CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED | SYNCHRONIZING | SYNCHRONIZE_UNSUCCESSFUL | CREATE_PENDING_AUTH | UPDATE_PENDING_AUTH | SYNCHRONIZE_PENDING_AUTH`

Required: Yes

targetConfiguration

The configuration for a gateway target. This structure defines how the gateway connects to and interacts with the target endpoint.

Type: TargetConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

targetId

The target ID.

Type: String

Pattern: `[0-9a-zA-Z]{10}`

Required: Yes

updatedAt

The date and time at which the target was updated.

Type: Timestamp

Required: Yes

authorizationData

OAuth2 authorization data for the gateway target. This data is returned when a target is configured with a credential provider with authorization code grant type and requires user federation.

Type: AuthorizationData object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

description

The description for the gateway target.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

lastSynchronizedAt

The last synchronization time.

Type: Timestamp

Required: No

metadataConfiguration

The metadata configuration for HTTP header and query parameter propagation to and from this gateway target.

Type: MetadataConfiguration object

Required: No

privateEndpoint

The private endpoint configuration for a gateway target. Defines how the gateway connects to private resources in your VPC.

Type: PrivateEndpoint object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

privateEndpointManagedResources

A list of managed resources created by the gateway for private endpoint connectivity. These resources are created in your account when you use a managed VPC Lattice resource configuration.

Type: Array of ManagedResourceDetails objects

Required: No

protocolType

The protocol type of the gateway target.

Type: String

Valid Values: `MCP | HTTP`

Required: No

statusReasons

The status reasons for the target status.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GithubOauth2ProviderConfigInput

Input configuration for a GitHub OAuth2 provider.

Contents

clientId

The client ID for the GitHub OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

clientSecret

The client secret for the GitHub OAuth2 provider.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

clientSecretConfig

A reference to the Amazon Secrets Manager secret that stores the client secret. This includes the secret ID and the JSON key used to extract the client secret value from the secret. Required when `clientSecretSource` is set to `EXTERNAL`.

Type: SecretReference object

Required: No

clientSecretSource

The source type of the client secret. Use `MANAGED` if the secret is managed by the service, or `EXTERNAL` if you manage the secret yourself in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED` | `EXTERNAL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GithubOauth2ProviderConfigOutput

Output configuration for a GitHub OAuth2 provider.

Contents

oauthDiscovery

The OAuth2 discovery information for the GitHub provider.

Type: Oauth2Discovery object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

clientId

The client ID for the GitHub OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GoogleOauth2ProviderConfigInput

Input configuration for a Google OAuth2 provider.

Contents

clientId

The client ID for the Google OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

clientSecret

The client secret for the Google OAuth2 provider.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

clientSecretConfig

A reference to the Amazon Secrets Manager secret that stores the client secret. This includes the secret ID and the JSON key used to extract the client secret value from the secret. Required when `clientSecretSource` is set to `EXTERNAL`.

Type: SecretReference object

Required: No

clientSecretSource

The source type of the client secret. Use `MANAGED` if the secret is managed by the service, or `EXTERNAL` if you manage the secret yourself in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED` | `EXTERNAL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GoogleOauth2ProviderConfigOutput

Output configuration for a Google OAuth2 provider.

Contents

oauthDiscovery

The OAuth2 discovery information for the Google provider.

Type: Oauth2Discovery object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

clientId

The client ID for the Google OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Harness

Representation of a harness.

Contents

allowedTools

The allowed tools of the harness. All tools are allowed by default.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `(\*|@?[^/]+(/[^/]+)?)`

Required: Yes

arn

The ARN of the harness.

Type: String

Pattern: `arn:([^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:harness/[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}`

Required: Yes

createdAt

The createdAt time of the harness.

Type: Timestamp

Required: Yes

environment

The compute environment on which the Harness runs.

Type: HarnessEnvironmentProvider object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

executionRoleArn

IAM role the harness assumes when running.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: Yes

harnessId

The ID of the harness.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}`

Required: Yes

harnessName

The name of the harness.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}`

Required: Yes

model

The configuration of the default model used by the Harness.

Type: HarnessModelConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

skills

The skills of the harness.

Type: Array of HarnessSkill objects

Required: Yes

status

The status of the harness.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

Required: Yes

systemPrompt

The system prompt of the harness.

Type: Array of HarnessSystemContentBlock objects

Required: Yes

tools

The tools of the harness.

Type: Array of HarnessTool objects

Required: Yes

truncation

Configuration for truncating model context.

Type: HarnessTruncationConfiguration object

Required: Yes

updatedAt

The updatedAt time of the harness.

Type: Timestamp

Required: Yes

authorizerConfiguration

Represents inbound authorization configuration options used to authenticate incoming requests.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

environmentArtifact

The environment artifact (e.g., container) in which the Harness operates.

Type: HarnessEnvironmentArtifact object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

environmentVariables

Environment variables exposed in the environment in which the harness operates.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 100.

Value Length Constraints: Minimum length of 0. Maximum length of 5000.

Required: No

failureReason

Reason why create or update operations fail.

Type: String

Required: No

harnessVersion

The version of the harness. Incremented on every successful UpdateHarness.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Required: No

hooks

The lifecycle hooks configured for the harness.

Type: Array of HarnessHook objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: No

maxIterations

The maximum number of iterations in the agent loop allowed before exiting per invocation.

Type: Integer

Required: No

maxTokens

The maximum total number of output tokens the agent can generate across all model calls within a single invocation.

Type: Integer

Required: No

memory

AgentCore Memory instance configuration for short and long term memory.

Type: HarnessMemoryConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

timeoutSeconds

The maximum duration per invocation.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessAfterInvocationHook

The configuration for a hook that runs after an invocation completes.

Contents

name

The name of the hook.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

target

The target that receives the hook event.

Type: HarnessHookTarget object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessAfterToolCallHook

The configuration for a hook that runs after a tool call completes.

Contents

name

The name of the hook.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

target

The target that receives the hook event.

Type: HarnessHookTarget object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessAgentCoreBrowserConfig

Configuration for AgentCore Browser.

Contents

browserArn

If not populated, the built-in Browser ARN is used.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:(aws|[0-9]{12}):browser(-custom)?/(aws\.browser\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessAgentCoreCodeInterpreterConfig

Configuration for AgentCore Code Interpreter.

Contents

codeInterpreterArn

If not populated, the built-in Code Interpreter ARN is used.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:(aws|[0-9]{12}):code-interpreter(-custom)?/(aws\.codeinterpreter\.v1|[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10})`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessAgentCoreGatewayConfig

Configuration for AgentCore Gateway.

Contents

gatewayArn

The ARN of the desired AgentCore Gateway.

Type: String

Pattern: `arn:aws(|-cn|-us-gov):bedrock-agentcore:[a-z0-9-]{1,20}:[0-9]{12}:gateway/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

Required: Yes

outboundAuth

How harness authenticates to this Gateway. Defaults to AWS_IAM (SigV4) if omitted.

Type: HarnessGatewayOutboundAuth object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessAgentCoreMemoryConfiguration

Configuration for AgentCore Memory integration.

Contents

arn

The ARN of the AgentCore Memory resource.

Type: String

Pattern: `arn:aws:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:memory\/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

actorId

The actor ID for memory operations.

Type: String

Required: No

messagesCount

The number of messages to retrieve from memory.

Type: Integer

Required: No

retrievalConfig

The retrieval configuration for long-term memory, mapping namespace path templates to retrieval settings.

Type: String to HarnessAgentCoreMemoryRetrievalConfig object map

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessAgentCoreMemoryRetrievalConfig

Configuration for memory retrieval within a namespace.

Contents

relevanceScore

The minimum relevance score for retrieved memories.

Type: Float

Required: No

strategyId

The ID of the retrieval strategy to use.

Type: String

Required: No

topK

The maximum number of memory entries to retrieve.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessAgentCoreRuntimeEnvironment

The AgentCore Runtime environment for a harness.

Contents

agentRuntimeArn

The ARN of the underlying AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 1011.

Required: Yes

agentRuntimeId

The ID of the underlying AgentCore Runtime.

Type: String

Required: Yes

agentRuntimeName

The name of the underlying AgentCore Runtime.

Type: String

Required: Yes

lifecycleConfiguration

LifecycleConfiguration lets you manage the lifecycle of runtime sessions and resources in AgentCore Runtime. This configuration helps optimize resource utilization by automatically cleaning up idle sessions and preventing long-running instances from consuming resources indefinitely.

Type: LifecycleConfiguration object

Required: Yes

networkConfiguration

SecurityConfig for the Agent.

Type: NetworkConfiguration object

Required: Yes

filesystemConfigurations

The filesystem configurations for the runtime environment.

Type: Array of FilesystemConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessAgentCoreRuntimeEnvironmentRequest

The AgentCore Runtime environment request configuration.

Contents

filesystemConfigurations

The filesystem configurations for the runtime environment.

Type: Array of FilesystemConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

lifecycleConfiguration

LifecycleConfiguration lets you manage the lifecycle of runtime sessions and resources in AgentCore Runtime. This configuration helps optimize resource utilization by automatically cleaning up idle sessions and preventing long-running instances from consuming resources indefinitely.

Type: LifecycleConfiguration object

Required: No

networkConfiguration

SecurityConfig for the Agent.

Type: NetworkConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

HarnessBedrockModelConfig

Configuration for an Amazon Bedrock model provider.

Contents

modelId

The Bedrock model ID.

Type: String

Required: Yes

additionalParams

Provider-specific parameters passed through to the model provider unchanged.

Type: JSON value

Required: No

apiFormat

The API format to use when calling the Bedrock provider.

Type: String

Valid Values: `converse_stream | responses | chat_completions`

Required: No

maxTokens

The maximum number of tokens to allow in the generated response per model call.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

temperature

The temperature to set when calling the model.

Type: Float

Valid Range: Minimum value of 0.0. Maximum value of 2.0.

Required: No

topP

The topP set when calling the model.

Type: Float

Valid Range: Minimum value of 0.0. Maximum value of 1.0.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessBeforeInvocationHook

The configuration for a hook that runs before an invocation begins.

Contents

name

The name of the hook.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

target

The target that receives the hook event.

Type: HarnessHookTarget object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessBeforeToolCallHook

The configuration for a hook that runs before the agent calls a tool.

Contents

name

The name of the hook.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

target

The target that receives the hook event.

Type: HarnessHookTarget object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessDisabledMemoryConfiguration

Explicitly opt out of memory.

Contents

The members of this exception structure are context-dependent.

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessEndpoint

Representation of a harness endpoint. An endpoint is a named, stable reference to a specific version of a harness that callers invoke, allowing the underlying version to be updated without changing how the agent is invoked.

Contents

arn

The ARN of the endpoint.

Type: String

Pattern: `arn:([^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:harness/[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}/harness-endpoint/[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

createdAt

The timestamp when the endpoint was created.

Type: Timestamp

Required: Yes

endpointName

The name of the endpoint.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

harnessId

The ID of the harness that the endpoint belongs to.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}`

Required: Yes

harnessName

The name of the harness that the endpoint belongs to.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}`

Required: Yes

status

The status of the endpoint.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

Required: Yes

updatedAt

The timestamp when the endpoint was last updated.

Type: Timestamp

Required: Yes

description

The description of the endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

failureReason

The reason the endpoint's last create or update operation failed.

Type: String

Required: No

liveVersion

The harness version that the endpoint is currently serving.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Required: No

targetVersion

The harness version that the endpoint points to. While an update is in progress, this can differ from the live version until the endpoint finishes transitioning.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessEnvironmentArtifact

The environment artifact for a harness, such as a container image containing custom dependencies.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

containerConfiguration

Representation of a container configuration.

Type: ContainerConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessEnvironmentProvider

The environment provider for a harness.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

agentCoreRuntimeEnvironment

The AgentCore Runtime environment configuration.

Type: HarnessAgentCoreRuntimeEnvironment object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessEnvironmentProviderRequest

The environment provider request configuration.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

agentCoreRuntimeEnvironment

The AgentCore Runtime environment configuration.

Type: HarnessAgentCoreRuntimeEnvironmentRequest object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessGatewayOutboundAuth

Authentication method for calling a Gateway.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

awsIam

SigV4-sign requests using the agent's execution role.

Type: Structure

Required: No

none

No authentication.

Type: Structure

Required: No

oauth

Use OAuth credentials for outbound authentication to the gateway.

Type: OAuthCredentialProvider object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessGeminiModelConfig

Configuration for a Google Gemini model provider. Requires an API key stored in AgentCore Identity.

Contents

apiKeyArn

The ARN of your Gemini API key on AgentCore Identity.

Type: String

Pattern: `arn:aws:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/apikeycredentialprovider/[a-zA-Z0-9-.]+`

Required: Yes

modelId

The Gemini model ID.

Type: String

Required: Yes

additionalParams

Provider-specific parameters passed through to the Gemini model provider unchanged.

Type: JSON value

Required: No

maxTokens

The maximum number of tokens to allow in the generated response per model call.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

temperature

The temperature to set when calling the model.

Type: Float

Valid Range: Minimum value of 0.0. Maximum value of 2.0.

Required: No

topK

The topK set when calling the model.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 500.

Required: No

topP

The topP set when calling the model.

Type: Float

Valid Range: Minimum value of 0.0. Maximum value of 1.0.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessHook

A lifecycle hook configuration. Specify one hook type.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

afterInvocation

A hook that runs after an invocation completes.

Type: HarnessAfterInvocationHook object

Required: No

afterToolCall

A hook that runs after a tool call completes.

Type: HarnessAfterToolCallHook object

Required: No

beforeInvocation

A hook that runs before an invocation begins.

Type: HarnessBeforeInvocationHook object

Required: No

beforeToolCall

A hook that runs before the agent calls a tool.

Type: HarnessBeforeToolCallHook object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessHookEventBridgeTarget

The configuration for an Amazon EventBridge hook target.

Contents

arn

The ARN of the Amazon EventBridge event bus to send hook events to.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:events:[a-z0-9-]+:[0-9]{12}:event-bus/.+`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessHookLambdaTarget

The configuration for an Amazon Lambda hook target.

Contents

arn

The ARN of the Lambda function to invoke.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:lambda:[a-z0-9-]+:[0-9]{12}:function:.+`

Required: Yes

failureMode

The behavior when the Lambda function times out, returns an error, or returns an invalid response. The default is `DENY`.

Type: String

Valid Values: `allow | deny`

Required: No

timeoutSeconds

The maximum number of seconds to wait for the Lambda function response. The default is 60 seconds.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 900.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessHookSnsTarget

The configuration for an Amazon SNS hook target.

Contents

arn

The ARN of the Amazon SNS topic to publish hook events to.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:sns:[a-z0-9-]+:[0-9]{12}:.+`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessHookTarget

The target that receives lifecycle hook events. Specify one target type.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

eventBridge

An Amazon EventBridge hook target that sends the hook event without waiting for a response.

Type: HarnessHookEventBridgeTarget object

Required: No

lambda

A Lambda hook target that invokes an Amazon Lambda function synchronously and waits for its response.

Type: HarnessHookLambdaTarget object

Required: No

sns

An Amazon SNS hook target that publishes the hook event without waiting for a response.

Type: HarnessHookSnsTarget object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessInlineFunctionConfig

Configuration for an inline function tool. When the agent calls this tool, the tool call is returned to the caller for external execution.

Contents

description

Description of what the tool does, provided to the model.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

inputSchema

JSON Schema describing the tool's input parameters.

Type: JSON value

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessLiteLlmModelConfig

Configuration for a LiteLLM model provider, enabling connection to third-party model providers.

Contents

modelId

The LiteLLM model identifier (e.g., "anthropic/claude-3-sonnet").

Type: String

Required: Yes

additionalParams

Provider-specific parameters passed through to the model provider unchanged.

Type: JSON value

Required: No

apiBase

The base URL for the model provider's API endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 16383.

Required: No

apiKeyArn

The ARN of the API key in AgentCore Identity for authenticating with the model provider.

Type: String

Pattern: `arn:aws:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/apikeycredentialprovider/[a-zA-Z0-9-.]+`

Required: No

maxTokens

The maximum number of tokens to allow in the generated response per iteration.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

temperature

The temperature to set when calling the model.

Type: Float

Valid Range: Minimum value of 0.0. Maximum value of 2.0.

Required: No

topP

The topP set when calling the model.

Type: Float

Valid Range: Minimum value of 0.0. Maximum value of 1.0.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessManagedMemoryConfiguration

Configuration for managed memory creation.

Contents

arn

The ARN of the managed AgentCore Memory resource. Read-only on Get, ignored on Create/Update input.

Type: String

Pattern: `arn:aws:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:memory\/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: No

encryptionKeyArn

Customer-managed KMS key. Defaults to Amazon-owned key. Not updatable after creation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

eventExpiryDuration

Event retention in days. Defaults to 30.

Type: Integer

Valid Range: Minimum value of 3. Maximum value of 365.

Required: No

strategies

Strategy types to enable. Defaults to [SEMANTIC, SUMMARIZATION].

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 4 items.

Valid Values: `SEMANTIC | SUMMARIZATION | USER_PREFERENCE | EPISODIC`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessMemoryConfiguration

The memory configuration for a harness.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

agentCoreMemoryConfiguration

The AgentCore Memory configuration.

Type: HarnessAgentCoreMemoryConfiguration object

Required: No

disabled

Explicitly opt out of memory.

Type: HarnessDisabledMemoryConfiguration object

Required: No

managedMemoryConfiguration

Harness creates and manages a memory resource in the customer's account.

Type: HarnessManagedMemoryConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessModelConfiguration

Specification of which model to use.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

bedrockModelConfig

Configuration for an Amazon Bedrock model.

Type: HarnessBedrockModelConfig object

Required: No

geminiModelConfig

Configuration for a Google Gemini model.

Type: HarnessGeminiModelConfig object

Required: No

liteLlmModelConfig

The LiteLLM model configuration for connecting to third-party model providers.

