

# Timestream for InfluxDB



# Timestream for InfluxDB: API Reference

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# Welcome

Amazon Timestream for InfluxDB is a managed time-series database engine that makes it easy for application developers and DevOps teams to run InfluxDB databases on Amazon for near real-time time-series applications using open-source APIs. With Amazon Timestream for InfluxDB, it is easy to set up, operate, and scale time-series workloads that can answer queries with single-digit millisecond query response time.

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# Actions

The following actions are supported:

- [CreateDbCluster](#)
- [CreateDbInstance](#)
- [CreateDbParameterGroup](#)
- [DeleteDbCluster](#)
- [DeleteDbInstance](#)
- [GetDbCluster](#)
- [GetDbInstance](#)
- [GetDbParameterGroup](#)
- [ListDbClusters](#)
- [ListDbInstances](#)
- [ListDbInstancesForCluster](#)
- [ListDbParameterGroups](#)
- [ListTagsForResource](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateDbCluster](#)
- [UpdateDbInstance](#)

# CreateDbCluster

Creates a new Timestream for InfluxDB cluster.

## Request Syntax

```
{  
    "allocatedStorage": number,  
    "bucket": "string",  
    "dbInstanceType": "string",  
    "dbParameterGroupIdentifier": "string",  
    "dbStorageType": "string",  
    "deploymentType": "string",  
    "failoverMode": "string",  
    "logDeliveryConfiguration": {  
        "s3Configuration": {  
            "bucketName": "string",  
            "enabled": boolean  
        }  
    },  
    "name": "string",  
    "networkType": "string",  
    "organization": "string",  
    "password": "string",  
    "port": number,  
    "publiclyAccessible": boolean,  
    "tags": {  
        "string": "string"  
    },  
    "username": "string",  
    "vpcSecurityGroupIds": [ "string " ],  
    "vpcSubnetIds": [ "string " ]  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### allocatedStorage

The amount of storage to allocate for your DB storage type in GiB (gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

Required: Yes

### bucket

The name of the initial InfluxDB bucket. All InfluxDB data is stored in a bucket. A bucket combines the concept of a database and a retention period (the duration of time that each data point persists). A bucket belongs to an organization.

Type: String

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

Pattern: [^\_"][^"]\*

Required: No

### dbInstanceType

The Timestream for InfluxDB DB instance type to run InfluxDB on.

Type: String

Valid Values: db.influx.medium | db.influx.large | db.influx.xlarge  
| db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge |  
db.influx.12xlarge | db.influx.16xlarge

Required: Yes

### dbParameterGroupIdentifier

The ID of the DB parameter group to assign to your DB cluster. DB parameter groups specify how the database is configured. For example, DB parameter groups can specify the limit for query concurrency.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: No

## [dbStorageType](#)

The Timestream for InfluxDB DB storage type to read and write InfluxDB data.

You can choose between three different types of provisioned Influx IOPS Included storage according to your workload requirements:

- Influx I/O Included 3000 IOPS
- Influx I/O Included 12000 IOPS
- Influx I/O Included 16000 IOPS

Type: String

Valid Values: InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3

Required: No

## [deploymentType](#)

Specifies the type of cluster to create.

Type: String

Valid Values: MULTI\_NODE\_READ\_REPLICAS

Required: Yes

## [failoverMode](#)

Specifies the behavior of failure recovery when the primary node of the cluster fails.

Type: String

Valid Values: AUTOMATIC | NO\_FAILOVER

Required: No

## [logDeliveryConfiguration](#)

Configuration for sending InfluxDB engine logs to a specified S3 bucket.

Type: [LogDeliveryConfiguration](#) object

Required: No

## [name](#)

The name that uniquely identifies the DB cluster when interacting with the Amazon Timestream for InfluxDB API and CLI commands. This name will also be a prefix included in the endpoint. DB cluster names must be unique per customer and per region.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: [a-zA-Z][a-zA-Z0-9]\*(-[a-zA-Z0-9]+)\*

Required: Yes

## [networkType](#)

Specifies whether the network type of the Timestream for InfluxDB cluster is IPv4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: IPV4 | DUAL

Required: No

## [organization](#)

The name of the initial organization for the initial admin user in InfluxDB. An InfluxDB organization is a workspace for a group of users.

Type: String

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

Required: No

## [password](#)

The password of the initial admin user created in InfluxDB. This password will allow you to access the InfluxDB UI to perform various administrative tasks and also use the InfluxDB CLI to create an operator token. These attributes will be stored in a secret created in Amazon Secrets Manager in your account.

Type: String

Length Constraints: Minimum length of 8. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: Yes

### port

The port number on which InfluxDB accepts connections.

Valid Values: 1024-65535

Default: 8086

Constraints: The value can't be 2375-2376, 7788-7799, 8090, or 51678-51680

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

Required: No

### publiclyAccessible

Configures the Timestream for InfluxDB cluster with a public IP to facilitate access from outside the VPC.

Type: Boolean

Required: No

### tags

A list of key-value pairs to associate with the DB instance.

Type: String to string map

Map Entries: Maximum number of 200 items.

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

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

Required: No

### username

The username of the initial admin user created in InfluxDB. Must start with a letter and can't end with a hyphen or contain two consecutive hyphens. For example, my-user1. This username will allow you to access the InfluxDB UI to perform various administrative tasks and also use the InfluxDB CLI to create an operator token. These attributes will be stored in a secret created in Amazon Secrets Manager in your account.

Type: String

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

Required: No

### vpcSecurityGroupIds

A list of VPC security group IDs to associate with the Timestream for InfluxDB cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: sg-[a-zA-Z0-9]+

Required: Yes

### vpcSubnetIds

A list of VPC subnet IDs to associate with the DB cluster. Provide at least two VPC subnet IDs in different Availability Zones when deploying with a Multi-AZ standby.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: subnet-[a-zA-Z0-9]+

Required: Yes

## Response Syntax

```
{  
  "dbClusterId": "string",  
  "dbClusterStatus": "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.