Type: HarnessLiteLlmModelConfig object

Required: No

openAiModelConfig

Configuration for an OpenAI model.

Type: HarnessOpenAiModelConfig object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessOpenAiModelConfig

Configuration for an OpenAI model provider. Requires an API key stored in AgentCore Identity.

Contents

apiKeyArn

The ARN of your OpenAI API key on AgentCore Identity.

Type: String

Pattern: `arn:aws:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/apikeycredentialprovider/[a-zA-Z0-9-.]+`

Required: Yes

modelId

The OpenAI model ID.

Type: String

Required: Yes

additionalParams

Provider-specific parameters passed through to the model provider unchanged.

Type: JSON value

Required: No

apiBase

Optional custom endpoint URL for an OpenAI-compatible endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 16383.

Required: No

apiFormat

The API format to use when calling the OpenAI provider.

Type: String

Valid Values: `chat_completions | responses`

Required: No

maxTokens

The maximum number of tokens to allow in the generated response per model call.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

temperature

The temperature to set when calling the model.

Type: Float

Valid Range: Minimum value of 0.0. Maximum value of 2.0.

Required: No

topP

The topP set when calling the model.

Type: Float

Valid Range: Minimum value of 0.0. Maximum value of 1.0.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessRemoteMcpConfig

Configuration for connecting to a remote MCP server.

Contents

url

URL of the MCP endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 16383.

Required: Yes

headers

Custom headers to include when connecting to the remote MCP server.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 16383.

Value Length Constraints: Minimum length of 1. Maximum length of 16383.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessSkill

A skill available to the agent.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

awsSkills

Amazon Skills baked into the harness's underlying Runtime.

Type: HarnessSkillAwsSkillsSource object

Required: No

git

A git repository containing the skill.

Type: HarnessSkillGitSource object

Required: No

path

The filesystem path to the skill definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

s3

An S3 source containing the skill.

Type: HarnessSkillS3Source object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessSkillAwsSkillsSource

Passed to show that Amazon Skills should be included.

Contents

paths

Optionally filter allowed skills with glob syntax, e.g., ['core-skills/*'].

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: `([^*?\[\]]|\*)+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessSkillGitAuth

Authentication configuration for accessing a private git repository.

Contents

credentialArn

The ARN of the credential in AgentCore Identity containing the password or personal access token.

Type: String

Pattern: `arn:aws:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/apikeycredentialprovider/[a-zA-Z0-9-.]+`

Required: Yes

username

Username for authentication. Defaults to 'oauth2' if not specified.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessSkillGitSource

A git repository source for a skill.

Contents

url

The HTTPS URL of the git repository.

Type: String

Length Constraints: Minimum length of 8. Maximum length of 16383.

Pattern: `https://[^#@]+`

Required: Yes

auth

Authentication configuration for private repositories.

Type: HarnessSkillGitAuth object

Required: No

path

Subdirectory within the repository containing the skill.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessSkillS3Source

An S3 source for a skill.

Contents

uri

The S3 URI pointing to the skill directory (e.g., s3://bucket/skills/my-skill/).

Type: String

Length Constraints: Minimum length of 5. Maximum length of 16383.

Pattern: `s3://.*`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessSlidingWindowConfiguration

Configuration for sliding window truncation strategy.

Contents

messagesCount

The number of recent messages to retain in the context window.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessSummarizationConfiguration

Configuration for summarization-based truncation strategy.

Contents

preserveRecentMessages

The number of recent messages to preserve without summarization.

Type: Integer

Required: No

summarizationSystemPrompt

The system prompt used for generating summaries.

Type: String

Required: No

summaryRatio

The ratio of content to summarize.

Type: Float

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessSummary

Summary information about a harness.

Contents

arn

The ARN of the harness.

Type: String

Pattern: `arn:([^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:harness/[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}`

Required: Yes

createdAt

The timestamp when the harness was created.

Type: Timestamp

Required: Yes

harnessId

The ID of the harness.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}`

Required: Yes

harnessName

The name of the harness.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}`

Required: Yes

status

The current status of the harness.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

Required: Yes

updatedAt

The timestamp when the harness was last updated.

Type: Timestamp

Required: Yes

harnessVersion

The latest version of the harness.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessSystemContentBlock

A content block in the system prompt.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

text

The text content of the system prompt block.

Type: String

Length Constraints: Minimum length of 1.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessTool

A tool available to the agent loop.

Contents

type

The type of tool.

Type: String

Valid Values: `remote_mcp | agentcore_browser | agentcore_gateway | inline_function | agentcore_code_interpreter`

Required: Yes

config

Tool-specific configuration.

Type: HarnessToolConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

name

Unique name for the tool. If not provided, a name will be inferred or generated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessToolConfiguration

Configuration union for different tool types.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

agentCoreBrowser

Configuration for AgentCore Browser.

Type: HarnessAgentCoreBrowserConfig object

Required: No

agentCoreCodeInterpreter

Configuration for AgentCore Code Interpreter.

Type: HarnessAgentCoreCodeInterpreterConfig object

Required: No

agentCoreGateway

Configuration for AgentCore Gateway.

Type: HarnessAgentCoreGatewayConfig object

Required: No

inlineFunction

Configuration for an inline function tool.

Type: HarnessInlineFunctionConfig object

Required: No

remoteMcp

Configuration for remote MCP server.

Type: HarnessRemoteMcpConfig object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessTruncationConfiguration

Configuration for truncating conversation context when it exceeds model limits.

Contents

strategy

The truncation strategy to use.

Type: String

Valid Values: `sliding_window | summarization | none`

Required: Yes

config

The strategy-specific configuration.

Type: HarnessTruncationStrategyConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessTruncationStrategyConfiguration

Strategy-specific truncation configuration.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

slidingWindow

Configuration for sliding window truncation.

Type: HarnessSlidingWindowConfiguration object

Required: No

summarization

Configuration for summarization-based truncation.

Type: HarnessSummarizationConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HarnessVersionSummary

Summary information about a single version of a harness.

Contents

arn

The ARN of the harness.

Type: String

Pattern: `arn:([^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:harness/[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}`

Required: Yes

createdAt

The timestamp when this harness version was created.

Type: Timestamp

Required: Yes

harnessId

The ID of the harness.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}-[a-zA-Z0-9]{10}`

Required: Yes

harnessName

The name of the harness.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,39}`

Required: Yes

harnessVersion

The version of the harness that this summary describes.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5.

Pattern: `([1-9][0-9]{0,4})`

Required: Yes

status

The status of this harness version.

Type: String

Valid Values: `CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | READY | DELETING | DELETE_FAILED`

Required: Yes

updatedAt

The timestamp when this harness version was last updated.

Type: Timestamp

Required: Yes

failureReason

Reason why the create or update operation for this harness version failed.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HostingEnvironment

A hosting environment whose workloads are allowed to invoke the target. At launch, the only supported hosting environment is AgentCore Gateway.

Contents

arn

The Amazon Resource Name (ARN) of the hosting environment.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 1011.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HttpApiSchemaConfiguration

The API schema configuration for an HTTP target. This schema defines the API structure that the target exposes.

Contents

source

Configuration for API schema.

Type: ApiSchemaConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HttpConnectorSource

The source identifying the HTTP connector integration.

Contents

connectorId

The identifier for the HTTP connector integration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HttpConnectorTargetConfiguration

The configuration for an HTTP connector target. Use this configuration when you want to route HTTP requests through a managed connector.

Contents

source

The source configuration identifying which HTTP connector to use.

Type: HttpConnectorSource object

Required: Yes

parameters

The resource parameters for this connector (for example, `memoryId`). The service validates these parameters against the request path at runtime.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 10 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z][a-zA-Z0-9_-]*`

Value Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HttpTargetConfiguration

The HTTP target configuration for a gateway target. Contains the configuration for HTTP-based target endpoints.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

agentcoreRuntime

The AgentCore Runtime target configuration for HTTP-based communication with an agent runtime.

Type: RuntimeTargetConfiguration object

Required: No

connector

The connector-based configuration for the HTTP target. Use this configuration when you want to route HTTP requests through a managed connector.

Type: HttpConnectorTargetConfiguration object

Required: No

passthrough

The passthrough configuration for the HTTP target. A passthrough target forwards requests directly to an external HTTP endpoint.

Type: PassthroughTargetConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

IamCredentialProvider

An IAM credential provider for gateway authentication. This structure contains the configuration for authenticating with the target endpoint using IAM credentials and SigV4 signing.

Contents

service

The target Amazon service name used for SigV4 signing. This value identifies the service that the gateway authenticates with when making requests to the target endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9._-]+`

Required: Yes

region

The Amazon Region used for SigV4 signing. If not specified, defaults to the gateway's Region.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `[a-zA-Z0-9-]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

IamPrincipal

An IAM principal specification for rule matching.

Contents

arn

The Amazon Resource Name (ARN) of the IAM principal. Supports user, role, and assumed-role ARNs. Wildcards can be used with the `StringLike` operator.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `(arn:aws[a-zA-Z-]*:iam::(\d{12}|\*):(user|role)/[\w+=,.@*?/-]+|arn:aws[a-zA-Z-]*:sts::(\d{12}|\*):assumed-role/[\w+=,.@*?/-]+)`

Required: Yes

operator

The match operator. `StringEquals` requires an exact match. `StringLike` supports wildcard patterns using `*` and `?`.

Type: String

Valid Values: `StringEquals | StringLike`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

IncludedOauth2ProviderConfigInput

Configuration settings for connecting to a supported OAuth2 provider. This includes client credentials and OAuth2 discovery information for providers that have built-in support.

Contents

clientId

The client ID for the supported OAuth2 provider. This identifier is assigned by the OAuth2 provider when you register your application.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

authorizationEndpoint

OAuth2 authorization endpoint for your isolated OAuth2 application tenant. This is where users are redirected to authenticate and authorize access to their resources.

Type: String

Required: No

clientSecret

The client secret for the supported OAuth2 provider. This secret is assigned by the OAuth2 provider and used along with the client ID to authenticate your application.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

clientSecretConfig

A reference to the Amazon Secrets Manager secret that stores the client secret. This includes the secret ID and the JSON key used to extract the client secret value from the secret. Required when `clientSecretSource` is set to `EXTERNAL`.

Type: SecretReference object

Required: No

clientSecretSource

The source type of the client secret. Use `MANAGED` if the secret is managed by the service, or `EXTERNAL` if you manage the secret yourself in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED | EXTERNAL`

Required: No

issuer

Token issuer of your isolated OAuth2 application tenant. This URL identifies the authorization server that issues tokens for this provider.

Type: String

Required: No

tokenEndpoint

OAuth2 token endpoint for your isolated OAuth2 application tenant. This is where authorization codes are exchanged for access tokens.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

IncludedOauth2ProviderConfigOutput

The configuration details returned for a supported OAuth2 provider, including client credentials and OAuth2 discovery information.

Contents

oauthDiscovery

Contains the discovery information for an OAuth2 provider.

Type: Oauth2Discovery object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

clientId

The client ID for the supported OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

IndexedKey

A metadata key indexed for filtering.

Contents

key

The metadata key name to index.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: Yes

type

The data type of the indexed key.

Type: String

Valid Values: `STRING | STRINGLIST | NUMBER`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InferenceConfiguration

The configuration parameters that control how the foundation model behaves during evaluation, including response generation settings.

Contents

maxTokens

The maximum number of tokens to generate in the model response during evaluation.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

stopSequences

The list of sequences that will cause the model to stop generating tokens when encountered.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 2500 items.

Length Constraints: Minimum length of 1.

Required: No

temperature

The temperature value that controls randomness in the model's responses. Lower values produce more deterministic outputs.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 1.

Required: No

topP

The top-p sampling parameter that controls the diversity of the model's responses by limiting the cumulative probability of token choices.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 1.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InferenceConnectorSource

The source identifying the inference connector.

Contents

connectorId

The identifier for the inference connector (for example, `bedrock-mantle`, `openai`, or `anthropic`).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InferenceConnectorTargetConfiguration

The configuration for a connector-based inference target. This configuration uses a built-in connector that provides predefined rules for a large language model (LLM) provider.

Contents

source

The source configuration identifying which inference connector to use.

Type: InferenceConnectorSource object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InferenceOperationConfiguration

The configuration for a specific inference operation, including its request path and the models that the operation supports.

Contents

path

The request path for this operation (for example, `/v1/messages` or `/v1/responses`).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `/[a-zA-Z0-9\-\._/]+`

Required: Yes

models

The list of models supported for this operation.

Type: Array of ModelEntry objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: No

providerPath

The provider path to forward requests to, if it differs from the request path. For example, `/anthropic/v1/messages` when the provider expects a different path than the client-facing `/v1/messages`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `/[a-zA-Z0-9\-\._/]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InferenceProviderTargetConfiguration

The configuration for a provider-based inference target. This configuration explicitly defines the endpoint, model mapping, and operations used to route requests to a large language model (LLM) provider.

Contents

endpoint

The HTTPS endpoint of the inference provider that the gateway forwards requests to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `https://[a-zA-Z0-9\-\.]+(:[0-9]{1,5})?(/.*)?`

Required: Yes

modelMapping

The configuration that translates client-facing model IDs to the model IDs expected by the provider.

Type: ModelMapping object

Required: No

operations

A list of per-operation configurations that map request paths to the models supported for each operation.

Type: Array of InferenceOperationConfiguration objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InferenceTargetConfiguration

The configuration for an inference target. An inference target routes requests to a large language model (LLM) provider, either through a built-in connector or an explicitly configured provider.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

connector

The connector-based inference configuration. Use this option to route requests to an LLM provider through a built-in connector that includes predefined provider rules.

Type: InferenceConnectorTargetConfiguration object

Required: No

provider

The provider-based inference configuration. Use this option to explicitly configure the endpoint, model mapping, and operations for an LLM provider.

Type: InferenceProviderTargetConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InlineExamplesSource

Inline examples provided directly in the request body.

Contents

examples

Examples to add. Each example is assigned an auto-generated UUID.

Type: Array of JSON values

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Insight

A reference to an insight analysis to run against sessions during evaluation. Insights provide deeper analysis beyond individual evaluator scores, including failure detection, user intent clustering, and execution summarization.

Contents

insightId

The unique identifier of the insight to run.

Type: String

Pattern: `(Builtin\.[a-zA-Z0-9._-]+|[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10})`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InstanceLifecycleConfiguration

The configuration that manages the lifecycle of instances in a capacity provider, including idle timeout and maximum lifetime.

Contents

idleInstanceTimeout

The number of seconds an instance can remain idle before it is stopped. An instance is considered idle when all of its agents are idle. The default is 900 seconds (15 minutes).

Type: Integer

Valid Range: Minimum value of 60. Maximum value of 1209600.

Required: No

maxLifetime

The maximum lifetime of an instance, in seconds. When an instance reaches this limit, the service terminates it regardless of activity. The default is 28800 seconds (8 hours). The maximum is 1209600 seconds (14 days).

Type: Integer

Valid Range: Minimum value of 60. Maximum value of 1209600.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InstanceRequirements

The requirements for Amazon EC2 instance types in a capacity provider.

Contents

allowedInstanceTypes

The list of allowed instance types. You can specify up to 30 instance types.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 30 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InterceptorConfiguration

The interceptor configuration.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

lambda

The details of the lambda function used for the interceptor.

Type: LambdaInterceptorConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InterceptorInputConfiguration

The input configuration of the interceptor.

Contents

passRequestHeaders

Indicates whether to pass request headers as input into the interceptor. When set to true, request headers will be passed.

Type: Boolean

Required: Yes

payloadFilter

The filter that determines which parts of the request or response payload are passed as input to the interceptor.

Type: InterceptorPayloadFilter object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InterceptorPayloadExclusionSelector

A selector that identifies a payload field to exclude from the interceptor input.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

field

The field to exclude from the interceptor input.

Type: String

Valid Values: `RESPONSE_BODY`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InterceptorPayloadFilter

The filter that controls which fields of the request or response payload are included in the input to the interceptor.

Contents

exclude

The list of selectors that identify payload fields to exclude from the interceptor input.

Type: Array of InterceptorPayloadExclusionSelector objects

Array Members: Fixed number of 1 item.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InvocationConfiguration

The configuration to invoke a self-managed memory processing pipeline with.

Contents

payloadDeliveryBucketName

The S3 bucket name for event payload delivery.

Type: String

Required: Yes

topicArn

The ARN of the SNS topic for job notifications.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InvocationConfigurationInput

The configuration to invoke a self-managed memory processing pipeline with.

Contents

payloadDeliveryBucketName

The S3 bucket name for event payload delivery.

Type: String

Pattern: `[a-z0-9][a-z0-9.-]{1,61}[a-z0-9]`

Required: Yes

topicArn

The ARN of the SNS topic for job notifications.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KinesisResource

Configuration for Kinesis Data Stream delivery.

Contents

contentConfigurations

Content configurations for stream delivery.

Type: Array of ContentConfiguration objects

Array Members: Fixed number of 1 item.

Required: Yes

dataStreamArn

ARN of the Kinesis Data Stream.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KmsConfiguration

Contains the KMS configuration for a resource.

Contents

keyType

The type of KMS key (CustomerManagedKey or ServiceManagedKey).

Type: String

Valid Values: `CustomerManagedKey | ServiceManagedKey`

Required: Yes

kmsKeyArn

The Amazon Resource Name (ARN) of the KMS key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KmsKeySourceType

Contains the Amazon KMS key configuration for a JWT client assertion.

Contents

kmsKeyArn

The Amazon Resource Name (ARN) of the Amazon KMS key used to sign the JWT client assertion. The key must be an asymmetric key with key usage SIGN_VERIFY and a key spec compatible with the configured signing algorithm.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LambdaEvaluatorConfig

Configuration for a Lambda function used as a code-based evaluator.

Contents

lambdaArn

The Amazon Resource Name (ARN) of the Lambda function that implements the evaluation logic.

Type: String

Pattern: `arn:(aws[a-zA-Z-]*)?:lambda:([a-z]{2}(-gov)?-[a-z]+-\d{1}):(\d{12}):function:([a-zA-Z0-9-_.]+)(:(\$LATEST|[a-zA-Z0-9-_]+))?`

Required: Yes

lambdaTimeoutInSeconds

The timeout in seconds for the Lambda function invocation. Defaults to 60. Must be between 1 and 300.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 300.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LambdaInterceptorConfiguration

The lambda configuration for the interceptor

Contents

arn

The arn of the lambda function to be invoked for the interceptor.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 170.

Pattern: `arn:(aws[a-zA-Z-]*)?:lambda:([a-z]{2}(-gov)?-[a-z]+-\d{1}):(\d{12}):function:([a-zA-Z0-9-_.]+)(:(\$LATEST|[a-zA-Z0-9-_]+))?`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LambdaTransformConfiguration

The Lambda configuration for custom transformations. This structure defines the Lambda function that the gateway invokes to transform data.

Contents

arn

The Amazon Resource Name (ARN) of the Lambda function. This function is invoked by the gateway to transform data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 170.

Pattern: `arn:(aws[a-zA-Z-]*)?:lambda:([a-z]{2}(-gov)?-[a-z]+-\d{1}):(\d{12}):function:([a-zA-Z0-9-_.]+)(:(\$LATEST|[a-zA-Z0-9-_]+))?`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LaunchParameters

The parameters for launching Amazon EC2 instances in a capacity provider.

Contents

instanceRequirements

The requirements that determine which instance types can be launched.

Type: InstanceRequirements object

Required: Yes

operatingSystem

The operating system and CPU architecture for the instances.

Type: String

Valid Values: `LINUX_X86_64 | LINUX_ARM64`

Required: Yes

capacityReservationSpecification

The Capacity Reservation targeting option for the instances.

Type: CapacityReservationSpecification object

Required: No

ephemeralVolumes

The block device mappings for instance store (ephemeral) volumes. You can specify up to five mappings.

Type: Array of EphemeralBlockDeviceMapping objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

instanceProfileArn

The Amazon Resource Name (ARN) of the IAM instance profile to associate with launched instances. If provided, this overrides the default instance profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::[0-9]{12}:instance-profile/([!-~]{1,510}/)?([\w+=,.@-]{1,128})`

Required: No

licenseSpecifications

The license configurations to associate with the instances. You can specify up to five configurations.

Type: Array of LicenseSpecification objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

monitoring

The monitoring level for the instances.

Type: String

Valid Values: `BASIC | DETAILED`

Required: No

propagatedTags

The tags to propagate to all Amazon EC2 resources (instances, volumes, and network interfaces) that the capacity provider creates.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

sshKeyName

The name of the SSH key pair to configure on the instances for SSH connectivity.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[!-~][ -~]*[!-~]$|^[!-~]`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LaunchTemplateSource

The source of the launch template configuration for a capacity provider. The `launchParameters` member specifies the operating system, instance requirements, and other settings used to launch instances.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

launchParameters

The parameters that AgentCore uses to create the launch template.

Type: LaunchParameters object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LicenseSpecification

A license configuration to associate with the instances.

Contents

licenseConfigurationArn

The Amazon Resource Name (ARN) of the license configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:license-manager:[a-z0-9-]+:[0-9]{12}:license-configuration:[a-zA-Z0-9_-]+`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LifecycleConfiguration

LifecycleConfiguration lets you manage the lifecycle of runtime sessions and resources in AgentCore Runtime. This configuration helps optimize resource utilization by automatically cleaning up idle sessions and preventing long-running instances from consuming resources indefinitely.

Contents

idleRuntimeSessionTimeout

Timeout in seconds for idle runtime sessions. When a session remains idle for this duration, it will be automatically terminated. Default: 900 seconds (15 minutes).

Type: Integer

Valid Range: Minimum value of 60. Maximum value of 1209600.

Required: No

maxLifetime

Maximum lifetime for the instance in seconds. Once reached, instances will be automatically terminated and replaced. Default: 28800 seconds (8 hours).

Type: Integer

Valid Range: Minimum value of 60. Maximum value of 1209600.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LimitEntry

A single rule entry within a rate limit that maps dimension values to rate configurations. Each entry defines the rate limits for a specific combination of dimension values.

Contents

dimensions

A map of dimension names to dimension values for this rule entry. Keys must match the parent rate limit's dimension keys. Values may use * as a wildcard, but only in trailing positions based on the dimension keys ordering.

Type: String to string map

Map Entries: Maximum number of 10 items.

Key Length Constraints: Minimum length of 1. Maximum length of 80.

Key Pattern: `(targetName|toolName|qualifiedModelId|\$\.context\.iam\.principal|\$\.context\.iam\.sourceIdentity|\$\.context\.jwt\.[a-zA-Z_][a-zA-Z0-9_\-\.]{0,61}[a-zA-Z0-9_])`

Value Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

connections

The connection rate limit configuration. Specifies the maximum number of concurrent connections allowed.

Type: Array of RateConfig objects

Array Members: Fixed number of 1 item.

Required: No

requests

The request rate limit configuration. Specifies the maximum number of requests allowed per time period.

Type: Array of RateConfig objects

Array Members: Fixed number of 1 item.

Required: No

tokens

The token rate limit configuration. Specifies the maximum number of tokens allowed per time period.

Type: Array of RateConfig objects

Array Members: Fixed number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LinkedinOauth2ProviderConfigInput

Configuration settings for connecting to LinkedIn services using OAuth2 authentication. This includes the client credentials required to authenticate with LinkedIn's OAuth2 authorization server.

Contents

clientId

The client ID for the LinkedIn OAuth2 provider. This identifier is assigned by LinkedIn when you register your application.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

clientSecret

The client secret for the LinkedIn OAuth2 provider. This secret is assigned by LinkedIn and used along with the client ID to authenticate your application.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

clientSecretConfig

A reference to the Amazon Secrets Manager secret that stores the client secret. This includes the secret ID and the JSON key used to extract the client secret value from the secret. Required when `clientSecretSource` is set to `EXTERNAL`.

Type: SecretReference object

Required: No

clientSecretSource

The source type of the client secret. Use `MANAGED` if the secret is managed by the service, or `EXTERNAL` if you manage the secret yourself in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED` | `EXTERNAL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LinkedinOauth2ProviderConfigOutput

The configuration details returned for a LinkedIn OAuth2 provider, including the client ID and OAuth2 discovery information.

Contents

oauthDiscovery

Contains the discovery information for an OAuth2 provider.

Type: Oauth2Discovery object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

clientId

The client ID for the LinkedIn OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LlmAsAJudgeEvaluatorConfig

The configuration for LLM-as-a-Judge evaluation that uses a language model to assess agent performance based on custom instructions and rating scales.

Contents

instructions

The evaluation instructions that guide the language model in assessing agent performance, including criteria and evaluation guidelines.

Type: String

Required: Yes

modelConfig

The model configuration that specifies which foundation model to use and how to configure it for evaluation.

Type: EvaluatorModelConfig object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

ratingScale

The rating scale that defines how the evaluator should score agent performance, either numerical or categorical.

Type: RatingScale object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LlmExtractionConfig

Model-based metadata extraction configuration.

Contents

definition

Description of what this metadata field represents.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

llmExtractionInstruction

Instructions for extraction. Supports built-in operators like LATEST_VALUE or custom natural-language instructions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

validation

Validation rules to constrain extracted values.

Type: Validation object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ManagedResourceDetails

Details of a resource created and managed by the gateway for private endpoint connectivity.

Contents

domain

The domain associated with this managed resource.

Type: String

Required: No

resourceAssociationArn

The ARN of the service network resource association.

Type: String

Pattern: `arn:[a-z0-9\-]+:vpc-lattice:[a-zA-Z0-9\-]+:\d{12}:servicenetworkresourceassociation/snra-[0-9a-f]{17}`

Required: No

resourceGatewayArn

The ARN of the VPC Lattice resource gateway created in your account.

Type: String

Pattern: `arn:[a-z0-9\-]+:vpc-lattice:[a-zA-Z0-9\-]+:\d{12}:resourcegateway/rgw-[0-9a-z]{17}`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ManagedVpcResource

Configuration for a managed VPC Lattice resource. The gateway creates and manages the VPC Lattice resource gateway and resource configuration on your behalf using a service-linked role.

Contents

endpointIpAddressType

The IP address type for the resource configuration endpoint.

Type: String

Valid Values: `IPV4 | IPV6`

Required: Yes

subnetIds

The subnet IDs within the VPC where the VPC Lattice resource gateway is placed.

Type: Array of strings

Pattern: `subnet-[0-9a-zA-Z]{8,17}`

Required: Yes

vpcIdentifier

The ID of the VPC that contains your private resource.

Type: String

Pattern: `vpc-(([0-9a-z]{8})|([0-9a-z]{17}))`

Required: Yes

routingDomain

An intermediate domain to use as the resource configuration endpoint instead of the actual target domain. Use this when you want to route traffic through an intermediate component such as a VPC endpoint or internal load balancer. For more information, see xref:lattice-vpc-egress-routing-domain[Route traffic through an intermediate domain].

Type: String

Length Constraints: Minimum length of 3. Maximum length of 255.

Required: No

securityGroupIds

The security group IDs to associate with the VPC Lattice resource gateway. If not specified, the default security group for the VPC is used.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Pattern: `sg-(([0-9a-z]{8})|([0-9a-z]{17}))`

Required: No

tags

Tags to apply to the managed VPC Lattice resource gateway.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MatchPaths

A condition that matches requests based on the request path.

Contents

anyOf

A list of path patterns. The condition is met if the request path matches any of the patterns.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: `/[\w\-.]+/\*`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MatchPrincipalEntry

Union for principal matching. Currently supports IAM principal ARN glob matching.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

iamPrincipal

An IAM principal to match against, specified by ARN.

Type: IamPrincipal object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MatchPrincipals

A condition that matches requests based on the caller's identity.

Contents

anyOf

A list of principal entries. The condition is met if any of the entries match the caller's identity.

Type: Array of MatchPrincipalEntry objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

McpDescriptor

The Model Context Protocol (MCP) descriptor for a registry record. Contains the server definition and tools definition for an MCP-compatible server. The schema is validated against the MCP protocol specification.

Contents

server

The MCP server definition, containing the server configuration and schema as defined by the MCP protocol specification.

Type: ServerDefinition object

Required: No

tools

The MCP tools definition, containing the tools available on the MCP server as defined by the MCP protocol specification.

Type: ToolsDefinition object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MCPGatewayConfiguration

The configuration for a Model Context Protocol (MCP) gateway. This structure defines how the gateway implements the MCP protocol.

Contents

instructions

The instructions for using the Model Context Protocol gateway. These instructions provide guidance on how to interact with the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

searchType

The search type for the Model Context Protocol gateway. This field specifies how the gateway handles search operations.

Type: String

Valid Values: `SEMANTIC`

Required: No

sessionConfiguration

The session configuration for the MCP gateway. This configuration controls session behavior, including session timeout settings.

Type: SessionConfiguration object

Required: No

streamingConfiguration

The streaming configuration for the MCP gateway. This configuration controls whether response streaming is enabled for the gateway.

Type: StreamingConfiguration object

Required: No

supportedVersions

The supported versions of the Model Context Protocol. This field specifies which versions of the protocol the gateway can use.

Type: Array of strings

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

McpLambdaTargetConfiguration

The Lambda configuration for a Model Context Protocol target. This structure defines how the gateway uses a Lambda function to communicate with the target.

Contents

lambdaArn

The Amazon Resource Name (ARN) of the Lambda function. This function is invoked by the gateway to communicate with the target.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 170.

Pattern: `arn:(aws[a-zA-Z-]*)?:lambda:([a-z]{2}(-gov)?-[a-z]+-\d{1}):(\d{12}):function:([a-zA-Z0-9-_.]+)(:(\$LATEST|[a-zA-Z0-9-_]+))?`

Required: Yes

toolSchema

The tool schema for the Lambda function. This schema defines the structure of the tools that the Lambda function provides.

Type: ToolSchema object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

McpServerTargetConfiguration

The target configuration for the MCP server.

Contents

endpoint

The endpoint for the MCP server target configuration.

Type: String

Pattern: `https://.*`

Required: Yes

listingMode

The listing mode for the MCP server target configuration. MCP resources for default targets are cached at the control plane for faster access. MCP resources for dynamic targets will be dynamically retrieved when listing tools.

Type: String

Valid Values: `DEFAULT | DYNAMIC`

Required: No

mcpToolSchema

A static tool list for the MCP server target. It is supported for all credential providers. Dynamic tool discovery/synchronization will be disabled when a target is configured with mcpToolSchema.

Type: McpToolSchemaConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

resourcePriority

Priority for resolving MCP server targets with shared resource URIs. Lower values take precedence. Defaults to 1000 when not set.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1000.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

McpTargetConfiguration

The Model Context Protocol (MCP) configuration for a target. This structure defines how the gateway uses MCP to communicate with the target.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

apiGateway

The configuration for an Amazon API Gateway target.

Type: ApiGatewayTargetConfiguration object

Required: No

connector

The connector integration configuration for the Model Context Protocol target. This configuration defines how the gateway uses a pre-built connector to communicate with the target.

Type: ConnectorTargetConfiguration object

Required: No

lambda

The Lambda configuration for the Model Context Protocol target. This configuration defines how the gateway uses a Lambda function to communicate with the target.

Type: McpLambdaTargetConfiguration object

Required: No

mcpServer

The MCP server specified as the gateway target.

Type: McpServerTargetConfiguration object

Required: No

openApiSchema

The OpenAPI schema for the Model Context Protocol target. This schema defines the API structure of the target.

Type: ApiSchemaConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

smithyModel

The Smithy model for the Model Context Protocol target. This model defines the API structure of the target using the Smithy specification.

Type: ApiSchemaConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

McpToolSchemaConfiguration

The MCP tool schema configuration for an MCP server target. The tool schema must be aligned with the MCP specification.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

inlinePayload

The inline payload containing the MCP tool schema definition.

Type: String

Required: No

s3

The Amazon S3 location of the tool schema. This location contains the schema definition file.

Type: S3Configuration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Memory

Contains information about a memory resource.

Contents

arn

The Amazon Resource Name (ARN) of the memory.

Type: String

Pattern: `arn:aws:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:memory\/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

createdAt

The timestamp when the memory was created.

Type: Timestamp

Required: Yes

eventExpiryDuration

The number of days after which memory events will expire.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 365.

Required: Yes

id

The unique identifier of the memory.

Type: String

Length Constraints: Minimum length of 12.

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

name

The name of the memory.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

status

The current status of the memory.

Type: String

Valid Values: `CREATING | ACTIVE | FAILED | DELETING | UPDATING`

Required: Yes

updatedAt

The timestamp when the memory was last updated.

Type: Timestamp

Required: Yes

description

The description of the memory.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

encryptionKeyArn

The ARN of the KMS key used to encrypt the memory.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

failureReason

The reason for failure if the memory is in a failed state.

Type: String

Required: No

indexedKeys

The indexed metadata keys for this memory. Only indexed keys can be used in metadata filters.

Type: Array of IndexedKey objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

managedByResourceArn

ARN of the resource managing this memory (e.g. a harness). When set, strategy modifications and deletion are only allowed through the managing resource.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

memoryExecutionRoleArn

The ARN of the IAM role that provides permissions for the memory.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

namespaceKeys

The namespace variable key definitions for this memory. Namespace keys define custom variables used in `namespaceTemplates` with optional validation rules.

Type: Array of NamespaceKeyEntry objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

strategies

The list of memory strategies associated with this memory.

Type: Array of MemoryStrategy objects

Required: No

streamDeliveryResources

Configuration for streaming memory record data to external resources.

Type: StreamDeliveryResources object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MemoryRecordSchema

Schema for metadata on memory records generated by a strategy.

Contents

metadataSchema

The metadata field definitions for this strategy.

Type: Array of MetadataSchemaEntry objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MemoryStrategy

Contains information about a memory strategy.

Contents

name

The name of the memory strategy.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

namespaces

This member has been deprecated.

This is a legacy parameter. The namespaces associated with the memory strategy.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: Yes

namespaceTemplates

The namespaceTemplates associated with the memory strategy.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: Yes

strategyId

The unique identifier of the memory strategy.

Type: String

Length Constraints: Minimum length of 12.

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

type

The type of the memory strategy.

Type: String

Valid Values: `SEMANTIC | SUMMARIZATION | USER_PREFERENCE | CUSTOM | EPISODIC`

Required: Yes

configuration

The configuration of the memory strategy.

Type: StrategyConfiguration object

Required: No

createdAt

The timestamp when the memory strategy was created.

Type: Timestamp

Required: No

description

The description of the memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

memoryRecordSchema

Schema for metadata fields on records generated by this strategy.

Type: MemoryRecordSchema object

Required: No

status

The current status of the memory strategy.

Type: String

Valid Values: `CREATING | ACTIVE | DELETING | FAILED`

Required: No

updatedAt

The timestamp when the memory strategy was last updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MemoryStrategyInput

Contains input information for creating a memory strategy.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

customMemoryStrategy

Input for creating a custom memory strategy.

Type: CustomMemoryStrategyInput object

Required: No

episodicMemoryStrategy

Input for creating an episodic memory strategy

Type: EpisodicMemoryStrategyInput object

Required: No

semanticMemoryStrategy

Input for creating a semantic memory strategy.

Type: SemanticMemoryStrategyInput object

Required: No

summaryMemoryStrategy

Input for creating a summary memory strategy.

Type: SummaryMemoryStrategyInput object

Required: No

userPreferenceMemoryStrategy

Input for creating a user preference memory strategy.

Type: UserPreferenceMemoryStrategyInput object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MemorySummary

Contains summary information about a memory resource.

Contents

createdAt

The timestamp when the memory was created.