### dbClusterId

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

### dbClusterStatus

The status of the DB cluster.

Type: String

Valid Values: CREATING | UPDATING | DELETING | AVAILABLE | FAILED | DELETED

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

The request conflicts with an existing resource in Timestream for InfluxDB.

HTTP Status Code: 400

### **InternalServerException**

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource was not found or does not exist.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

The request exceeds the service quota.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

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](#)
- [Amazon SDK for .NET](#)
- [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](#)
- [Amazon SDK for Ruby V3](#)

# CreateDbInstance

Creates a new Timestream for InfluxDB DB instance.

## Request Syntax

```
{  
    "allocatedStorage": number,  
    "bucket": "string",  
    "dbInstanceType": "string",  
    "dbParameterGroupIdentifier": "string",  
    "dbStorageType": "string",  
    "deploymentType": "string",  
    "logDeliveryConfiguration": {  
        "s3Configuration": {  
            "bucketName": "string",  
            "enabled": boolean  
        }  
    },  
    "name": "string",  
    "networkType": "string",  
    "organization": "string",  
    "password": "string",  
    "port": number,  
    "publiclyAccessible": boolean,  
    "tags": {  
        "string": "string"  
    },  
    "username": "string",  
    "vpcSecurityGroupIds": [ "string" ],  
    "vpcSubnetIds": [ "string" ]  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### allocatedStorage

The amount of storage to allocate for your DB storage type in GiB (gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

Required: Yes

### bucket

The name of the initial InfluxDB bucket. All InfluxDB data is stored in a bucket. A bucket combines the concept of a database and a retention period (the duration of time that each data point persists). A bucket belongs to an organization.

Type: String

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

Pattern: [^\_"][^"]\*

Required: No

### dbInstanceType

The Timestream for InfluxDB DB instance type to run InfluxDB on.

Type: String

Valid Values: db.influx.medium | db.influx.large | db.influx.xlarge  
| db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge |  
db.influx.12xlarge | db.influx.16xlarge

Required: Yes

### dbParameterGroupIdentifier

The id of the DB parameter group to assign to your DB instance. DB parameter groups specify how the database is configured. For example, DB parameter groups can specify the limit for query concurrency.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: No

## [dbStorageType](#)

The Timestream for InfluxDB DB storage type to read and write InfluxDB data.

You can choose between 3 different types of provisioned Influx IOPS included storage according to your workloads requirements:

- Influx IO Included 3000 IOPS
- Influx IO Included 12000 IOPS
- Influx IO Included 16000 IOPS

Type: String

Valid Values: InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3

Required: No

## [deploymentType](#)

Specifies whether the DB instance will be deployed as a standalone instance or with a Multi-AZ standby for high availability.

Type: String

Valid Values: SINGLE\_AZ | WITH\_MULTIAZ\_STANDBY

Required: No

## [logDeliveryConfiguration](#)

Configuration for sending InfluxDB engine logs to a specified S3 bucket.

Type: [LogDeliveryConfiguration](#) object

Required: No

## [name](#)

The name that uniquely identifies the DB instance when interacting with the Amazon Timestream for InfluxDB API and CLI commands. This name will also be a prefix included in the endpoint. DB instance names must be unique per customer and per region.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: [a-zA-Z][a-zA-Z0-9]\*(-[a-zA-Z0-9]+)\*

Required: Yes

### [networkType](#)

Specifies whether the networkType of the Timestream for InfluxDB instance is IPV4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: IPV4 | DUAL

Required: No

### [organization](#)

The name of the initial organization for the initial admin user in InfluxDB. An InfluxDB organization is a workspace for a group of users.

Type: String

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

Required: No

### [password](#)

The password of the initial admin user created in InfluxDB. This password will allow you to access the InfluxDB UI to perform various administrative tasks and also use the InfluxDB CLI to create an operator token. These attributes will be stored in a Secret created in Amazon Secrets Manager in your account.

Type: String

Length Constraints: Minimum length of 8. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: Yes

## port

The port number on which InfluxDB accepts connections.

Valid Values: 1024-65535

Default: 8086

Constraints: The value can't be 2375-2376, 7788-7799, 8090, or 51678-51680

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

Required: No

## publiclyAccessible

Configures the DB instance with a public IP to facilitate access.

Type: Boolean

Required: No

## tags

A list of key-value pairs to associate with the DB instance.

Type: String to string map

Map Entries: Maximum number of 200 items.

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

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

Required: No

## username

The username of the initial admin user created in InfluxDB. Must start with a letter and can't end with a hyphen or contain two consecutive hyphens. For example, my-user1. This username will allow you to access the InfluxDB UI to perform various administrative tasks and also use the InfluxDB CLI to create an operator token. These attributes will be stored in a Secret created in Amazon Secrets Manager in your account.

Type: String

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

Required: No

### vpcSecurityGroupIds

A list of VPC security group IDs to associate with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: sg-[a-zA-Z0-9]+

Required: Yes

### vpcSubnetIds

A list of VPC subnet IDs to associate with the DB instance. Provide at least two VPC subnet IDs in different availability zones when deploying with a Multi-AZ standby.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: subnet-[a-zA-Z0-9]+

Required: Yes

## Response Syntax

```
{  
  "allocatedStorage": number,  
  "arn": "string",  
  "availabilityZone": "string",  
  "dbClusterId": "string",  
  "dBInstanceType": "string",
```

```
"dbParameterGroupIdentifier": "string",
"dbStorageType": "string",
"deploymentType": "string",
"endpoint": "string",
"id": "string",
"influxAuthParametersSecretArn": "string",
"instanceMode": "string",
"logDeliveryConfiguration": {
    "s3Configuration": {
        "bucketName": "string",
        "enabled": boolean
    }
},
"name": "string",
"networkType": "string",
"port": number,
"publiclyAccessible": boolean,
"secondaryAvailabilityZone": "string",
"status": "string",
"vpcSecurityGroupIds": [ "string" ],
"vpcSubnetIds": [ "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.

### allocatedStorage

The amount of storage allocated for your DB storage type (in gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

### arn

The Amazon Resource Name (ARN) of the DB instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws[a-z\-\-]*:timestream\~-influxdb:[a-z0-9\-\-]+:[0-9]{12}:(db\~-instance|db\~-cluster|db\~-parameter\~-group)/[a-zA-Z0-9]{3,64}`

## [availabilityZone](#)

The Availability Zone in which the DB instance resides.

Type: String

## [dbClusterId](#)

Specifies the DbCluster to which this DbInstance belongs to.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: `[a-zA-Z0-9]{3,64}`

## [dbInstanceType](#)

The Timestream for InfluxDB instance type that InfluxDB runs on.

Type: String

Valid Values: `db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge`

## [dbParameterGroupIdentifier](#)

The id of the DB parameter group assigned to your DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: `[a-zA-Z0-9]{3,64}`

## [dbStorageType](#)

The Timestream for InfluxDB DB storage type that InfluxDB stores data on.

Type: String

Valid Values: `InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3`

## [deploymentType](#)

Specifies whether the Timestream for InfluxDB is deployed as Single-AZ or with a MultiAZ Standby for High availability.

Type: String

Valid Values: SINGLE\_AZ | WITH\_MULTIAZ\_STANDBY

## [endpoint](#)

The endpoint used to connect to InfluxDB. The default InfluxDB port is 8086.

Type: String

## [id](#)

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

## [influxAuthParametersSecretArn](#)

The Amazon Resource Name (ARN) of the Amazon Secrets Manager secret containing the initial InfluxDB authorization parameters. The secret value is a JSON formatted key-value pair holding InfluxDB authorization values: organization, bucket, username, and password.

Type: String

## [instanceMode](#)

Specifies the DbInstance's role in the cluster.

Type: String

Valid Values: PRIMARY | STANDBY | REPLICA

## [logDeliveryConfiguration](#)

Configuration for sending InfluxDB engine logs to send to specified S3 bucket.

Type: [LogDeliveryConfiguration](#) object

## [name](#)

The customer-supplied name that uniquely identifies the DB instance when interacting with the Amazon Timestream for InfluxDB API and CLI commands.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: [a-zA-Z][a-zA-Z0-9]\*(-[a-zA-Z0-9]+)\*

## [networkType](#)

Specifies whether the networkType of the Timestream for InfluxDB instance is IPV4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: IPV4 | DUAL

## [port](#)

The port number on which InfluxDB accepts connections. The default value is 8086.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

## [publiclyAccessible](#)

Indicates if the DB instance has a public IP to facilitate access.

Type: Boolean

## [secondaryAvailabilityZone](#)

The Availability Zone in which the standby instance is located when deploying with a MultiAZ standby instance.

Type: String

## [status](#)

The status of the DB instance.

Type: String

Valid Values: CREATING | AVAILABLE | DELETING | MODIFYING | UPDATING |  
DELETED | FAILED | UPDATING\_DEPLOYMENT\_TYPE | UPDATING\_INSTANCE\_TYPE

### vpcSecurityGroupIds

A list of VPC security group IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: sg-[a-zA-Z0-9]+

### vpcSubnetIds

A list of VPC subnet IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: subnet-[a-zA-Z0-9]+

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

The request conflicts with an existing resource in Timestream for InfluxDB.

HTTP Status Code: 400

## **InternalServerException**

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

## **ResourceNotFoundException**

The requested resource was not found or does not exist.

HTTP Status Code: 400

## **ServiceQuotaExceededException**

The request exceeds the service quota.

HTTP Status Code: 400

## **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

## **ValidationException**

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

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](#)
- [Amazon SDK for .NET](#)
- [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](#)
- [Amazon SDK for Ruby V3](#)

# CreateDbParameterGroup

Creates a new Timestream for InfluxDB DB parameter group to associate with DB instances.

## Request Syntax

```
{  
  "description": "string",  
  "name": "string",  
  "parameters": { ... },  
  "tags": {  
    "string" : "string"  
  }  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### description

A description of the DB parameter group.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### name

The name of the DB parameter group. The name must be unique per customer and per region.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z][a-zA-Z0-9]\*(-[a-zA-Z0-9]+)\*

Required: Yes

## parameters

A list of the parameters that comprise the DB parameter group.

Type: [Parameters](#) object

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

Required: No

## tags

A list of key-value pairs to associate with the DB parameter group.

Type: String to string map

Map Entries: Maximum number of 200 items.

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

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

Required: No

## Response Syntax

```
{  
  "arn": "string",  
  "description": "string",  
  "id": "string",  
  "name": "string",  
  "parameters": { ... }  
}
```

## 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.

### arn

The Amazon Resource Name (ARN) of the DB parameter group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: arn:aws[a-zA-Z-]\*:timestream-influxdb:[a-zA-Z0-9-]+:[0-9]{12}:(db\instance|db\cluster|db\parameter\group)/[a-zA-Z0-9]{3,64}

### [description](#)

The description of the DB parameter group.

Type: String

### [id](#)

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

### [name](#)

The customer-supplied name that uniquely identifies the DB parameter group when interacting with the Amazon Timestream for InfluxDB API and CLI commands.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z][a-zA-Z0-9]\*(-[a-zA-Z0-9]+)\*

### [parameters](#)

A list of the parameters that comprise the DB parameter group.

Type: [Parameters](#) 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 Errors](#).

## AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

## ConflictException

The request conflicts with an existing resource in Timestream for InfluxDB.

HTTP Status Code: 400

## InternalServerException

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource was not found or does not exist.

HTTP Status Code: 400

## ServiceQuotaExceededException

The request exceeds the service quota.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

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](#)
- [Amazon SDK for .NET](#)
- [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](#)
- [Amazon SDK for Ruby V3](#)

# DeleteDbCluster

Deletes a Timestream for InfluxDB cluster.

## Request Syntax

```
{  
    "dbClusterId": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### dbClusterId