Type: Timestamp

Required: Yes

updatedAt

The timestamp when the memory was last updated.

Type: Timestamp

Required: Yes

arn

The Amazon Resource Name (ARN) of the memory.

Type: String

Pattern: `arn:aws:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:memory\/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: No

id

The unique identifier of the memory.

Type: String

Length Constraints: Minimum length of 12.

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: No

managedByResourceArn

ARN of the resource managing this memory (e.g. a harness). Null if not managed.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

status

The current status of the memory.

Type: String

Valid Values: `CREATING | ACTIVE | FAILED | DELETING | UPDATING`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MessageBasedTrigger

The trigger configuration based on a message.

Contents

messageCount

The number of messages that trigger memory processing.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MessageBasedTriggerInput

The trigger configuration based on a message.

Contents

messageCount

The number of messages that trigger memory processing.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 50.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MetadataConfiguration

Configuration for HTTP header and query parameter propagation between the gateway and target servers.

Contents

allowedQueryParameters

A list of URL query parameters that are allowed to be propagated from incoming gateway URL to the target.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 40.

Required: No

allowedRequestHeaders

A list of HTTP headers that are allowed to be propagated from incoming client requests to the target.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

allowedResponseHeaders

A list of HTTP headers that are allowed to be propagated from the target response back to the client.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MetadataSchemaEntry

A metadata field definition within a strategy's schema.

Contents

key

The metadata field name. Must match an indexed key to be queryable via metadata filters.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: Yes

extractionConfig

Configuration for extracting this metadata value from conversational content. Applicable only if extractionType is LLM inferred.

Type: ExtractionConfig object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

extractionType

Specifies whether the metadata value is extracted by the LLM or passed through deterministically from the event.

Type: String

Valid Values: `LLM_INFERRED | STRICTLY_CONSISTENT`

Required: No

type

The MetadataValueType.

Type: String

Valid Values: `STRING | STRINGLIST | NUMBER`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MicrosoftOauth2ProviderConfigInput

Input configuration for a Microsoft OAuth2 provider.

Contents

clientId

The client ID for the Microsoft OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

clientSecret

The client secret for the Microsoft OAuth2 provider.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

clientSecretConfig

A reference to the Amazon Secrets Manager secret that stores the client secret. This includes the secret ID and the JSON key used to extract the client secret value from the secret. Required when `clientSecretSource` is set to `EXTERNAL`.

Type: SecretReference object

Required: No

clientSecretSource

The source type of the client secret. Use `MANAGED` if the secret is managed by the service, or `EXTERNAL` if you manage the secret yourself in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED` | `EXTERNAL`

Required: No

tenantId

The Microsoft Entra ID (formerly Azure AD) tenant ID for your organization. This identifies the specific tenant within Microsoft's identity platform where your application is registered.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MicrosoftOauth2ProviderConfigOutput

Output configuration for a Microsoft OAuth2 provider.

Contents

oauthDiscovery

The OAuth2 discovery information for the Microsoft provider.

Type: Oauth2Discovery object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

clientId

The client ID for the Microsoft OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ModelEntry

A model entry that specifies a model supported for an inference operation.

Contents

model

The model ID or glob pattern that identifies the model (for example, `anthropic.claude-opus-*` or `openai.gpt-oss-*`).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9\-\._\*\?@]+(/[a-zA-Z0-9\-\._\*\?@]+)*`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ModelMapping

The configuration that translates model IDs between client-facing names and provider model IDs.

Contents

providerPrefix

The provider prefix configuration used for model ID translation.

Type: ProviderPrefix object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ModifyConsolidationConfiguration

Contains information for modifying a consolidation configuration.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

customConsolidationConfiguration

The updated custom consolidation configuration.

Type: CustomConsolidationConfigurationInput object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ModifyExtractionConfiguration

Contains information for modifying an extraction configuration.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

customExtractionConfiguration

The updated custom extraction configuration.

Type: CustomExtractionConfigurationInput object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ModifyInvocationConfigurationInput

The configuration for updating invocation settings.

Contents

payloadDeliveryBucketName

The updated S3 bucket name for event payload delivery.

Type: String

Pattern: `[a-z0-9][a-z0-9.-]{1,61}[a-z0-9]`

Required: No

topicArn

The updated ARN of the SNS topic for job notifications.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ModifyMemoryStrategies

Contains information for modifying memory strategies.

Contents

addMemoryStrategies

The list of memory strategies to add.

Type: Array of MemoryStrategyInput objects

Required: No

deleteMemoryStrategies

The list of memory strategies to delete.

Type: Array of DeleteMemoryStrategyInput objects

Required: No

modifyMemoryStrategies

The list of memory strategies to modify.

Type: Array of ModifyMemoryStrategyInput objects

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ModifyMemoryStrategyInput

Input for modifying a memory strategy.

Contents

memoryStrategyId

The unique identifier of the memory strategy to modify.

Type: String

Required: Yes

configuration

The updated configuration for the memory strategy.

Type: ModifyStrategyConfiguration object

Required: No

description

The updated description of the memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

memoryRecordSchema

Updated metadata schema for records generated by this strategy.

Type: MemoryRecordSchema object

Required: No

namespaces

This member has been deprecated.

This is a legacy parameter, use `namespaceTemplates`. The updated namespaces for the memory strategy.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

namespaceTemplates

The updated namespaceTemplates for the memory strategy.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ModifyReflectionConfiguration

Contains information for modifying a reflection configuration.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

customReflectionConfiguration

The updated custom reflection configuration.

Type: CustomReflectionConfigurationInput object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

episodicReflectionConfiguration

The updated episodic reflection configuration.

Type: EpisodicReflectionConfigurationInput object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ModifySelfManagedConfiguration

The configuration for updating the self-managed memory strategy.

Contents

historicalContextWindowSize

The updated number of historical messages to include in processing context.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 50.

Required: No

invocationConfiguration

The updated configuration to invoke self-managed memory processing pipeline.

Type: ModifyInvocationConfigurationInput object

Required: No

triggerConditions

The updated list of conditions that trigger memory processing.

Type: Array of TriggerConditionInput objects

Array Members: Minimum number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ModifyStrategyConfiguration

Contains information for modifying a strategy configuration.

Contents

consolidation

The updated consolidation configuration.

Type: ModifyConsolidationConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

extraction

The updated extraction configuration.

Type: ModifyExtractionConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

reflection

The updated reflection configuration.

Type: ModifyReflectionConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

selfManagedConfiguration

The updated self-managed configuration.

Type: ModifySelfManagedConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NamespaceKeyEntry

A namespace variable key definition with optional `NamespaceKeyValidation` rules.

Contents

key

The namespace variable key name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `(?!memoryStrategyId$|actorId$|sessionId$)[a-z][a-z0-9]*`

Required: Yes

validation

The validation rules that constrain values for this namespace variable at runtime (`CreateEvent` API).

Type: NamespaceKeyValidation object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NamespaceKeyValidation

The validation rules for namespace variable values. When you specify multiple rules, the service enforces a logical AND across all provided key-value pairs.

Contents

allowedValues

The allowed values for this namespace variable key.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-z0-9][a-z0-9-_]*`

Required: No

regexPattern

A regex pattern that the namespace variable key-value must match.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NetworkConfiguration

SecurityConfig for the Agent.

Contents

networkMode

The network mode for the AgentCore Runtime.

Type: String

Valid Values: `PUBLIC | VPC`

Required: Yes

networkModeConfig

The network mode configuration for the AgentCore Runtime.

Type: VpcConfig object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NumberValidation

Validation for NUMBER fields.

Contents

maxValue

Maximum allowed value.

Type: Double

Required: No

minValue

Minimum allowed value.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NumericalScaleDefinition

The definition of a numerical rating scale option that provides a numeric value with its description for evaluation scoring.

Contents

definition

The description that explains what this numerical rating represents and when it should be used.

Type: String

Required: Yes

label

The label or name that describes this numerical rating option.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

value

The numerical value for this rating scale option.

Type: Double

Valid Range: Minimum value of 0.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

OAuth2AuthorizationData

OAuth2-specific authorization data, including the authorization URL and user identifier for the authorization session.

Contents

authorizationUrl

The URL to initiate the authorization process. This URL is provided when the OAuth2 access token requires user authorization.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

userId

The user identifier associated with the OAuth2 authorization session that is defined by AgentCore Gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Oauth2AuthorizationServerMetadata

Contains the authorization server metadata for an OAuth2 provider.

Contents

authorizationEndpoint

The authorization endpoint URL for the OAuth2 authorization server.

Type: String

Required: Yes

issuer

The issuer URL for the OAuth2 authorization server.

Type: String

Required: Yes

tokenEndpoint

The token endpoint URL for the OAuth2 authorization server.

Type: String

Required: Yes

responseTypes

The supported response types for the OAuth2 authorization server.

Type: Array of strings

Required: No

tokenEndpointAuthMethods

The authentication methods supported by the token endpoint. This specifies how clients can authenticate when requesting tokens from the authorization server.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Pattern: `(client_secret_post|client_secret_basic)`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Oauth2CredentialProviderItem

Contains information about an OAuth2 credential provider.

Contents

createdTime

The timestamp when the OAuth2 credential provider was created.

Type: Timestamp

Required: Yes

credentialProviderArn

The Amazon Resource Name (ARN) of the OAuth2 credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/oauth2credentialprovider/[a-zA-Z0-9-.]+`

Required: Yes

credentialProviderVendor

The vendor of the OAuth2 credential provider.

Type: String

Valid Values: `GoogleOauth2 | GithubOauth2 | SlackOauth2 | SalesforceOauth2 | MicrosoftOauth2 | CustomOauth2 | AtlassianOauth2 | LinkedinOauth2 | XOauth2 | OktaOauth2 | OneLoginOauth2 | PingOneOauth2 | FacebookOauth2 | YandexOauth2 | RedditOauth2 | ZoomOauth2 | TwitchOauth2 | SpotifyOauth2 | DropboxOauth2 | NotionOauth2 | HubspotOauth2 | CyberArkOauth2 | FusionAuthOauth2 | Auth0Oauth2 | CognitoOauth2`

Required: Yes

lastUpdatedTime

The timestamp when the OAuth2 credential provider was last updated.

Type: Timestamp

Required: Yes

name

The name of the OAuth2 credential provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Oauth2Discovery

Contains the discovery information for an OAuth2 provider.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

authorizationServerMetadata

The authorization server metadata for the OAuth2 provider.

Type: Oauth2AuthorizationServerMetadata object

Required: No

discoveryUrl

The discovery URL for the OAuth2 provider.

Type: String

Pattern: `.+/\.well-known/(openid-configuration|oauth-authorization-server)`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Oauth2ProviderConfigInput

Contains the input configuration for an OAuth2 provider.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

atlassianOauth2ProviderConfig

Configuration settings for Atlassian OAuth2 provider integration.

Type: AtlassianOauth2ProviderConfigInput object

Required: No

customOauth2ProviderConfig

The configuration for a custom OAuth2 provider.

Type: CustomOauth2ProviderConfigInput object

Required: No

githubOauth2ProviderConfig

The configuration for a GitHub OAuth2 provider.

Type: GithubOauth2ProviderConfigInput object

Required: No

googleOauth2ProviderConfig

The configuration for a Google OAuth2 provider.

Type: GoogleOauth2ProviderConfigInput object

Required: No

includedOauth2ProviderConfig

The configuration for a non-custom OAuth2 provider. This includes settings for supported OAuth2 providers that have built-in integration support.

Type: IncludedOauth2ProviderConfigInput object

Required: No

linkedinOauth2ProviderConfig

Configuration settings for LinkedIn OAuth2 provider integration.

Type: LinkedinOauth2ProviderConfigInput object

Required: No

microsoftOauth2ProviderConfig

The configuration for a Microsoft OAuth2 provider.

Type: MicrosoftOauth2ProviderConfigInput object

Required: No

salesforceOauth2ProviderConfig

The configuration for a Salesforce OAuth2 provider.

Type: SalesforceOauth2ProviderConfigInput object

Required: No

slackOauth2ProviderConfig

The configuration for a Slack OAuth2 provider.

Type: SlackOauth2ProviderConfigInput object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Oauth2ProviderConfigOutput

Contains the output configuration for an OAuth2 provider.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

atlassianOauth2ProviderConfig

The configuration details for the Atlassian OAuth2 provider.

Type: AtlassianOauth2ProviderConfigOutput object

Required: No

customOauth2ProviderConfig

The output configuration for a custom OAuth2 provider.

Type: CustomOauth2ProviderConfigOutput object

Required: No

githubOauth2ProviderConfig

The output configuration for a GitHub OAuth2 provider.

Type: GithubOauth2ProviderConfigOutput object

Required: No

googleOauth2ProviderConfig

The output configuration for a Google OAuth2 provider.

Type: GoogleOauth2ProviderConfigOutput object

Required: No

includedOauth2ProviderConfig

The configuration for a non-custom OAuth2 provider. This includes the configuration details for supported OAuth2 providers that have built-in integration support.

Type: IncludedOauth2ProviderConfigOutput object

Required: No

linkedinOauth2ProviderConfig

The configuration details for the LinkedIn OAuth2 provider.

Type: LinkedinOauth2ProviderConfigOutput object

Required: No

microsoftOauth2ProviderConfig

The output configuration for a Microsoft OAuth2 provider.

Type: MicrosoftOauth2ProviderConfigOutput object

Required: No

salesforceOauth2ProviderConfig

The output configuration for a Salesforce OAuth2 provider.

Type: SalesforceOauth2ProviderConfigOutput object

Required: No

slackOauth2ProviderConfig

The output configuration for a Slack OAuth2 provider.

Type: SlackOauth2ProviderConfigOutput object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

OAuthCredentialProvider

An OAuth credential provider for gateway authentication. This structure contains the configuration for authenticating with the target endpoint using OAuth.

Contents

providerArn

The Amazon Resource Name (ARN) of the OAuth credential provider. This ARN identifies the provider in Amazon.

Type: String

Pattern: `arn:([^:]*):([^:]*):([^:]*):([0-9]{12})?:(.+)`

Required: Yes

scopes

The OAuth scopes for the credential provider. These scopes define the level of access requested from the OAuth provider.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

customParameters

The custom parameters for the OAuth credential provider. These parameters provide additional configuration for the OAuth authentication process.

Type: String to string map

Map Entries: Maximum number of 10 items.

Key Length Constraints: Minimum length of 1. Maximum length of 256.

Value Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

defaultReturnUrl

The URL where the end user's browser is redirected after obtaining the authorization code. Generally points to the customer's application.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\w+:(\/?\/?)[^\s]+`

Required: No

grantType

Specifies the kind of credentials to use for authorization:

- `CLIENT_CREDENTIALS` - Authorization with a client ID and secret.
- `AUTHORIZATION_CODE` - Authorization with a token that is specific to an individual end user.
- `TOKEN_EXCHANGE` - Authorization using on-behalf-of token exchange. An inbound user token is exchanged for a downstream access token scoped to the target audience.

Type: String

Valid Values: `CLIENT_CREDENTIALS | AUTHORIZATION_CODE | TOKEN_EXCHANGE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

OnBehalfOfTokenExchangeConfigType

Configuration for on-behalf-of token exchange.

Contents

grantType

The grant type for the on-behalf-of token exchange.

Type: String

Valid Values: `TOKEN_EXCHANGE | JWT_AUTHORIZATION_GRANT`

Required: Yes

tokenExchangeGrantTypeConfig

Configuration specific to the TOKEN_EXCHANGE grant type (RFC 8693).

Type: TokenExchangeGrantTypeConfigType object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

OnlineEvaluationConfigSummary

The summary information about an online evaluation configuration, including basic metadata and execution status.

Contents

createdAt

The timestamp when the online evaluation configuration was created.

Type: Timestamp

Required: Yes

executionStatus

The execution status indicating whether the online evaluation is currently running.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: Yes

onlineEvaluationConfigArn

The Amazon Resource Name (ARN) of the online evaluation configuration.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:online-evaluation-config\/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

onlineEvaluationConfigId

The unique identifier of the online evaluation configuration.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

onlineEvaluationConfigName

The name of the online evaluation configuration.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

status

The status of the online evaluation configuration.

Type: String

Valid Values: `ACTIVE | CREATING | CREATE_FAILED | UPDATING | UPDATE_FAILED | DELETING | ERROR`

Required: Yes

updatedAt

The timestamp when the online evaluation configuration was last updated.

Type: Timestamp

Required: Yes

clusteringConfig

The clustering configuration for periodic batch evaluation.

Type: ClusteringConfig object

Required: No

description

The description of the online evaluation configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `.+`

Required: No

failureReason

The reason for failure if the online evaluation configuration execution failed.

Type: String

Required: No

insights

The list of insight types configured for this evaluation.

Type: Array of Insight objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

OpenResponsesEvaluatorModelConfig

The configuration for using models served through the OpenResponses API in evaluator assessments, including model selection and inference parameters.

Contents

modelId

The identifier of the model to use for evaluation.

Type: String

Required: Yes

maxOutputTokens

The maximum number of tokens to generate in the model response, including visible output and reasoning tokens.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

reasoning

The reasoning configuration for reasoning models. Non-reasoning models ignore this configuration.

Type: ReasoningConfiguration object

Required: No

temperature

The temperature value that controls randomness in the model's responses. Lower values produce more deterministic outputs.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 2.

Required: No

topP

The top-p sampling parameter that controls the diversity of the model's responses by limiting the cumulative probability of token choices.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 1.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

OutputConfig

The configuration that specifies where evaluation results should be written for monitoring and analysis.

Contents

cloudWatchConfig

The CloudWatch configuration for writing evaluation results to CloudWatch logs with embedded metric format.

Type: CloudWatchOutputConfig object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PassthroughTargetConfiguration

The configuration for an HTTP passthrough target. A passthrough target forwards requests directly to an external HTTP endpoint.

Contents

endpoint

The HTTPS endpoint that the gateway forwards requests to for this passthrough target.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `https://[a-zA-Z0-9\-\.]+(:[0-9]{1,5})?(/.*)?`

Required: Yes

protocolType

The application protocol that the passthrough target implements. This value is required for passthrough targets:

- `MCP` - The Model Context Protocol.
- `A2A` - The Agent-to-Agent protocol.
- `INFERENCE` - The protocol for routing requests to a large language model (LLM) provider.
- `CUSTOM` - A custom application protocol.

Type: String

Valid Values: `MCP | A2A | INFERENCE | CUSTOM`

Required: Yes

schema

The API schema configuration that defines the structure of the passthrough target's API.

Type: HttpApiSchemaConfiguration object

Required: No

staticQueryParameterConflictResolution

Controls precedence when a client request supplies a query parameter whose name matches a configured static query parameter. If not set, defaults to `CLIENT_OVERRIDE`:

- `CLIENT_OVERRIDE` - The client-supplied value overrides the configured static value for that parameter name.
- `STATIC_OVERRIDE` - The configured static value is retained, overriding the client-supplied value for that parameter name.

Type: String

Valid Values: `CLIENT_OVERRIDE | STATIC_OVERRIDE`

Required: No

staticQueryParameters

A map of static query parameters that the gateway always appends to the outbound URL when forwarding requests to the target. The total outbound URL length, which includes the endpoint and the percent-encoded query parameters, is enforced by the service.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z0-9_.-]+`

Value Pattern: `[^\x00-\x1F\x7F]*`

Required: No

stickinessConfiguration

The session stickiness configuration for the passthrough target. This configuration routes requests within the same session to the same target.

Type: StickinessConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PaymentConnectorSummary

Contains summary information about a payment connector.

Contents

lastUpdatedAt

The timestamp when the payment connector was last updated.

Type: Timestamp

Required: Yes

name

The name of the payment connector.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

paymentConnectorId

The unique identifier of the payment connector.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z_][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

status

The current status of the payment connector. Possible values include `CREATING`, `READY`, `UPDATING`, `DELETING`, `CREATE_FAILED`, `UPDATE_FAILED`, and `DELETE_FAILED`.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | READY | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED | AWS_MARKETPLACE_SUBSCRIPTION_REQUIRED | PENDING_AUTHENTICATION | PROVISIONING | AUTHENTICATION_EXPIRED | AUTHENTICATION_FAILED`

Required: Yes

type

The type of the payment connector, which determines the payment provider integration.

Type: String

Valid Values: `CoinbaseCDP | StripePrivy`

Required: Yes

provisionMode

Specifies how the payment connector was provisioned. Payment connectors that were created before this field was available return `MANUAL`.

- `MANUAL` - You provided the credential provider configurations, so you own the credentials.
- `QUICK_CREATE` - AgentCore provisioned the credential provider for you, so the credentials are service-managed and you can rotate them with `RotatePaymentConnectorCredentials`.

Type: String

Valid Values: `MANUAL | QUICK_CREATE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PaymentCredentialProviderConfiguration

Configuration for a payment credential provider that stores authentication credentials for a payment provider.

Contents

credentialProviderArn

The Amazon Resource Name (ARN) of the credential provider that stores the authentication credentials for the payment provider.

Type: String

Length Constraints: Minimum length of 69. Maximum length of 2048.

Pattern: `arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b|aws-iso-e|aws-iso-f|aws-eusc):(acps|bedrock-agentcore):[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/paymentcredentialprovider/[a-zA-Z0-9-.]+`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PaymentCredentialProviderItem

Contains summary information about a payment credential provider.

Contents

createdTime

The timestamp when the payment credential provider was created.

Type: Timestamp

Required: Yes

credentialProviderArn

The Amazon Resource Name (ARN) of the payment credential provider.

Type: String

Pattern: `arn:(aws|aws-us-gov):acps:[A-Za-z0-9-]{1,64}:[0-9]{12}:token-vault/[a-zA-Z0-9-.]+/paymentcredentialprovider/[a-zA-Z0-9-.]+`

Required: Yes

credentialProviderVendor

The vendor type for the payment credential provider.

Type: String

Valid Values: `CoinbaseCDP | StripePrivy`

Required: Yes

lastUpdatedTime

The timestamp when the payment credential provider was last updated.

Type: Timestamp

Required: Yes

name

The name of the payment credential provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PaymentManagerSummary

Contains summary information about a payment manager.

Contents

authorizerType

The type of authorizer used by the payment manager.

- `CUSTOM_JWT` - Authorize with a bearer token.
- `AWS_IAM` - Authorize with your Amazon IAM credentials.

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM`

Required: Yes

lastUpdatedAt

The timestamp when the payment manager was last updated.

Type: Timestamp

Required: Yes

name

The name of the payment manager.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[a-zA-Z][a-zA-Z0-9]{0,47}`

Required: Yes

paymentManagerArn

The Amazon Resource Name (ARN) of the payment manager.

Type: String

Length Constraints: Minimum length of 66. Maximum length of 2048.

Pattern: `arn:(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:payment-manager/([0-9a-z][-]?){1,48}-[a-z0-9]{10}`

Required: Yes

paymentManagerId

The unique identifier of the payment manager.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 211.

Pattern: `([0-9a-z][-]?){1,100}-[0-9a-z]{10}`

Required: Yes

roleArn

The Amazon Resource Name (ARN) of the IAM role associated with the payment manager.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: Yes

status

The current status of the payment manager. Possible values include `CREATING`, `READY`, `UPDATING`, `DELETING`, `CREATE_FAILED`, `UPDATE_FAILED`, and `DELETE_FAILED`.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | READY | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

Required: Yes

createdAt

The timestamp when the payment manager was created.

Type: Timestamp

Required: No

description

The description of the payment manager.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: `[^\p{C}]*`

Required: No

kmsKeyArn

The Amazon Resource Name (ARN) of the Amazon KMS key used to encrypt sensitive payment manager data at rest, if configured.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PaymentProviderConfigurationInput

Provider configuration input — contains secrets for creation and update. Varies by vendor type.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

coinbaseCdpConfiguration

The Coinbase CDP configuration.

Type: CoinbaseCdpConfigurationInput object

Required: No

stripePrivyConfiguration

The Stripe Privy configuration.

Type: StripePrivyConfigurationInput object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PaymentProviderConfigurationOutput

Provider configuration output — no raw secrets, only ARNs. Varies by vendor type.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

coinbaseCdpConfiguration

The Coinbase CDP configuration.

Type: CoinbaseCdpConfigurationOutput object

Required: No

stripePrivyConfiguration

The Stripe Privy configuration.

Type: StripePrivyConfigurationOutput object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PermissionsConfiguration

The permissions configuration for a capacity provider. This specifies the IAM role that AgentCore uses to manage the Amazon EC2 instances for the capacity provider on your behalf.

Contents

capacityProviderOperatorRoleArn

The Amazon Resource Name (ARN) of the IAM role that AgentCore assumes to manage the capacity provider, including launching, tagging, and terminating instances and their network interfaces. We recommend scoping this role to the minimum permissions that your workloads require.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::([0-9]{12})?:role/.+`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Policy

Represents a complete policy resource within the AgentCore Policy system. Policies are ARN-able resources that contain Cedar or Dogwood policy statements and associated metadata for controlling agent behavior and access decisions. Each policy belongs to a policy engine and defines fine-grained authorization rules that are evaluated in real-time as agents interact with tools through Gateway. Policies use Cedar or Dogwood to specify who (principals based on OAuth claims like username, role, or scope) can perform what actions (tool calls) on which resources (Gateways), with optional conditions for attribute-based access control. Multiple policies can apply to a single request, with forbid-wins semantics ensuring that security restrictions are never accidentally overridden.

Contents

createdAt

The timestamp when the policy was originally created. This is automatically set by the service and used for auditing and lifecycle management.

Type: Timestamp

Required: Yes

definition

The Cedar or Dogwood policy statement that defines the access control rules. This contains the actual policy logic used for agent behavior control and access decisions.

Type: PolicyDefinition object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

name

The customer-assigned immutable name for the policy. This human-readable identifier must be unique within the account and cannot exceed 48 characters.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

Required: Yes

policyArn

The Amazon Resource Name (ARN) of the policy. This globally unique identifier can be used for cross-service references and IAM policy statements.

Type: String

Length Constraints: Minimum length of 96. Maximum length of 203.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}/policy/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

Required: Yes

policyEngineId

The identifier of the policy engine that manages this policy. This establishes the policy engine context for policy evaluation and management.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

policyId

The unique identifier for the policy. This system-generated identifier consists of the user name plus a 10-character generated suffix and serves as the primary key for policy operations.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

status

The current status of the policy.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

Required: Yes

statusReasons

Additional information about the policy status. This provides details about any failures or the current state of the policy lifecycle.

Type: Array of strings

Required: Yes

updatedAt

The timestamp when the policy was last modified. This tracks the most recent changes to the policy configuration or metadata.

Type: Timestamp

Required: Yes

description

A human-readable description of the policy's purpose and functionality. Limited to 4,096 characters, this helps administrators understand and manage the policy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

enforcementMode

The current enforcement mode of the policy.

Type: String

Valid Values: `ACTIVE | LOG_ONLY`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PolicyDefinition

Represents the definition structure for policies within the AgentCore Policy system. This structure encapsulates different policy formats and languages that can be used to define access control rules.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

cedar

The Cedar policy definition within the policy definition structure. This contains the Cedar policy statement that defines the authorization logic using Cedar's human-readable, analyzable policy language. Cedar policies specify principals (who can access), actions (what operations are allowed), resources (what can be accessed), and optional conditions for fine-grained control. Cedar provides a formal policy language designed for authorization with deterministic evaluation, making policies testable, reviewable, and auditable. All Cedar policies follow a default-deny model where actions are denied unless explicitly permitted, and forbid policies always override permit policies.

Type: CedarPolicy object

Required: No

policy

The Dogwood policy statement that defines the access control rules. This policy definition can include Dogwood policies and supports temporal conditions and information providers such as guardrails.

Type: PolicyStatement object

Required: No

policyGeneration

The generated policy asset information within the policy definition structure. This contains information identifying a generated policy asset from the AI-powered policy generation process within the AgentCore Policy system. Each asset contains a Dogwood policy statement generated from natural language input, along with associated metadata and analysis findings to help users evaluate and select the most appropriate policy option.

Type: PolicyGenerationDetails object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PolicyEngine

Represents a policy engine resource within the AgentCore Policy system. Policy engines serve as containers for grouping related policies and provide the execution context for policy evaluation and management. Each policy engine can be associated with one Gateway (one engine per Gateway), where it intercepts all agent tool calls and evaluates them against the contained policies before allowing tools to execute. The policy engine maintains the Cedar schema generated from the Gateway's tool manifest, ensuring that policies are validated against the actual tools and parameters available. Policy engines support two enforcement modes that can be configured when associating with a Gateway: log-only mode for testing (evaluates decisions without blocking) and enforce mode for production (actively allows or denies based on policy evaluation).

Contents

createdAt

The timestamp when the policy engine was originally created. This is automatically set by the service and used for auditing and lifecycle management.

Type: Timestamp

Required: Yes

name

The customer-assigned immutable name for the policy engine. This human-readable identifier must be unique within the account and cannot exceed 48 characters.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

Required: Yes

policyEngineArn

The Amazon Resource Name (ARN) of the policy engine. This globally unique identifier can be used for cross-service references and IAM policy statements.

Type: String

Length Constraints: Minimum length of 76. Maximum length of 136.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

Required: Yes

policyEngineId

The unique identifier for the policy engine. This system-generated identifier consists of the user name plus a 10-character generated suffix and serves as the primary key for policy engine operations.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

status

The current status of the policy engine.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

Required: Yes

statusReasons

Additional information about the policy engine status. This provides details about any failures or the current state of the policy engine lifecycle.

Type: Array of strings

Required: Yes

updatedAt

The timestamp when the policy engine was last modified. This tracks the most recent changes to the policy engine configuration or metadata.

Type: Timestamp

Required: Yes

description

A human-readable description of the policy engine's purpose and scope. Limited to 4,096 characters, this helps administrators understand the policy engine's role in the overall governance strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

encryptionKeyArn

The Amazon Resource Name (ARN) of the Amazon KMS key used to encrypt the policy engine data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PolicyEngineSummary

Represents a metadata-only summary of a policy engine resource. This structure contains resource identifiers, status, and timestamps without customer-encrypted fields such as description or status reasons. Policy engine summaries are returned by operations that do not require access to the customer's Amazon KMS key.

Contents

createdAt

The timestamp when the policy engine was originally created.

Type: Timestamp

Required: Yes

name

The customer-assigned name of the policy engine.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

Required: Yes

policyEngineArn

The Amazon Resource Name (ARN) of the policy engine.

Type: String

Length Constraints: Minimum length of 76. Maximum length of 136.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

Required: Yes

policyEngineId

The unique identifier for the policy engine.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

status

The current status of the policy engine.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

Required: Yes

updatedAt

The timestamp when the policy engine was last modified.

Type: Timestamp

Required: Yes

encryptionKeyArn

The Amazon Resource Name (ARN) of the Amazon KMS key used to encrypt the policy engine data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(|-cn|-us-gov):kms:[a-zA-Z0-9-]*:[0-9]{12}:key/[a-zA-Z0-9-]{36}`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PolicyGeneration

Represents a policy generation request within the AgentCore Policy system. Tracks the AI-powered conversion of natural language descriptions into Dogwood policy statements, enabling users to author policies by describing authorization requirements in plain English. The generation process analyzes the natural language input along with the Gateway's tool context and Cedar schema to produce one or more validated policy options. Each generation request tracks the status of the conversion process and maintains findings about the generated policies, including validation results and potential issues. Generated policy assets remain available for one week after successful generation, allowing time to review and create policies from the generated options.

Contents

createdAt

The timestamp when this policy generation request was created.

Type: Timestamp

Required: Yes

name

The customer-assigned name for this policy generation request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

Required: Yes

policyEngineId

The identifier of the policy engine associated with this generation request.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

policyGenerationArn

The ARN of this policy generation request.

Type: String

Length Constraints: Minimum length of 103. Maximum length of 210.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}/policy-generation/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

Required: Yes

policyGenerationId

The unique identifier for this policy generation request.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

resource

The resource information associated with this policy generation.

Type: Resource object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

status

The current status of this policy generation request.

Type: String

Valid Values: `GENERATING | GENERATED | GENERATE_FAILED | DELETE_FAILED`

Required: Yes

statusReasons

Additional information about the generation status.

Type: Array of strings

Required: Yes

updatedAt

The timestamp when this policy generation was last updated.

Type: Timestamp

Required: Yes

findings

Findings and insights from this policy generation process.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PolicyGenerationAsset

Represents a generated policy asset from the AI-powered policy generation process within the AgentCore Policy system. Each asset contains a Dogwood policy statement generated from natural language input, along with associated metadata and analysis findings to help users evaluate and select the most appropriate policy option.

Contents

findings

Analysis findings and insights related to this specific generated policy asset. These findings may include validation results, potential issues, or recommendations for improvement to help users evaluate the quality and appropriateness of the generated policy.

Type: Array of Finding objects

Required: Yes

policyGenerationAssetId

The unique identifier for this generated policy asset within the policy generation request. This ID can be used to reference specific generated policy options when creating actual policies from the generation results.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

rawTextFragment

The portion of the original natural language input that this generated policy asset addresses. This helps users understand which part of their policy description was translated into this specific Dogwood policy statement, enabling better policy selection and refinement. When a single natural language input describes multiple authorization requirements, the generation process creates separate policy assets for each requirement, with each asset's rawTextFragment showing which requirement it addresses. Use this mapping to verify that all parts of your natural language input were correctly translated into Dogwood policies.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Required: Yes

definition

Represents the definition structure for policies within the AgentCore Policy system. This structure encapsulates different policy formats and languages that can be used to define access control rules.

Type: PolicyDefinition object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PolicyGenerationDetails

Represents the information identifying a generated policy asset from the AI-powered policy generation process within the AgentCore Policy system. Each asset contains a Dogwood policy statement generated from natural language input, along with associated metadata and analysis findings to help users evaluate and select the most appropriate policy option.

Contents

policyGenerationAssetId

The unique identifier for this generated policy asset within the policy generation request.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

policyGenerationId

The unique identifier for this policy generation request.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PolicyGenerationSummary

Represents a metadata-only summary of a policy generation resource. This structure contains resource identifiers, status, timestamps, and findings without customer-encrypted fields such as status reasons. Policy generation summaries are returned by operations that do not require access to the customer's Amazon KMS key.

Contents

createdAt

The timestamp when this policy generation request was created.

Type: Timestamp

Required: Yes

name

The customer-assigned name for this policy generation request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

Required: Yes

policyEngineId

The identifier of the policy engine associated with this generation request.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

policyGenerationArn

The ARN of this policy generation request.

Type: String

Length Constraints: Minimum length of 103. Maximum length of 210.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}/policy-generation/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

Required: Yes

policyGenerationId

The unique identifier for this policy generation request.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

resource

The resource information associated with this policy generation.

Type: Resource object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

status

The current status of this policy generation request.

Type: String

Valid Values: `GENERATING | GENERATED | GENERATE_FAILED | DELETE_FAILED`

Required: Yes

updatedAt

The timestamp when this policy generation was last updated.

Type: Timestamp

Required: Yes

findings

Findings and insights from this policy generation process.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PolicyStatement

An AgentCore Cedar or Dogwood policy statement, which supports plain Cedar policies, temporal policies, and guardrails definitions.

Contents

statement

The body of the AgentCore Cedar or Dogwood policy statement. Contains the policy logic, which can be a Cedar policy, a temporal policy, or a guardrails definition.

Type: String

Length Constraints: Minimum length of 35. Maximum length of 10000.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PolicySummary

Represents a metadata-only summary of a policy resource. This structure contains resource identifiers, status, and timestamps without customer-encrypted fields such as definition, description, or status reasons. Policy summaries are returned by operations that do not require access to the customer's Amazon KMS key.