Service-generated unique identifier of the DB cluster.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: Yes

## Response Syntax

```
{  
    "dbClusterStatus": "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.

## **dbClusterStatus**

The status of the DB cluster.

Type: String

Valid Values: CREATING | UPDATING | DELETING | AVAILABLE | FAILED | DELETED

## **Errors**

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

The request conflicts with an existing resource in Timestream for InfluxDB.

HTTP Status Code: 400

### **InternalServerError**

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource was not found or does not exist.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

## 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](#)
- [Amazon SDK for .NET](#)
- [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](#)
- [Amazon SDK for Ruby V3](#)

# DeleteDbInstance

Deletes a Timestream for InfluxDB DB instance.

## Request Syntax

```
{  
  "identifier": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### identifier

The id of the DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: Yes

## Response Syntax

```
{  
  "allocatedStorage": number,  
  "arn": string,  
  "availabilityZone": string,  
  "dbClusterId": string,  
  "dbInstanceType": string,  
  "dbParameterGroupIdentifier": string,  
  "dbStorageType": string,  
  "deploymentType": string,  
  "endpoint": string,  
  "engine": string,  
  "engineVersion": string,  
  "instanceClass": string,  
  "kmsKeyArn": string,  
  "lifecycleProcessor": string,  
  "masterUsername": string,  
  "maxAllocatedStorage": number,  
  "maxCapacity": number,  
  "maxPerformance": number,  
  "maxStorage": number,  
  "multiAZ": boolean,  
  "networkType": string,  
  "optionGroupName": string,  
  "preferredMaintenanceWindow": string,  
  "publiclyAccessible": boolean,  
  "region": string,  
  "storageType": string,  
  "status": string,  
  "storageEncrypted": boolean,  
  "tags": [tag],  
  "vpcSecurityGroupIds": [string]}
```

```
"id": "string",
"influxAuthParametersSecretArn": "string",
"instanceMode": "string",
"logDeliveryConfiguration": {
    "s3Configuration": {
        "bucketName": "string",
        "enabled": boolean
    }
},
"name": "string",
"networkType": "string",
"port": number,
"publiclyAccessible": boolean,
"secondaryAvailabilityZone": "string",
"status": "string",
"vpcSecurityGroupIds": [ "string" ],
"vpcSubnetIds": [ "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.

### allocatedStorage

The amount of storage allocated for your DB storage type (in gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

### arn

The Amazon Resource Name (ARN) of the DB instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: arn:aws[a-z\-\]\*:timestream\-\influxdb:[a-z0-9\-\-]+:[0-9]{12}:(db\-\-instance|db\-\-cluster|db\-\-parameter\-\-group)/[a-zA-Z0-9]{3,64}

## availabilityZone

The Availability Zone in which the DB instance resides.

Type: String

## dbClusterId

Specifies the DbCluster to which this DbInstance belongs to.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

## dbInstanceType

The Timestream for InfluxDB instance type that InfluxDB runs on.

Type: String

Valid Values: db.influx.medium | db.influx.large | db.influx.xlarge  
| db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge |  
db.influx.12xlarge | db.influx.16xlarge

## dbParameterGroupIdentifier

The id of the DB parameter group assigned to your DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

## dbStorageType

The Timestream for InfluxDB DB storage type that InfluxDB stores data on.

Type: String

Valid Values: InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3

## deploymentType

Specifies whether the Timestream for InfluxDB is deployed as Single-AZ or with a MultiAZ Standby for High availability.

Type: String

Valid Values: SINGLE\_AZ | WITH\_MULTIAZ\_STANDBY

### endpoint

The endpoint used to connect to InfluxDB. The default InfluxDB port is 8086.

Type: String

### id

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

### influxAuthParametersSecretArn

The Amazon Resource Name (ARN) of the Amazon Secrets Manager secret containing the initial InfluxDB authorization parameters. The secret value is a JSON formatted key-value pair holding InfluxDB authorization values: organization, bucket, username, and password.

Type: String

### instanceMode

Specifies the DbInstance's role in the cluster.

Type: String

Valid Values: PRIMARY | STANDBY | REPLICA

### logDeliveryConfiguration

Configuration for sending InfluxDB engine logs to send to specified S3 bucket.

Type: [LogDeliveryConfiguration](#) object

### name

The customer-supplied name that uniquely identifies the DB instance when interacting with the Amazon Timestream for InfluxDB API and CLI commands.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: [a-zA-Z][a-zA-Z0-9]\*(-[a-zA-Z0-9]+)\*

### [networkType](#)

Specifies whether the networkType of the Timestream for InfluxDB instance is IPV4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: IPV4 | DUAL

### [port](#)

The port number on which InfluxDB accepts connections.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

### [publiclyAccessible](#)

Indicates if the DB instance has a public IP to facilitate access.

Type: Boolean

### [secondaryAvailabilityZone](#)

The Availability Zone in which the standby instance is located when deploying with a MultiAZ standby instance.

Type: String

### [status](#)

The status of the DB instance.

Type: String

Valid Values: CREATING | AVAILABLE | DELETING | MODIFYING | UPDATING | DELETED | FAILED | UPDATING\_DEPLOYMENT\_TYPE | UPDATING\_INSTANCE\_TYPE

## vpcSecurityGroupIds

A list of VPC security group IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: sg-[a-zA-Z0-9]+

## vpcSubnetIds

A list of VPC subnet IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: subnet-[a-zA-Z0-9]+

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

The request conflicts with an existing resource in Timestream for InfluxDB.

HTTP Status Code: 400

### **InternalServerException**

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource was not found or does not exist.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

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](#)
- [Amazon SDK for .NET](#)
- [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](#)
- [Amazon SDK for Ruby V3](#)

# GetDbCluster

Retrieves information about a Timestream for InfluxDB cluster.

## Request Syntax

```
{  
  "dbClusterId": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### dbClusterId

Service-generated unique identifier of the DB cluster to retrieve.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: Yes