Contents

createdAt

The timestamp when the policy was originally created.

Type: Timestamp

Required: Yes

name

The customer-assigned name of the policy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `[A-Za-z][A-Za-z0-9_]*`

Required: Yes

policyArn

The Amazon Resource Name (ARN) of the policy.

Type: String

Length Constraints: Minimum length of 96. Maximum length of 203.

Pattern: `arn:aws[-a-z]{0,7}:bedrock-agentcore:[a-z0-9-]{9,15}:[0-9]{12}:policy-engine/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}/policy/[a-zA-Z][a-zA-Z0-9-_]{0,47}-[a-zA-Z0-9_]{10}`

Required: Yes

policyEngineId

The identifier of the policy engine that manages this policy.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

policyId

The unique identifier for the policy.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 59.

Pattern: `[A-Za-z][A-Za-z0-9_]*-[a-z0-9_]{10}`

Required: Yes

status

The current status of the policy.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATE_FAILED | UPDATE_FAILED | DELETE_FAILED`

Required: Yes

updatedAt

The timestamp when the policy was last modified.

Type: Timestamp

Required: Yes

enforcementMode

The current enforcement mode of the policy.

Type: String

Valid Values: `ACTIVE | LOG_ONLY`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PrivateEndpoint

The private endpoint configuration for a gateway target. Defines how the gateway connects to private resources in your VPC.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

managedVpcResource

Configuration for connecting to a private resource using a managed VPC Lattice resource. The gateway creates and manages the VPC Lattice resources on your behalf.

Type: ManagedVpcResource object

Required: No

selfManagedLatticeResource

Configuration for connecting to a private resource using a self-managed VPC Lattice resource configuration.

Type: SelfManagedLatticeResource object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

PrivateEndpointOverride

A mapping of a specific domain to a private endpoint for secure connectivity through a VPC Lattice resource configuration.

Contents

domain

The domain to override with a private endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 253.

Required: Yes

privateEndpoint

The private endpoint configuration for the specified domain.

Type: PrivateEndpoint object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PrivateKeyJwtConfig

The private key configuration for private_key_jwt client authentication.

Contents

additionalHeaderClaims

A map of additional claims to include in the JWT client assertion header. Standard header claims such as `alg` and `typ` cannot be added.

Type: String to string map

Map Entries: Maximum number of 10 items.

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: `[A-Za-z0-9_.:#-]+`

Value Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

additionalPayloadClaims

A map of additional claims to include in the JWT client assertion payload. Payload claims generated by the service, such as `iss`, `sub`, `jti`, and `exp`, cannot be added.

Type: String to string map

Map Entries: Maximum number of 10 items.

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: `[A-Za-z0-9_.:#-]+`

Value Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

privateKeySource

The private key source for the JWT client assertion.

Type: PrivateKeySource object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

signingAlgorithm

The algorithm used to sign the JWT client assertion. Valid values are RS256, PS256, and ES256.

Type: String

Valid Values: RS256 | PS256 | ES256

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PrivateKeySource

Contains the private key source configuration for a JWT client assertion.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

kmsKeySource

The Amazon KMS key source for the JWT client assertion.

Type: KmsKeySourceType object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ProtocolConfiguration

The protocol configuration for an agent runtime. This structure defines how the agent runtime communicates with clients.

Contents

serverProtocol

The server protocol for the agent runtime. This field specifies which protocol the agent runtime uses to communicate with clients.

Type: String

Valid Values: `MCP | HTTP | A2A | AGUI`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ProviderPrefix

The configuration that controls how a provider prefix is applied to model IDs during translation.

Contents

separator

The single character that separates the provider prefix from the model name (for example, `.`). The default is `..`

Type: String

Length Constraints: Fixed length of 1.

Required: No

strip

Whether clients can omit the provider prefix from model IDs. If `true`, the gateway accepts model IDs without the prefix and restores the full prefixed form before forwarding to the provider. The default is `false`.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RateConfig

Contains the rate configuration for a rate limit metric, specifying the allowed rate and time period.

Contents

period

The time period for the rate limit. Valid values:

- `second`—Measures the rate limit over a one-second window.
- `minute`—Measures the rate limit over a one-minute window.

Type: String

Valid Values: `second | minute`

Required: Yes

rate

The rate value for the limit. For request limits, this is the number of requests allowed per period. For token limits, this is the number of tokens allowed per period. For connection limits, this is the number of concurrent connections allowed.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 10000000.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RatingScale

The rating scale that defines how evaluators should score agent performance, supporting both numerical and categorical scales.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

categorical

The categorical rating scale with named categories and definitions for qualitative evaluation.

Type: Array of CategoricalScaleDefinition objects

Required: No

numerical

The numerical rating scale with defined score values and descriptions for quantitative evaluation.

Type: Array of NumericalScaleDefinition objects

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ReasoningConfiguration

The reasoning configuration that controls how a reasoning model allocates effort during evaluation.

Contents

effort

The level of reasoning effort the model applies when generating a response. For supported values, see the model provider's documentation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RecordingConfig

The recording configuration for a browser. This structure defines how browser sessions are recorded.

Contents

enabled

Indicates whether recording is enabled for the browser. When set to true, browser sessions are recorded.

Type: Boolean

Required: No

s3Location

The Amazon S3 location where browser recordings are stored. This location contains the recorded browser sessions.

Type: S3Location object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ReflectionConfiguration

Contains reflection configuration information for a memory strategy.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

customReflectionConfiguration

The configuration for a custom reflection strategy.

Type: CustomReflectionConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

episodicReflectionConfiguration

The configuration for the episodic reflection strategy.

Type: EpisodicReflectionConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RegistryRecordCredentialProviderConfiguration

A pairing of a credential provider type with its corresponding provider details for authenticating with external sources.

Contents

credentialProvider

The credential provider configuration details. The structure depends on the `credentialProviderType`.

Type: RegistryRecordCredentialProviderUnion object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

credentialProviderType

The type of credential provider.

- `OAUTH` - OAuth-based authentication.
- `IAM` - Amazon IAM-based authentication using SigV4 signing.

Type: String

Valid Values: `OAUTH | IAM`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RegistryRecordCredentialProviderUnion

Union of supported credential provider types for registry record synchronization.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

iamCredentialProvider

The IAM credential provider configuration for authenticating with the external source using SigV4 signing.

Type: RegistryRecordIamCredentialProvider object

Required: No

oauthCredentialProvider

The OAuth credential provider configuration for authenticating with the external source.

Type: RegistryRecordOAuthCredentialProvider object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RegistryRecordIamCredentialProvider

IAM credential provider configuration for authenticating with an external source using SigV4 signing during synchronization.

Contents

region

The Amazon region for SigV4 signing (for example, `us-west-2`). If not specified, the region is extracted from the MCP server URL hostname, with fallback to the service's own region.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-z0-9-]+`

Required: No

roleArn

The Amazon Resource Name (ARN) of the IAM role to assume for SigV4 signing.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:iam::[0-9]{12}:role/.+`

Required: No

service

The SigV4 signing service name (for example, `execute-api` or `bedrock-agentcore`).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z0-9_-]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RegistryRecordOAuthCredentialProvider

OAuth credential provider configuration for authenticating with an external source during synchronization.

Contents

providerArn

The Amazon Resource Name (ARN) of the OAuth credential provider resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:.*`

Required: Yes

customParameters

Additional custom parameters for the OAuth flow.

Type: String to string map

Required: No

grantType

The OAuth grant type. Currently only `CLIENT_CREDENTIALS` is supported.

Type: String

Valid Values: `CLIENT_CREDENTIALS`

Required: No

scopes

The OAuth scopes to request during authentication.

Type: Array of strings

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RegistryRecordSummary

Contains summary information about a registry record.

Contents

createdAt

The timestamp when the registry record was created.

Type: Timestamp

Required: Yes

descriptorType

The descriptor type of the registry record. Possible values are `MCP`, `A2A`, `CUSTOM`, and `AGENT_SKILLS`.

Type: String

Valid Values: `MCP | A2A | CUSTOM | AGENT_SKILLS`

Required: Yes

name

The name of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

Required: Yes

recordArn

The Amazon Resource Name (ARN) of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}/record/[a-zA-Z0-9]{12}`

Required: Yes

recordId

The unique identifier of the registry record.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[a-zA-Z0-9]{12}`

Required: Yes

recordVersion

The version of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9.-]+`

Required: Yes

registryArn

The Amazon Resource Name (ARN) of the registry that contains the record.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

Required: Yes

status

The current status of the registry record. Possible values include `CREATING`, `DRAFT`, `APPROVED`, `PENDING_APPROVAL`, `REJECTED`, `DEPRECATED`, `UPDATING`, `CREATE_FAILED`, and `UPDATE_FAILED`.

Type: String

Valid Values: `DRAFT | PENDING_APPROVAL | APPROVED | REJECTED | DEPRECATED | CREATING | UPDATING | CREATE_FAILED | UPDATE_FAILED`

Required: Yes

updatedAt

The timestamp when the registry record was last updated.

Type: Timestamp

Required: Yes

description

The description of the registry record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RegistrySummary

Contains summary information about a registry.

Contents

createdAt

The timestamp when the registry was created.

Type: Timestamp

Required: Yes

name

The name of the registry.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-\.\/]*`

Required: Yes

registryArn

The Amazon Resource Name (ARN) of the registry.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:registry/[a-zA-Z0-9]{12,16}`

Required: Yes

registryId

The unique identifier of the registry.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 16.

Pattern: `[a-zA-Z0-9]{12,16}`

Required: Yes

status

The current status of the registry. Possible values include `CREATING`, `READY`, `UPDATING`, `CREATE_FAILED`, `UPDATE_FAILED`, `DELETING`, and `DELETE_FAILED`.

Type: String

Valid Values: `CREATING | READY | UPDATING | CREATE_FAILED | UPDATE_FAILED | DELETING | DELETE_FAILED`

Required: Yes

updatedAt

The timestamp when the registry was last updated.

Type: Timestamp

Required: Yes

authorizerType

The type of authorizer used by the registry. This controls the authorization method for the Search and Invoke APIs used by consumers.

- `CUSTOM_JWT` - Authorize with a bearer token.
- `AWS_IAM` - Authorize with your Amazon IAM credentials.

Type: String

Valid Values: `CUSTOM_JWT | AWS_IAM`

Required: No

description

The description of the registry.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

statusReason

The reason for the current status, typically set when the status is a failure state.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RequestHeaderConfiguration

Configuration for HTTP request headers that will be passed through to the runtime.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

requestHeaderAllowlist

A list of HTTP request headers that are allowed to be passed through to the runtime.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[A-Za-z][A-Za-z0-9_-]{0,255}`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Resource

Represents a resource within the AgentCore Policy system. Resources are the targets of policy evaluation. Currently, only AgentCore Gateways are supported as resources for policy enforcement.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

arn

The Amazon Resource Name (ARN) of the resource. This globally unique identifier specifies the exact resource that policies will be evaluated against for access control decisions.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 1011.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ResourceLocation

The location of a resource.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

s3

The Amazon S3 location for storing data. This structure defines where in Amazon S3 data is stored.

Type: S3Location object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RootVolumeConfiguration

The configuration for the root volume of a capacity provider instance. Specify the amount of free space to guarantee on the root volume. The device name and delete-on-termination settings are fixed and cannot be changed.

Contents

encrypted

Specifies whether to encrypt the volume. Encrypted volumes can be attached only to instances that support Amazon EBS encryption. If you create a volume from a snapshot, you cannot specify an encryption value.

Type: Boolean

Required: No

freeSpaceGiB

The free space guaranteed on the root volume, in GiB. AgentCore adds the operating system overhead on top of this value. The default is 8 GiB.

Type: Integer

Valid Range: Minimum value of 2. Maximum value of 65000.

Required: No

iops

The number of IOPS to provision. For `gp3`, `io1`, and `io2` volumes, this is the number of IOPS provisioned for the volume. For `gp2` volumes, this sets the baseline IOPS performance. It also controls the rate at which the volume accumulates I/O credits for bursting. Supported values: `gp3`, 3,000–80,000; `io1`, 100–64,000; `io2`, 100–256,000.

Type: Integer

Valid Range: Minimum value of 100. Maximum value of 256000.

Required: No

kmsKeyId

The identifier (key ID, key alias, key ARN, or alias ARN) of the customer managed Amazon KMS key to use for Amazon EBS encryption.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:kms:[a-z0-9-]+:[0-9]{12}:key/[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: No

throughput

The throughput to provision, in MiB/s. Valid only for gp3 volumes. Valid range: 125–2,000 MiB/s.

Type: Integer

Valid Range: Minimum value of 125. Maximum value of 2000.

Required: No

volumeType

The Amazon EBS volume type. If you do not specify a type, the default is gp3.

Type: String

Valid Values: `standard | io1 | io2 | gp2 | sc1 | st1 | gp3`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

RouteToTargetAction

An action that routes requests to a gateway target, either statically or with weighted traffic splitting.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

staticRoute

A static route that sends all matching requests to a single target.

Type: StaticRoute object

Required: No

weightedRoute

A weighted route that splits traffic between multiple targets.

Type: WeightedRoute object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Rule

The evaluation rule that defines sampling configuration, filtering criteria, and session detection settings for online evaluation.

Contents

samplingConfig

The sampling configuration that determines what percentage of agent traces to evaluate.

Type: SamplingConfig object

Required: Yes

filters

The list of filters that determine which agent traces should be included in the evaluation based on trace properties.

Type: Array of Filter objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

sessionConfig

The session configuration that defines timeout settings for detecting when agent sessions are complete and ready for evaluation.

Type: SessionConfig object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

RuntimeMetadataConfiguration

Configuration for microVM metadata service settings.

Contents

requireMMDSV2

Enables MMDSv2 (microVM Metadata Service Version 2) requirement for the agent runtime. When set to `true`, the runtime microVM will only accept MMDSv2 requests.

Type: Boolean

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RuntimeTargetConfiguration

Configuration for an AgentCore Runtime target. Specifies the agent runtime to route requests to via HTTP.

Contents

arn

The Amazon Resource Name (ARN) of the AgentCore Runtime to route requests to.

Type: String

Pattern: `arn:aws(-[^:]+)?:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:runtime/[a-zA-Z][a-zA-Z0-9_]{0,47}-[a-zA-Z0-9]{10}`

Required: Yes

qualifier

The qualifier for the agent runtime, used to target a specific endpoint version. If not specified, the default endpoint is used.

Type: String

Pattern: `.*([1-9][0-9]{0,4})|([a-zA-Z][a-zA-Z0-9_]{0,47}).*`

Required: No

schema

The API schema configuration that defines the structure of the runtime target's API.

Type: HttpApiSchemaConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

S3Configuration

The Amazon S3 configuration for a gateway. This structure defines how the gateway accesses files in Amazon S3.

Contents

bucketOwnerAccountId

The account ID of the Amazon S3 bucket owner. This ID is used for cross-account access to the bucket.

Type: String

Pattern: `[0-9]{12}`

Required: No

uri

The URI of the Amazon S3 object. This URI specifies the location of the object in Amazon S3.

Type: String

Pattern: `s3://.{1,2043}`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

S3FilesAccessPointConfiguration

Configuration for an Amazon S3 Files access point filesystem mounted into the AgentCore Runtime. S3 Files access points provide shared file storage accessible from your AgentCore Runtime sessions.

Contents

accessPointArn

The ARN of the S3 Files access point to mount into the AgentCore Runtime.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `arn:aws[-a-z]*:s3files:[0-9a-z-:]+:file-system/fs-[0-9a-f]{17,40}/access-point/fsap-[0-9a-f]{17,40}`

Required: Yes

mountPath

The mount path for the S3 Files access point inside the AgentCore Runtime. The path must be under `/mnt` with exactly one subdirectory level (for example, `/mnt/data`).

Type: String

Length Constraints: Minimum length of 6. Maximum length of 200.

Pattern: `/mnt/[a-zA-Z0-9._-]+/?`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

S3FilesConfiguration

The configuration for mounting an Amazon Simple Storage Service (Amazon S3) Files access point that you own into a session.

Contents

accessPointArn

The Amazon Resource Name (ARN) of the Amazon Simple Storage Service (Amazon S3) Files access point to mount.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `arn:aws[-a-z]*:s3files:[0-9a-z-:]+:file-system/fs-[0-9a-f]{17,40}/access-point/fsap-[0-9a-f]{17,40}`

Required: Yes

fileSystemArn

The Amazon Resource Name (ARN) of the Amazon Simple Storage Service (Amazon S3) Files file system that owns the access point.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `arn:aws[-a-z]*:s3files:[a-z0-9-]+:[0-9]{12}:file-system/fs-[0-9a-f]{17,40}`

Required: Yes

mountPath

The absolute path within the session at which the access point is mounted, for example `/mnt/s3data`. Each mount path must be unique across all file system configurations in the session.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 200.

Pattern: `/mnt/[a-zA-Z0-9._-]+/?`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

S3Location

The Amazon S3 location for storing data. This structure defines where in Amazon S3 data is stored.

Contents

bucket

The name of the Amazon S3 bucket. This bucket contains the stored data.

Type: String

Pattern: `[a-z0-9][a-z0-9.-]{1,61}[a-z0-9]`

Required: Yes

prefix

The prefix for objects in the Amazon S3 bucket. This prefix is added to the object keys to organize the data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

versionId

The version ID of the Amazon Amazon S3 object. If not specified, the latest version of the object is used.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

S3Source

Amazon S3 location of a JSONL file containing dataset examples.

Contents

s3Uri

Amazon S3 URI of the JSONL file (for example, `s3://my-bucket/path/to/examples.jsonl`).

Type: String

Pattern: `s3://[a-z0-9][a-z0-9.\-]{1,61}[a-z0-9]/.{1,1024}`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SalesforceOauth2ProviderConfigInput

Input configuration for a Salesforce OAuth2 provider.

Contents

clientId

The client ID for the Salesforce OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

clientSecret

The client secret for the Salesforce OAuth2 provider.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

clientSecretConfig

A reference to the Amazon Secrets Manager secret that stores the client secret. This includes the secret ID and the JSON key used to extract the client secret value from the secret. Required when `clientSecretSource` is set to `EXTERNAL`.

Type: SecretReference object

Required: No

clientSecretSource

The source type of the client secret. Use `MANAGED` if the secret is managed by the service, or `EXTERNAL` if you manage the secret yourself in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED` | `EXTERNAL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SalesforceOauth2ProviderConfigOutput

Output configuration for a Salesforce OAuth2 provider.

Contents

oauthDiscovery

The OAuth2 discovery information for the Salesforce provider.

Type: Oauth2Discovery object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

clientId

The client ID for the Salesforce OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SamplingConfig

The configuration that controls what percentage of agent traces are sampled for evaluation to manage evaluation volume and costs.

Contents

samplingPercentage

The percentage of agent traces to sample for evaluation, ranging from 0.01% to 100%.

Type: Double

Valid Range: Minimum value of 0.01. Maximum value of 100.0.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SchemaDefinition

A schema definition for a gateway target. This structure defines the structure of the API that the target exposes.

Contents

type

The type of the schema definition. This field specifies the data type of the schema.

Type: String

Valid Values: `string | number | object | array | boolean | integer`

Required: Yes

description

The description of the schema definition. This description provides information about the purpose and usage of the schema.

Type: String

Required: No

items

The items in the schema definition. This field is used for array types to define the structure of the array elements.

Type: SchemaDefinition object

Required: No

properties

The properties of the schema definition. These properties define the fields in the schema.

Type: String to SchemaDefinition object map

Required: No

required

The required fields in the schema definition. These fields must be provided when using the schema.

Type: Array of strings

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Secret

Contains information about a secret in Amazon Secrets Manager.

Contents

secretArn

The Amazon Resource Name (ARN) of the secret in Amazon Secrets Manager.

Type: String

Pattern: `arn:(aws|aws-us-gov):secretsmanager:[A-Za-z0-9-]{1,64}:[0-9]{12}:secret:[a-zA-Z0-9-_/+=.@!]+`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SecretReference

Contains a reference to a secret stored in Amazon Secrets Manager.

Contents

jsonKey

The JSON key used to extract the secret value from the Amazon Secrets Manager secret.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

secretId

The ID of the Amazon Secrets Manager secret that stores the secret value.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SecretsManagerLocation

The Amazon Secrets Manager location configuration.

Contents

secretArn

The ARN of the Amazon Secrets Manager secret containing the certificate.

Type: String

Pattern: `arn:aws(-[a-z-]+)?:secretsmanager:[a-z0-9-]+:[0-9]{12}:secret:[a-zA-Z0-9/_+=.@-]+`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SelfManagedConfiguration

A configuration for a self-managed memory strategy.

Contents

historicalContextWindowSize

The number of historical messages to include in processing context.

Type: Integer

Required: Yes

invocationConfiguration

The configuration to use when invoking memory processing.

Type: InvocationConfiguration object

Required: Yes

triggerConditions

A list of conditions that trigger memory processing.

Type: Array of TriggerCondition objects

Array Members: Minimum number of 1 item.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SelfManagedConfigurationInput

Input configuration for a self-managed memory strategy.

Contents

invocationConfiguration

Configuration to invoke a self-managed memory processing pipeline with.

Type: InvocationConfigurationInput object

Required: Yes

historicalContextWindowSize

Number of historical messages to include in processing context.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 50.

Required: No

triggerConditions

A list of conditions that trigger memory processing.

Type: Array of TriggerConditionInput objects

Array Members: Minimum number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SelfManagedLatticeResource

Configuration for a self-managed VPC Lattice resource. You create and manage the VPC Lattice resource gateway and resource configuration, then provide the resource configuration identifier.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

resourceConfigurationIdentifier

The ARN or ID of the VPC Lattice resource configuration.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `((rcfg-[0-9a-z]{17})|(arn:[a-z0-9\-]+:vpc-lattice:[a-zA-Z0-9\-]+:\d{12}:resourceconfiguration/rcfg-[0-9a-z]{17}))`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SemanticConsolidationOverride

Contains semantic consolidation override configuration.

Contents

appendToPrompt

The text to append to the prompt for semantic consolidation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for semantic consolidation.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SemanticExtractionOverride

Contains semantic extraction override configuration.

Contents

appendToPrompt

The text to append to the prompt for semantic extraction.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for semantic extraction.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SemanticMemoryStrategyInput

Input for creating a semantic memory strategy.

Contents

name

The name of the semantic memory strategy.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

description

The description of the semantic memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

memoryRecordSchema

Schema for metadata on memory records generated by a strategy.

Type: MemoryRecordSchema object

Required: No

namespaces

This member has been deprecated.

This is a legacy parameter, use `namespaceTemplates`. The namespaces associated with the semantic memory strategy.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

namespaceTemplates

The namespaceTemplates associated with the semantic memory strategy.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SemanticOverrideConfigurationInput

Input for semantic override configuration in a memory strategy.

Contents

consolidation

The consolidation configuration for a semantic override.

Type: SemanticOverrideConsolidationConfigurationInput object

Required: No

extraction

The extraction configuration for a semantic override.

Type: SemanticOverrideExtractionConfigurationInput object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SemanticOverrideConsolidationConfigurationInput

Input for semantic override consolidation configuration in a memory strategy.

Contents

appendToPrompt

The text to append to the prompt for semantic consolidation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for semantic consolidation.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SemanticOverrideExtractionConfigurationInput

Input for semantic override extraction configuration in a memory strategy.

Contents

appendToPrompt

The text to append to the prompt for semantic extraction.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for semantic extraction.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ServerDefinition

The server definition for an MCP descriptor. Contains the schema version and inline content for the MCP server configuration.

Contents

inlineContent

The JSON content containing the MCP server definition, conforming to the MCP protocol specification.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 102400.

Required: No

schemaVersion

The schema version of the server definition based on the MCP protocol specification. If not specified, the version is auto-detected from the content.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SessionConfig

The configuration that defines how agent sessions are detected and when they are considered complete for evaluation.

Contents

sessionTimeoutMinutes

The number of minutes of inactivity after which an agent session is considered complete and ready for evaluation. Default is 15 minutes.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1440.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SessionConfiguration

The session configuration for an MCP gateway. This structure defines settings that control session behavior.

Contents

sessionTimeoutInSeconds

The session timeout in seconds. After this timeout, the session expires and subsequent requests to this session will receive an error. The minimum value is 900 seconds (15 minutes), the maximum value is 28800 seconds (8 hours), and the default value is 3600 seconds (1 hour).

Type: Integer

Valid Range: Minimum value of 900. Maximum value of 28800.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SessionStorageConfiguration

Configuration for a session storage filesystem mounted into the AgentCore Runtime. Session storage provides persistent storage that is preserved across AgentCore Runtime session invocations.

Contents

mountPath

The mount path for the session storage filesystem inside the AgentCore Runtime. The path must be under `/mnt` with exactly one subdirectory level (for example, `/mnt/data`).

Type: String

Length Constraints: Minimum length of 6. Maximum length of 200.

Pattern: `/mnt/[a-zA-Z0-9._-]+/?`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SkillDefinition

The structured skill definition with schema version and content.

Contents

inlineContent

The JSON content containing the structured skill definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 102400.

Required: No

schemaVersion

The version of the skill definition schema.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SkillMdDefinition

The skill markdown definition for an agent skills descriptor.

Contents

inlineContent

The markdown content describing the agent's skills in a human-readable format.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 102400.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SlackOauth2ProviderConfigInput

Input configuration for a Slack OAuth2 provider.

Contents

clientId

The client ID for the Slack OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

clientSecret

The client secret for the Slack OAuth2 provider.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

clientSecretConfig

A reference to the Amazon Secrets Manager secret that stores the client secret. This includes the secret ID and the JSON key used to extract the client secret value from the secret. Required when `clientSecretSource` is set to `EXTERNAL`.

Type: SecretReference object

Required: No

clientSecretSource

The source type of the client secret. Use `MANAGED` if the secret is managed by the service, or `EXTERNAL` if you manage the secret yourself in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED` | `EXTERNAL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SlackOauth2ProviderConfigOutput

Output configuration for a Slack OAuth2 provider.

Contents

oauthDiscovery

The OAuth2 discovery information for the Slack provider.

Type: Oauth2Discovery object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

clientId

The client ID for the Slack OAuth2 provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StaticOverride

A static configuration bundle override.

Contents

bundleArn

The Amazon Resource Name (ARN) of the configuration bundle to apply.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:bedrock-agentcore:[a-z0-9-]+:[0-9]{12}:configuration-bundle/[a-zA-Z][a-zA-Z0-9-_]{0,99}-[a-zA-Z0-9]{10}`

Required: Yes

bundleVersion

The version of the configuration bundle to apply.

Type: String

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StaticRoute

A static route to a single gateway target.

Contents

targetName

The name of the target to route requests to.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,100}`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StickinessConfiguration

The configuration for session-sticky routing to a target. Session stickiness routes requests that share a session identifier to the same target.

Contents

identifier

The expression that identifies where to extract the session identifier from the request (for example, `$context.header.x-session-id`).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

compositeIdentifier

Additional headers to include in session affinity routing. When set, requests are only considered part of the same session if both the `identifier` and all composite identifier values match.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

timeout

The session stickiness timeout, in seconds. After this duration of inactivity, the session affinity expires. Valid values range from 1 to 86400.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 86400.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StrategyConfiguration

Contains configuration information for a memory strategy.

Contents

consolidation

The consolidation configuration for the memory strategy.

Type: ConsolidationConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

extraction

The extraction configuration for the memory strategy.

Type: ExtractionConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

reflection

The reflection configuration for the memory strategy.

Type: ReflectionConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

selfManagedConfiguration

Self-managed configuration settings.

Type: SelfManagedConfiguration object

Required: No

type

The type of override for the strategy configuration.

Type: String

Valid Values: `SEMANTIC_OVERRIDE | SUMMARY_OVERRIDE | USER_PREFERENCE_OVERRIDE | SELF_MANAGED | EPISODIC_OVERRIDE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StreamDeliveryResource

Supported stream delivery resource types.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

kinesis

Kinesis Data Stream configuration.

Type: KinesisResource object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StreamDeliveryResources

Configuration for streaming memory record data to external resources.

Contents

resources

List of stream delivery resource configurations.

Type: Array of StreamDeliveryResource objects

Array Members: Minimum number of 0 items. Maximum number of 1 item.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StreamingConfiguration

The streaming configuration for an MCP gateway. This structure defines settings that control response streaming behavior.

Contents

enableResponseStreaming

Indicates whether response streaming is enabled for the gateway. When set to `true`, the gateway streams responses from targets back to the client.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StringListValidation

Validation for STRINGLIST fields.

Contents

allowedValues

Allowed values for items in this STRINGLIST field.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: No

maxItems

Maximum number of items in the string list.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StringValidation

Validation for STRING fields.

Contents

allowedValues

Allowed values for this STRING field.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9\s._:/=+@-]*`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StripePrivyConfigurationInput

Stripe Privy configuration — credentials provided by Stripe and Privy.

Contents

appId

The app ID provided by Privy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

authorizationId

The authorization ID for the Stripe Privy integration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

appSecret

The app secret provided by Privy.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[a-zA-Z0-9+/=\-_\s]*`

Required: No

appSecretConfig

A reference to the Amazon Secrets Manager secret that stores the app secret. This includes the secret ID and the JSON key used to extract the app secret value from the secret. Required when `appSecretSource` is set to `EXTERNAL`.

Type: SecretReference object

Required: No

appSecretSource

The source type of the app secret. Use `MANAGED` if the secret is managed by the service, or `EXTERNAL` if you manage the secret yourself in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED` | `EXTERNAL`

Required: No

authorizationPrivateKey

The authorization private key for the Stripe Privy integration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `(wallet-auth:)?[a-zA-Z0-9+/=\-_\s]*`

Required: No

authorizationPrivateKeyConfig

A reference to the Amazon Secrets Manager secret that stores the authorization private key. This includes the secret ID and the JSON key used to extract the authorization private key value from the secret. Required when `authorizationPrivateKeySource` is set to `EXTERNAL`.

Type: SecretReference object

Required: No

authorizationPrivateKeySource

The source type of the authorization private key. Use `MANAGED` if the secret is managed by the service, or `EXTERNAL` if you manage the secret yourself in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED` | `EXTERNAL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StripePrivyConfigurationOutput

Stripe Privy configuration output with secret ARNs.

Contents

appId

The app ID provided by Privy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

appSecretArn

Contains information about a secret in Amazon Secrets Manager.

Type: Secret object

Required: Yes

authorizationId

The authorization ID for the Stripe Privy integration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_]+`

Required: Yes

authorizationPrivateKeyArn

Contains information about a secret in Amazon Secrets Manager.

Type: Secret object

Required: Yes

appSecretJsonKey

The JSON key used to extract the app secret value from the Amazon Secrets Manager secret.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

appSecretSource

The source type of the app secret. Either `MANAGED` if the secret is managed by the service, or `EXTERNAL` if managed by the user in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED | EXTERNAL`

Required: No

authorizationPrivateKeyJsonKey

The JSON key used to extract the authorization private key value from the Amazon Secrets Manager secret.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

authorizationPrivateKeySource

The source type of the authorization private key. Either `MANAGED` if the secret is managed by the service, or `EXTERNAL` if managed by the user in Amazon Secrets Manager.

Type: String

Valid Values: `MANAGED | EXTERNAL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SummaryConsolidationOverride

Contains summary consolidation override configuration.

Contents

appendToPrompt

The text to append to the prompt for summary consolidation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for summary consolidation.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SummaryMemoryStrategyInput

Input for creating a summary memory strategy.

Contents

name

The name of the summary memory strategy.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

description

The description of the summary memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

memoryRecordSchema

Schema for metadata fields on records generated by this strategy.

Type: MemoryRecordSchema object

Required: No

namespaces

This member has been deprecated.

This is a legacy parameter, use `namespaceTemplates`. The namespaces associated with the summary memory strategy.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

namespaceTemplates

The namespaceTemplates associated with the summary memory strategy.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SummaryOverrideConfigurationInput

Input for summary override configuration in a memory strategy.

Contents

consolidation

The consolidation configuration for a summary override.

Type: SummaryOverrideConsolidationConfigurationInput object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SummaryOverrideConsolidationConfigurationInput

Input for summary override consolidation configuration in a memory strategy.

Contents

appendToPrompt

The text to append to the prompt for summary consolidation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for summary consolidation.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SynchronizationConfiguration

Configuration for synchronizing registry record metadata from an external source.

Contents

fromUrl

Configuration for synchronizing from a URL-based source.

Type: FromUrlSynchronizationConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SystemManagedBlock

System-managed metadata for rules created by automated processes such as A/B tests.

Contents

managedBy

The identifier of the system or process that manages this rule.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TargetConfiguration

The configuration for a gateway target. This structure defines how the gateway connects to and interacts with the target endpoint.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

http

The HTTP target configuration. Use this to route gateway requests to an HTTP-based endpoint such as an AgentCore Runtime.

Type: HttpTargetConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

inference

The inference configuration for the target. This configuration routes requests to a large language model (LLM) provider.

Type: InferenceTargetConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

mcp

The Model Context Protocol (MCP) configuration for the target. This configuration defines how the gateway uses MCP to communicate with the target.

Type: McpTargetConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TargetSummary

Contains summary information about a gateway target. A target represents an endpoint that the gateway can connect to.

Contents

createdAt

The timestamp when the target was created.

Type: Timestamp

Required: Yes

name

The name of the target.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,100}`

Required: Yes

status

The current status of the target.

Type: String

Valid Values: `CREATING | UPDATING | UPDATE_UNSUCCESSFUL | DELETING | READY | FAILED | SYNCHRONIZING | SYNCHRONIZE_UNSUCCESSFUL | CREATE_PENDING_AUTH | UPDATE_PENDING_AUTH | SYNCHRONIZE_PENDING_AUTH`

Required: Yes

targetId

The unique identifier of the target.

Type: String

Pattern: `[0-9a-zA-Z]{10}`

Required: Yes

updatedAt

The timestamp when the target was last updated.

Type: Timestamp

Required: Yes

authorizationData

Contains the authorization data that is returned when a gateway target is configured with a credential provider with authorization code grant type and requires user federation.

Type: AuthorizationData object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

description

The description of the target.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

lastSynchronizedAt

The timestamp when the target was last synchronized.

Type: Timestamp

Required: No

listingMode

The listing mode for the target. MCP resources for `DEFAULT` targets are cached at the control plane for faster access. MCP resources for `DYNAMIC` targets are retrieved dynamically when listing tools.

Type: String

Valid Values: `DEFAULT | DYNAMIC`

Required: No

resourcePriority

Priority for resolving resource URI conflicts across targets. Lower values take precedence. Defaults to 1000 when not set.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1000.

Required: No

targetType

The type of the target.

Type: String

Valid Values: `OPEN_API_SCHEMA | SMITHY_MODEL | MCP_SERVER | LAMBDA | API_GATEWAY | CONNECTOR | AGENTCORE_RUNTIME | PASSTHROUGH | PROVIDER | HTTP_CONNECTOR`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TargetTrafficSplitEntry

An entry in a target traffic split configuration.

Contents

name

The name of this traffic split variant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9]([a-zA-Z0-9-]{0,62}[a-zA-Z0-9])?`

Required: Yes

targetName

The name of the target to route traffic to.

Type: String

Pattern: `([0-9a-zA-Z][-]?){1,100}`

Required: Yes

weight

The percentage of traffic to route to this variant.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 99.

Required: Yes

description

The description of this traffic split variant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

metadata

Key-value metadata associated with this traffic split variant.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 25 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Value Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TimeBasedTrigger

Trigger configuration based on time.