## Response Syntax

```
{  
  "allocatedStorage": number,  
  "arn": "string",  
  "dbInstanceType": "string",  
  "dbParameterGroupIdentifier": "string",  
  "dbStorageType": "string",  
  "deploymentType": "string",  
  "endpoint": "string",  
  "failoverMode": "string",  
  "id": "string",  
  "influxAuthParametersSecretArn": "string",
```

```
"logDeliveryConfiguration    "s3Configuration        "bucketName        "enabled    }  
,  
    "name    "networkType    "port    "publiclyAccessible    "readerEndpoint    "status    "vpcSecurityGroupIds    "vpcSubnetIds}  
}
```

## 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.

### allocatedStorage

The amount of storage allocated for your DB storage type (in gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

### arn

The Amazon Resource Name (ARN) of the DB cluster.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: arn:aws[a-z\-]\*:timestream\-\-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\-\-instance|db\-\-cluster|db\-\-parameter\-\-group)/[a-zA-Z0-9]{3,64}

### dbInstanceType

The Timestream for InfluxDB instance type that InfluxDB runs on.

Type: String

Valid Values: db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge

### [dbParameterGroupIdentifier](#)

The ID of the DB parameter group assigned to your DB cluster.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

### [dbStorageType](#)

The Timestream for InfluxDB DB storage type that InfluxDB stores data on.

Type: String

Valid Values: InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3

### [deploymentType](#)

Deployment type of the DB cluster.

Type: String

Valid Values: MULTI\_NODE\_READ\_REPLICAS

### [endpoint](#)

The endpoint used to connect to the Timestream for InfluxDB cluster for write and read operations.

Type: String

### [failoverMode](#)

The configured failover mode for the DB cluster.

Type: String

Valid Values: AUTOMATIC | NO\_FAILOVER

## id

Service-generated unique identifier of the DB cluster to retrieve.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

## influxAuthParametersSecretArn

The Amazon Resource Name (ARN) of the Amazon Secrets Manager secret containing the initial InfluxDB authorization parameters. The secret value is a JSON formatted key-value pair holding InfluxDB authorization values: organization, bucket, username, and password.

Type: String

## logDeliveryConfiguration

Configuration for sending InfluxDB engine logs to send to specified S3 bucket.

Type: [LogDeliveryConfiguration](#) object

## name

Customer-supplied name of the Timestream for InfluxDB cluster.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: [a-zA-Z][a-zA-Z0-9]\*(-[a-zA-Z0-9]+)\*

## networkType

Specifies whether the network type of the Timestream for InfluxDB cluster is IPv4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: IPV4 | DUAL

## port

The port number on which InfluxDB accepts connections.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

### [publiclyAccessible](#)

Indicates if the DB cluster has a public IP to facilitate access from outside the VPC.

Type: Boolean

### [readerEndpoint](#)

The endpoint used to connect to the Timestream for InfluxDB cluster for read-only operations.

Type: String

### [status](#)

The status of the DB cluster.

Type: String

Valid Values: CREATING | UPDATING | DELETING | AVAILABLE | FAILED | DELETED

### [vpcSecurityGroupIds](#)

A list of VPC security group IDs associated with the DB cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: sg-[a-zA-Z0-9]+

### [vpcSubnetIds](#)

A list of VPC subnet IDs associated with the DB cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: subnet-[a-zA-Z0-9]+

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### InternalServerException

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource was not found or does not exist.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

### ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

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](#)
- [Amazon SDK for .NET](#)
- [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](#)
- [Amazon SDK for Ruby V3](#)

# GetDbInstance

Returns a Timestream for InfluxDB DB instance.

## Request Syntax

```
{  
  "identifier": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### identifier

The id of the DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: Yes

## Response Syntax

```
{  
  "allocatedStorage": number,  
  "arn": string,  
  "availabilityZone": string,  
  "dbClusterId": string,  
  "dbInstanceType": string,  
  "dbParameterGroupIdentifier": string,  
  "dbStorageType": string,  
  "deploymentType": string,  
  "endpoint": string,  
  "engine": string,  
  "engineVersion": string,  
  "instanceClass": string,  
  "kmsKeyArn": string,  
  "lifecycleProcessor": string,  
  "masterUsername": string,  
  "maxAllocatedStorage": number,  
  "maxCapacity": number,  
  "maxPerformance": number,  
  "maxStorage": number,  
  "multiAZ": boolean,  
  "networkType": string,  
  "optionGroupName": string,  
  "preferredMaintenanceWindow": string,  
  "publiclyAccessible": boolean,  
  "region": string,  
  "storageType": string,  
  "status": string,  
  "storageEncrypted": boolean,  
  "tags": [tag],  
  "vpcSecurityGroupIds": [string]}
```

```
"id": "string",
"influxAuthParametersSecretArn": "string",
"instanceMode": "string",
"logDeliveryConfiguration": {
    "s3Configuration": {
        "bucketName": "string",
        "enabled": boolean
    }
},
"name": "string",
"networkType": "string",
"port": number,
"publiclyAccessible": boolean,
"secondaryAvailabilityZone": "string",
"status": "string",
"vpcSecurityGroupIds": [ "string" ],
"vpcSubnetIds": [ "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.

### allocatedStorage

The amount of storage allocated for your DB storage type (in gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

### arn

The Amazon Resource Name (ARN) of the DB instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: arn:aws[a-z\-\]\*:timestream\-\influxdb:[a-z0-9\-\-]+:[0-9]{12}:(db\-\-instance|db\-\-cluster|db\-\-parameter\-\-group)/[a-zA-Z0-9]{3,64}

## [availabilityZone](#)

The Availability Zone in which the DB instance resides.

Type: String

## [dbClusterId](#)

Specifies the DbCluster to which this DbInstance belongs to.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

## [dbInstanceType](#)

The Timestream for InfluxDB instance type that InfluxDB runs on.

Type: String

Valid Values: db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge

## [dbParameterGroupIdentifier](#)

The id of the DB parameter group assigned to your DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

## [dbStorageType](#)

The Timestream for InfluxDB DB storage type that InfluxDB stores data on.

Type: String

Valid Values: InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3

## [deploymentType](#)

Specifies whether the Timestream for InfluxDB is deployed as Single-AZ or with a MultiAZ Standby for High availability.

Type: String

Valid Values: SINGLE\_AZ | WITH\_MULTIAZ\_STANDBY

### endpoint

The endpoint used to connect to InfluxDB. The default InfluxDB port is 8086.

Type: String

### id

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

### influxAuthParametersSecretArn

The Amazon Resource Name (ARN) of the Amazon Secrets Manager secret containing the initial InfluxDB authorization parameters. The secret value is a JSON formatted key-value pair holding InfluxDB authorization values: organization, bucket, username, and password.

Type: String

### instanceMode

Specifies the DbInstance's role in the cluster.

Type: String

Valid Values: PRIMARY | STANDBY | REPLICA

### logDeliveryConfiguration

Configuration for sending InfluxDB engine logs to send to specified S3 bucket.

Type: [LogDeliveryConfiguration](#) object

### name

The customer-supplied name that uniquely identifies the DB instance when interacting with the Amazon Timestream for InfluxDB API and CLI commands.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: [a-zA-Z][a-zA-Z0-9]\*(-[a-zA-Z0-9]+)\*

### [networkType](#)

Specifies whether the networkType of the Timestream for InfluxDB instance is IPV4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: IPV4 | DUAL

### [port](#)

The port number on which InfluxDB accepts connections.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

### [publiclyAccessible](#)

Indicates if the DB instance has a public IP to facilitate access.

Type: Boolean

### [secondaryAvailabilityZone](#)

The Availability Zone in which the standby instance is located when deploying with a MultiAZ standby instance.

Type: String

### [status](#)

The status of the DB instance.

Type: String

Valid Values: CREATING | AVAILABLE | DELETING | MODIFYING | UPDATING |  
DELETED | FAILED | UPDATING\_DEPLOYMENT\_TYPE | UPDATING\_INSTANCE\_TYPE

## vpcSecurityGroupIds

A list of VPC security group IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: sg-[a-zA-Z0-9]+

## vpcSubnetIds

A list of VPC subnet IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: subnet-[a-zA-Z0-9]+

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **InternalServerException**

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource was not found or does not exist.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

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](#)
- [Amazon SDK for .NET](#)
- [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](#)
- [Amazon SDK for Ruby V3](#)

# GetDbParameterGroup

Returns a Timestream for InfluxDB DB parameter group.

## Request Syntax

```
{  
  "identifier": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### identifier

The id of the DB parameter group.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: Yes

## Response Syntax

```
{  
  "arn": "string",  
  "description": "string",  
  "id": "string",  
  "name": "string",  
  "parameters": { ... }  
}
```

## 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.

### arn

The Amazon Resource Name (ARN) of the DB parameter group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws[a-zA-Z-]*:timestream-influxdb:[a-zA-Z0-9-]+:[0-9]{12}:(db-instance|db-cluster|db-parameter-group)/[a-zA-Z0-9]{3,64}`

### description

A description of the DB parameter group.

Type: String

### id

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

### name

The customer-supplied name that uniquely identifies the DB parameter group when interacting with the Amazon Timestream for InfluxDB API and CLI commands.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: `[a-zA-Z][a-zA-Z0-9]*(-[a-zA-Z0-9]+)*`

### parameters

The parameters that comprise the DB parameter group.

Type: [Parameters](#) 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 Errors](#).

### AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### InternalServerError

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource was not found or does not exist.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

### ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

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](#)
- [Amazon SDK for .NET](#)

- [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](#)
- [Amazon SDK for Ruby V3](#)

# ListDbClusters

Returns a list of Timestream for InfluxDB DB clusters.

## Request Syntax

```
{  
  "maxResults": number,  
  "nextToken": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### [maxResults](#)

The maximum number of items to return in the output. If the total number of items available is more than the value specified, a nextToken is provided in the output. To resume pagination, provide the nextToken value as an argument of a subsequent API invocation.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

### [nextToken](#)

The pagination token. To resume pagination, provide the nextToken value as an argument of a subsequent API invocation.

Type: String

Length Constraints: Minimum length of 1.

Required: No

## Response Syntax

```
{  
  "items": [  
    {  
      "allocatedStorage": number,  
      "arn": "string",  
      "dbInstanceType": "string",  
      "dbStorageType": "string",  
      "deploymentType": "string",  
      "endpoint": "string",  
      "id": "string",  
      "name": "string",  
      "networkType": "string",  
      "port": number,  
      "readerEndpoint": "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.

### items

A list of Timestream for InfluxDB cluster summaries.

Type: Array of [DbClusterSummary](#) objects

### nextToken

Token from a previous call of the operation. When this value is provided, the service returns results from where the previous response left off.

Type: String

Length Constraints: Minimum length of 1.

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### InternalServerException

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource was not found or does not exist.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

### ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

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](#)
- [Amazon SDK for .NET](#)
- [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](#)
- [Amazon SDK for Ruby V3](#)

# ListDbInstances

Returns a list of Timestream for InfluxDB DB instances.

## Request Syntax

```
{  
  "maxResults": number,  
  "nextToken": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### [maxResults](#)

The maximum number of items to return in the output. If the total number of items available is more than the value specified, a NextToken is provided in the output. To resume pagination, provide the NextToken value as argument of a subsequent API invocation.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

### [nextToken](#)

The pagination token. To resume pagination, provide the NextToken value as argument of a subsequent API invocation.

Type: String

Length Constraints: Minimum length of 1.

Required: No

## Response Syntax

```
{  
  "items    {  
      "allocatedStoragenumber,  
      "arnstring",  
      "dbInstanceTypestring",  
      "dbStorageTypestring",  
      "deploymentTypestring",  
      "endpointstring",  
      "idstring",  
      "namestring",  
      "networkTypestring",  
      "portnumber,  
      "statusstring"  
    }  
,  
  "nextTokenstring"  
}
```

## 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

A list of Timestream for InfluxDB DB instance summaries.