Contents

idleSessionTimeout

Idle session timeout (seconds) that triggers memory processing.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TimeBasedTriggerInput

Trigger configuration based on time.

Contents

idleSessionTimeout

Idle session timeout (seconds) that triggers memory processing.

Type: Integer

Valid Range: Minimum value of 10. Maximum value of 3000.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TokenBasedTrigger

Trigger configuration based on tokens.

Contents

tokenCount

Number of tokens that trigger memory processing.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TokenBasedTriggerInput

Trigger configuration based on tokens.

Contents

tokenCount

Number of tokens that trigger memory processing.

Type: Integer

Valid Range: Minimum value of 100. Maximum value of 500000.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TokenExchangeGrantTypeConfigType

Configuration for RFC 8693 token exchange.

Contents

actorTokenContent

The content type for the actor token in the token exchange.

Type: String

Valid Values: `NONE | M2M | AWS_IAM_ID_TOKEN_JWT`

Required: Yes

actorTokenScopes

The scopes for the actor token. Only valid when actorTokenContent is M2M.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ToolDefinition

A tool definition for a gateway target. This structure defines a tool that the target exposes through the Model Context Protocol.

Contents

description

The description of the tool. This description provides information about the purpose and usage of the tool.

Type: String

Required: Yes

inputSchema

The input schema for the tool. This schema defines the structure of the input that the tool accepts.

Type: SchemaDefinition object

Required: Yes

name

The name of the tool. This name identifies the tool in the Model Context Protocol.

Type: String

Required: Yes

outputSchema

The output schema for the tool. This schema defines the structure of the output that the tool produces.

Type: SchemaDefinition object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ToolSchema

A tool schema for a gateway target. This structure defines the schema for a tool that the target exposes through the Model Context Protocol.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

inlinePayload

The inline payload of the tool schema. This payload contains the schema definition directly in the request.

Type: Array of ToolDefinition objects

Required: No

s3

The Amazon S3 location of the tool schema. This location contains the schema definition file.

Type: S3Configuration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ToolsDefinition

The tools definition for an MCP descriptor. Contains the protocol version and inline content describing the available tools.

Contents

inlineContent

The JSON content containing the MCP tools definition, conforming to the MCP protocol specification.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 102400.

Required: No

protocolVersion

The protocol version of the tools definition based on the MCP protocol specification. If not specified, the version is auto-detected from the content.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ToolsFileSystemConfiguration

Specifies a file system to mount into the session by providing exactly one of the following:

- `s3FilesConfiguration` - Mounts an Amazon Simple Storage Service (Amazon S3) Files access point.
- `efsConfiguration` - Mounts an Amazon Elastic File System (Amazon EFS) access point.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

efsConfiguration

The configuration for mounting your own Amazon Elastic File System (Amazon EFS) access point into the session.

Type: EfsConfiguration object

Required: No

s3FilesConfiguration

The configuration for mounting your own Amazon Simple Storage Service (Amazon S3) Files access point into the session.

Type: S3FilesConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TrafficSplitEntry

An entry in a traffic split configuration, defining a named variant with a weight and configuration bundle reference.

Contents

configurationBundle

The configuration bundle reference for this variant.

Type: ConfigurationBundleReference object

Required: Yes

name

The name of this traffic split variant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9]([a-zA-Z0-9-]{0,62}[a-zA-Z0-9])?`

Required: Yes

weight

The percentage of traffic to route to this variant. Weights across all entries must sum to 100.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 99.

Required: Yes

description

The description of this traffic split variant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

metadata

Key-value metadata associated with this traffic split variant.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 25 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Value Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TriggerCondition

Condition that triggers memory processing.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

messageBasedTrigger

Message based trigger configuration.

Type: MessageBasedTrigger object

Required: No

timeBasedTrigger

Time based trigger configuration.

Type: TimeBasedTrigger object

Required: No

tokenBasedTrigger

Token based trigger configuration.

Type: TokenBasedTrigger object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TriggerConditionInput

Condition that triggers memory processing.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

messageBasedTrigger

Message based trigger configuration.

Type: MessageBasedTriggerInput object

Required: No

timeBasedTrigger

Time based trigger configuration.

Type: TimeBasedTriggerInput object

Required: No

tokenBasedTrigger

Token based trigger configuration.

Type: TokenBasedTriggerInput object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedA2aDescriptor

Wrapper for updating an A2A descriptor with PATCH semantics. When present, the A2A descriptor is replaced with the provided value. When absent, the A2A descriptor is left unchanged. To unset, include the wrapper with the value set to null.

Contents

optionalValue

The updated A2A descriptor value.

Type: A2aDescriptor object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedAgentSkillsDescriptor

Wrapper for updating an agent skills descriptor with PATCH semantics. When present with a value, individual fields can be updated independently. When present with a null value, the entire agent skills descriptor is unset. When absent, the agent skills descriptor is left unchanged.

Contents

optionalValue

The updated agent skills descriptor fields.

Type: UpdatedAgentSkillsDescriptorFields object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedAgentSkillsDescriptorFields

Individual agent skills descriptor fields that can be updated independently.

Contents

skillDefinition

The updated skill definition.

Type: UpdatedSkillDefinition object

Required: No

skillMd

The updated skill markdown definition.

Type: UpdatedSkillMdDefinition object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedApprovalConfiguration

Wrapper for updating an optional approval configuration field with PATCH semantics. When present in an update request, the approval configuration is replaced with the provided value. When absent, the approval configuration is left unchanged.

Contents

optionalValue

The updated approval configuration value. Set to `null` to unset the approval configuration.

Type: ApprovalConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedAuthorizerConfiguration

Wrapper for updating an optional AuthorizerConfiguration field with PATCH semantics. When present in an update request, the authorizer configuration is replaced with optionalValue. When absent, the authorizer configuration is left unchanged. To unset, include the wrapper with optionalValue not specified.

Contents

optionalValue

The updated authorizer configuration value. If not specified, it will clear the current authorizer configuration of the resource.

Type: AuthorizerConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedCustomDescriptor

Wrapper for updating a custom descriptor with PATCH semantics. When present, the custom descriptor is replaced with the provided value. When absent, the custom descriptor is left unchanged. To unset, include the wrapper with the value set to null.

Contents

optionalValue

The updated custom descriptor value.

Type: CustomDescriptor object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedDescription

Wrapper for updating an optional Description field with PATCH semantics. When present in an update request, the description is replaced with optionalValue. When absent, the description is left unchanged. To unset the description, include the wrapper with optionalValue not specified.

Contents

optionalValue

Represents an optional value that is used to update the human-readable description of the resource. If not specified, it will clear the current description of the resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedDescriptors

Wrapper for updating an optional descriptors field with PATCH semantics. When present with a value, individual descriptors can be updated. When present with a null value, all descriptors are unset. When absent, descriptors are left unchanged.

Contents

optionalValue

The updated descriptors value. Contains per-descriptor-type wrappers that are each independently updatable.

Type: UpdatedDescriptorsUnion object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedDescriptorsUnion

Contains per-descriptor-type wrappers for updating descriptors. Each descriptor type can be updated independently.

Contents

a2a

The updated A2A descriptor.

Type: UpdatedA2aDescriptor object

Required: No

agentSkills

The updated agent skills descriptor.

Type: UpdatedAgentSkillsDescriptor object

Required: No

custom

The updated custom descriptor.

Type: UpdatedCustomDescriptor object

Required: No

mcp

The updated MCP descriptor.

Type: UpdatedMcpDescriptor object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedHarnessEnvironmentArtifact

Wrapper for updating the environment artifact configuration.

Contents

optionalValue

The updated environment artifact value, or null to clear the existing configuration.

Type: HarnessEnvironmentArtifact object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedHarnessMemoryConfiguration

Wrapper for updating the memory configuration.

Contents

optionalValue

The updated memory configuration value, or null to clear the existing configuration.

Type: HarnessMemoryConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedMcpDescriptor

Wrapper for updating an MCP descriptor with PATCH semantics. When present with a value, individual MCP fields can be updated independently. When present with a null value, the entire MCP descriptor is unset. When absent, the MCP descriptor is left unchanged.

Contents

optionalValue

The updated MCP descriptor fields.

Type: UpdatedMcpDescriptorFields object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedMcpDescriptorFields

Individual MCP descriptor fields that can be updated independently.

Contents

server

The updated server definition for the MCP descriptor.

Type: UpdatedServerDefinition object

Required: No

tools

The updated tools definition for the MCP descriptor.

Type: UpdatedToolsDefinition object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedServerDefinition

Wrapper for updating a server definition with PATCH semantics. When present, the server definition is replaced with the provided value. When absent, the server definition is left unchanged. To unset, include the wrapper with the value set to null.

Contents

optionalValue

The updated server definition value.

Type: ServerDefinition object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedSkillDefinition

Wrapper for updating a skill definition with PATCH semantics.

Contents

optionalValue

The updated skill definition value.

Type: SkillDefinition object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedSkillMdDefinition

Wrapper for updating a skill markdown definition with PATCH semantics.

Contents

optionalValue

The updated skill markdown definition value.

Type: SkillMdDefinition object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedSynchronizationConfiguration

Wrapper for updating the synchronization configuration with PATCH semantics. Must be matched with `UpdatedSynchronizationType`.

Contents

optionalValue

The updated synchronization configuration value.

Type: SynchronizationConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedSynchronizationType

Wrapper for updating the synchronization type with PATCH semantics. Must be matched with `UpdatedSynchronizationConfiguration`.

Contents

optionalValue

The updated synchronization type value.

Type: String

Valid Values: URL

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UpdatedToolsDefinition

Wrapper for updating a tools definition with PATCH semantics. When present, the tools definition is replaced with the provided value. When absent, the tools definition is left unchanged. To unset, include the wrapper with the value set to null.

Contents

optionalValue

The updated tools definition value.

Type: ToolsDefinition object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UserPreferenceConsolidationOverride

Contains user preference consolidation override configuration.

Contents

appendToPrompt

The text to append to the prompt for user preference consolidation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for user preference consolidation.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UserPreferenceExtractionOverride

Contains user preference extraction override configuration.

Contents

appendToPrompt

The text to append to the prompt for user preference extraction.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for user preference extraction.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UserPreferenceMemoryStrategyInput

Input for creating a user preference memory strategy.

Contents

name

The name of the user preference memory strategy.

Type: String

Pattern: `[a-zA-Z][a-zA-Z0-9_]{0,47}`

Required: Yes

description

The description of the user preference memory strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

memoryRecordSchema

Schema for metadata fields on records generated by this strategy.

Type: MemoryRecordSchema object

Required: No

namespaces

This member has been deprecated.

This is a legacy parameter, use `namespaceTemplates`. The namespaces associated with the user preference memory strategy.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

namespaceTemplates

The namespaceTemplates associated with the user preference memory strategy.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[a-zA-Z0-9\-_\/]*(\{[a-zA-Z][a-zA-Z0-9]*\}[a-zA-Z0-9\-_\/]*)*`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UserPreferenceOverrideConfigurationInput

Input for user preference override configuration in a memory strategy.

Contents

consolidation

The consolidation configuration for a user preference override.

Type: UserPreferenceOverrideConsolidationConfigurationInput object

Required: No

extraction

The extraction configuration for a user preference override.

Type: UserPreferenceOverrideExtractionConfigurationInput object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UserPreferenceOverrideConsolidationConfigurationInput

Input for user preference override consolidation configuration in a memory strategy.

Contents

appendToPrompt

The text to append to the prompt for user preference consolidation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for user preference consolidation.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UserPreferenceOverrideExtractionConfigurationInput

Input for user preference override extraction configuration in a memory strategy.

Contents

appendToPrompt

The text to append to the prompt for user preference extraction.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30000.

Required: Yes

modelId

The model ID to use for user preference extraction.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Validation

Validation rules for extracted metadata values. Only one type can be specified, matching the field's data type.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

numberValidation

Validation for NUMBER fields.

Type: NumberValidation object

Required: No

stringListValidation

Validation for STRINGLIST fields.

Type: StringListValidation object

Required: No

stringValidation

Validation for STRING fields.

Type: StringValidation object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ValidationExceptionField

Stores information about a field passed inside a request that resulted in an exception.

Contents

message

A message describing why this field failed validation.

Type: String

Required: Yes

name

The name of the field.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VersionCreatedBySource

The source that created a configuration bundle version.

Contents

name

The name of the source (for example, `user`, `optimization-job`, or `system`).

Type: String

Required: Yes

arn

The Amazon Resource Name (ARN) of the source, if applicable (for example, a user ARN or optimization job ARN).

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VersionFilter

A filter for listing configuration bundle versions.

Contents

branchName

Filter by branch name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z][a-zA-Z0-9_/-]{0,127}`

Required: No

createdByName

Filter by creation source name.

Type: String

Required: No

latestPerBranch

When true, returns only the latest version for each branch. When false or not specified, returns all versions. Can be combined with `branchName` to get the latest version for a specific branch.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

VersionLineageMetadata

The version lineage metadata that tracks parent versions and creation source. Supports git-like two-parent merges for branch management.

Contents

branchName

The branch name for this version. If not specified, inherits the parent's branch or defaults to `mainline`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[a-zA-Z][a-zA-Z0-9_/-]{0,127}`

Required: No

commitMessage

A commit message describing the changes in this version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Required: No

createdBy

The source that created this version.

Type: VersionCreatedBySource object

Required: No

parentVersionIds

A list of parent version identifiers. Regular commits have 0-1 parents. Merge commits have 2 parents: the target branch parent and the source branch parent. The first parent represents the primary lineage.

Type: Array of strings

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VolumeConfiguration

The configuration for a persistent volume attached to a capacity provider. This structure defines the storage backing for the persistent volumes used by agents that run on capacity provider instances.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

ebsConfiguration

The configuration for an Amazon EBS-backed persistent volume.

Type: EbsVolumeConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VpcConfig

VpcConfig for the Agent.

Contents

securityGroups

The security groups associated with the VPC configuration.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 16 items.

Pattern: `sg-[0-9a-zA-Z]{8,17}`

Required: Yes

subnets

The subnets associated with the VPC configuration.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 16 items.

Pattern: `subnet-[0-9a-zA-Z]{8,17}`

Required: Yes

requireServiceS3Endpoint

> **Note**
>
> This field applies only to Agent Runtimes. It is not applicable to Browsers or Code Interpreters.

Controls whether a service-managed Amazon S3 gateway endpoint is provisioned in the VPC network topology for the agent runtime. This gateway is used by Amazon Bedrock AgentCore Runtime to download code and container images during agent startup.

Starting May 5, 2026, Amazon Bedrock AgentCore Runtime is gradually rolling out a change to how network isolation is configured for VPC mode agents. Agent runtimes created on or after this rollout will no longer include the service-managed Amazon S3 gateway. Instead, all network access, including to Amazon S3, is governed exclusively by your VPC configuration. This field cannot be set on agent runtimes created after the rollout. Passing this field in an `UpdateAgentRuntime` request for these agent runtimes returns a `ValidationException`.

Agent runtimes created before the rollout are not affected and continue to operate with the service-managed Amazon S3 gateway. To enforce full VPC network isolation on these existing agent runtimes, set this field to `false` via the `UpdateAgentRuntime` API. Before opting out, ensure your VPC provides the Amazon S3 access required for agent startup. If this field is not specified or is set to `true`, the service-managed Amazon S3 gateway remains provisioned.

This field is only supported in the `UpdateAgentRuntime` API for pre-rollout agent runtimes. Passing this field in a `CreateAgentRuntime` request returns a `ValidationException`.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VpcConfiguration

The VPC configuration for launching Amazon EC2 instances.

Contents

securityGroups

The IDs of the security groups to associate with the instances. You must specify at least one security group.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 16 items.

Pattern: `sg-[0-9a-zA-Z]{8,17}`

Required: Yes

subnets

The IDs of the subnets in which to launch instances. You must specify at least one subnet.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 16 items.

Pattern: `subnet-[0-9a-zA-Z]{8,17}`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WafConfiguration

The Amazon WAF configuration for the gateway. This configuration controls how the gateway behaves when the associated web ACL cannot be evaluated.

Contents

failureMode

The failure mode that determines how the gateway handles requests when Amazon WAF is unreachable or times out. Valid values include:

- `FAIL_CLOSE` - The gateway blocks requests when Amazon WAF cannot be evaluated.
- `FAIL_OPEN` - The gateway allows requests when Amazon WAF cannot be evaluated.

Type: String

Valid Values: `FAIL_CLOSE | FAIL_OPEN`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WeightedOverride

A weighted configuration bundle override that splits traffic between multiple bundle versions.

Contents

trafficSplit

The traffic split entries defining how traffic is distributed between configuration bundle versions.

Type: Array of TrafficSplitEntry objects

Array Members: Fixed number of 2 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WeightedRoute

A weighted route that splits traffic between multiple gateway targets.

Contents

trafficSplit

The traffic split entries defining how traffic is distributed between targets.

Type: Array of TargetTrafficSplitEntry objects

Array Members: Fixed number of 2 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WorkloadIdentityDetails

The information about the workload identity.

Contents

workloadIdentityArn

The ARN associated with the workload identity.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WorkloadIdentityType

Contains information about a workload identity.

Contents

name

The name of the workload identity.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 255.

Pattern: `[A-Za-z0-9_.-]+`

Required: Yes

workloadIdentityArn

The Amazon Resource Name (ARN) of the workload identity.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see Signing Amazon API requests in the *IAM User Guide*.

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key*/*YYYYMMDD*/*region*/*service*/aws4_request.

For more information, see Create a signed Amazon API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see Elements of an Amazon API request signature in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to Amazon Security Token Service (Amazon STS). For a list of services that support temporary security credentials from Amazon STS, see Amazon Web Services services that work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from Amazon STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see Create a signed Amazon API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Error Types

This section lists common error types that this Amazon service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to Amazon standards. Verify that you're using valid Amazon credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact Amazon Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your Amazon account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The Amazon SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or Amazon access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400