Type: Array of [DbInstanceSummary](#) objects

### nextToken

Token from a previous call of the operation. When this value is provided, the service returns results from where the previous response left off.

Type: String

Length Constraints: Minimum length of 1.

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### InternalServerException

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource was not found or does not exist.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

### ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

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](#)
- [Amazon SDK for .NET](#)
- [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](#)
- [Amazon SDK for Ruby V3](#)

# ListDbInstancesForCluster

Returns a list of Timestream for InfluxDB clusters.

## Request Syntax

```
{  
  "dbClusterId": "string",  
  "maxResults": number,  
  "nextToken": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### dbClusterId

Service-generated unique identifier of the DB cluster.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: Yes

### maxResults

The maximum number of items to return in the output. If the total number of items available is more than the value specified, a nextToken is provided in the output. To resume pagination, provide the nextToken value as an argument of a subsequent API invocation.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

## nextToken

The pagination token. To resume pagination, provide the nextToken value as an argument of a subsequent API invocation.

Type: String

Length Constraints: Minimum length of 1.

Required: No

## Response Syntax

```
{
  "items": [
    {
      "allocatedStorage": number,
      "arn": "string",
      "dbInstanceType": "string",
      "dbStorageType": "string",
      "deploymentType": "string",
      "endpoint": "string",
      "id": "string",
      "instanceMode": "string",
      "name": "string",
      "networkType": "string",
      "port": number,
      "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.

### items

A list of Timestream for InfluxDB instance summaries belonging to the cluster.

Type: Array of [DbInstanceForClusterSummary](#) objects

### nextToken

Token from a previous call of the operation. When this value is provided, the service returns results from where the previous response left off.

Type: String

Length Constraints: Minimum length of 1.

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **InternalServerError**

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource was not found or does not exist.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

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](#)
- [Amazon SDK for .NET](#)
- [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](#)
- [Amazon SDK for Ruby V3](#)

# ListDbParameterGroups

Returns a list of Timestream for InfluxDB DB parameter groups.

## Request Syntax

```
{  
  "maxResults": number,  
  "nextToken": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### maxResults

The maximum number of items to return in the output. If the total number of items available is more than the value specified, a NextToken is provided in the output. To resume pagination, provide the NextToken value as argument of a subsequent API invocation.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

### nextToken

The pagination token. To resume pagination, provide the NextToken value as argument of a subsequent API invocation.

Type: String

Length Constraints: Minimum length of 1.

Required: No

## Response Syntax

```
{  
  "items": [  
    {  
      "arn": "string",  
      "description": "string",  
      "id": "string",  
      "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.

### items

A list of Timestream for InfluxDB DB parameter group summaries.

Type: Array of [DbParameterGroupSummary](#) objects

### nextToken

Token from a previous call of the operation. When this value is provided, the service returns results from where the previous response left off.

Type: String

Length Constraints: Minimum length of 1.

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **InternalServerException**

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource was not found or does not exist.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

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](#)
- [Amazon SDK for .NET](#)
- [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](#)
- [Amazon SDK for Ruby V3](#)



# ListTagsForResource

A list of tags applied to the resource.

## Request Syntax

```
{  
    "resourceArn": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### resourceArn

The Amazon Resource Name (ARN) of the tagged resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: arn:aws[a-z\-]\*:timestream\~-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\~-instance|db\~-cluster|db\~-parameter\~-group)/[a-zA-Z0-9]{3,64}

Required: Yes

## Response Syntax

```
{  
    "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

A list of tags used to categorize and track resources.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

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

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **ResourceNotFoundException**

The requested resource was not found or does not exist.

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](#)
- [Amazon SDK for .NET](#)
- [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](#)

- [Amazon SDK for Ruby V3](#)

# TagResource

Tags are composed of a Key/Value pairs. You can use tags to categorize and track your Timestream for InfluxDB resources.

## Request Syntax

```
{  
    "resourceArn": "string",  
    "tags": {  
        "string" : "string"  
    }  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### resourceArn

The Amazon Resource Name (ARN) of the tagged resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: arn:aws[a-z\-\-]\*:timestream\-\-influxdb:[a-z0-9\-\-]+:[0-9]{12}:(db\-\-instance|db\-\-cluster|db\-\-parameter\-\-group)/[a-zA-Z0-9]{3,64}

Required: Yes

### tags

A list of tags used to categorize and track resources.

Type: String to string map

Map Entries: Maximum number of 200 items.

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

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

**Required:** Yes

## 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 Errors](#).

### **ResourceNotFoundException**

The requested resource was not found or does not exist.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

The request exceeds the service quota.

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](#)
- [Amazon SDK for .NET](#)
- [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](#)

- [Amazon SDK for Ruby V3](#)

# UntagResource

Removes the tag from the specified resource.

## Request Syntax

```
{  
  "resourceArn": "string",  
  "tagKeys": [ "string" ]  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### resourceArn

The Amazon Resource Name (ARN) of the tagged resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: arn:aws[a-z\-\-]\*:timestream\-\-influxdb:[a-z0-9\-\-]+:[0-9]{12}:(db\-\-instance|db\-\-cluster|db\-\-parameter\-\-group)/[a-zA-Z0-9]{3,64}

Required: Yes

### tagKeys

The keys used to identify the tags.

Type: Array of strings

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

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

Required: Yes

## 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 Errors](#).

### ResourceNotFoundException

The requested resource was not found or does not exist.

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](#)
- [Amazon SDK for .NET](#)
- [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](#)
- [Amazon SDK for Ruby V3](#)

# UpdateDbCluster

Updates a Timestream for InfluxDB cluster.

## Request Syntax

```
{  
    "dbClusterId": "string",  
    "dbInstanceType": "string",  
    "dbParameterGroupIdentifier": "string",  
    "failoverMode": "string",  
    "logDeliveryConfiguration": {  
        "s3Configuration": {  
            "bucketName": "string",  
            "enabled": boolean  
        }  
    },  
    "port": number  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### dbClusterId

Service-generated unique identifier of the DB cluster to update.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: Yes

### dbInstanceType

Update the DB cluster to use the specified DB instance Type.

Type: String

Valid Values: db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge

Required: No

### [dbParameterGroupIdentifier](#)

Update the DB cluster to use the specified DB parameter group.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: No

### [failoverMode](#)

Update the DB cluster's failover behavior.

Type: String

Valid Values: AUTOMATIC | NO\_FAILOVER

Required: No

### [logDeliveryConfiguration](#)

The log delivery configuration to apply to the DB cluster.

Type: [LogDeliveryConfiguration](#) object

Required: No

### [port](#)

Update the DB cluster to use the specified port.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

Required: No

## Response Syntax

```
{  
  "dbClusterStatus": "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.

### [dbClusterStatus](#)

The status of the DB cluster.

Type: String

Valid Values: CREATING | UPDATING | DELETING | AVAILABLE | FAILED | DELETED

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

The request conflicts with an existing resource in Timestream for InfluxDB.

HTTP Status Code: 400

### **InternalServerError**

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource was not found or does not exist.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

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](#)
- [Amazon SDK for .NET](#)
- [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](#)
- [Amazon SDK for Ruby V3](#)

# UpdateDbInstance

Updates a Timestream for InfluxDB DB instance.

## Request Syntax

```
{  
    "allocatedStorage": number,  
    "dbInstanceType": "string",  
    "dbParameterGroupIdentifier": "string",  
    "dbStorageType": "string",  
    "deploymentType": "string",  
    "identifier": "string",  
    "logDeliveryConfiguration": {  
        "s3Configuration": {  
            "bucketName": "string",  
            "enabled": boolean  
        }  
    },  
    "port": number  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### allocatedStorage

The amount of storage to allocate for your DB storage type (in gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

Required: No

### dbInstanceType

The Timestream for InfluxDB DB instance type to run InfluxDB on.

Type: String

Valid Values: db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge

Required: No

### [dbParameterGroupIdentifier](#)

The id of the DB parameter group to assign to your DB instance. DB parameter groups specify how the database is configured. For example, DB parameter groups can specify the limit for query concurrency.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: No

### [dbStorageType](#)

The Timestream for InfluxDB DB storage type that InfluxDB stores data on.

Type: String

Valid Values: InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3

Required: No

### [deploymentType](#)

Specifies whether the DB instance will be deployed as a standalone instance or with a Multi-AZ standby for high availability.

Type: String

Valid Values: SINGLE\_AZ | WITH\_MULTIAZ\_STANDBY

Required: No

### [identifier](#)

The id of the DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: Yes

### [logDeliveryConfiguration](#)

Configuration for sending InfluxDB engine logs to send to specified S3 bucket.

Type: [LogDeliveryConfiguration](#) object

Required: No

### [port](#)

The port number on which InfluxDB accepts connections.

If you change the Port value, your database restarts immediately.

Valid Values: 1024-65535

Default: 8086

Constraints: The value can't be 2375-2376, 7788-7799, 8090, or 51678-51680

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

Required: No

## Response Syntax

```
{  
  "allocatedStorage": number,  
  "arn": "string",  
  "availabilityZone": "string",  
  "dbClusterId": "string",  
  "dbInstanceType": "string",  
  "dbParameterGroupIdentifier": "string",
```

```
"dbStorageType": "string",
"deploymentType": "string",
"endpoint": "string",
"id": "string",
"influxAuthParametersSecretArn": "string",
"instanceMode": "string",
"logDeliveryConfiguration": {
    "s3Configuration": {
        "bucketName": "string",
        "enabled": boolean
    }
},
"name": "string",
"networkType": "string",
"port": number,
"publiclyAccessible": boolean,
"secondaryAvailabilityZone": "string",
"status": "string",
"vpcSecurityGroupIds": [ "string" ],
"vpcSubnetIds": [ "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.

### allocatedStorage

The amount of storage allocated for your DB storage type (in gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

### arn

The Amazon Resource Name (ARN) of the DB instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws[a-zA-Z-]*:timestream-influxdb:[a-zA-Z0-9-]+:[0-9]{12}:(db-instance|db-cluster|db-parameter-group)/[a-zA-Z0-9]{3,64}`

## [availabilityZone](#)

The Availability Zone in which the DB instance resides.

Type: String

## [dbClusterId](#)

Specifies the DbCluster to which this DbInstance belongs to.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: `[a-zA-Z0-9]{3,64}`

## [dbInstanceType](#)

The Timestream for InfluxDB instance type that InfluxDB runs on.

Type: String

Valid Values: `db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge`

## [dbParameterGroupIdentifier](#)

The id of the DB parameter group assigned to your DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: `[a-zA-Z0-9]{3,64}`

## [dbStorageType](#)

The Timestream for InfluxDB DB storage type that InfluxDB stores data on.

Type: String

Valid Values: `InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3`

## [deploymentType](#)

Specifies whether the Timestream for InfluxDB is deployed as Single-AZ or with a MultiAZ Standby for High availability.

Type: String

Valid Values: SINGLE\_AZ | WITH\_MULTIAZ\_STANDBY

## [endpoint](#)

The endpoint used to connect to InfluxDB. The default InfluxDB port is 8086.

Type: String

## [id](#)

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

## [influxAuthParametersSecretArn](#)

The Amazon Resource Name (ARN) of the Amazon Secrets Manager secret containing the initial InfluxDB authorization parameters. The secret value is a JSON formatted key-value pair holding InfluxDB authorization values: organization, bucket, username, and password.

Type: String

## [instanceMode](#)

Specifies the DbInstance's role in the cluster.

Type: String

Valid Values: PRIMARY | STANDBY | REPLICA

## [logDeliveryConfiguration](#)

Configuration for sending InfluxDB engine logs to send to specified S3 bucket.

Type: [LogDeliveryConfiguration](#) object

## [name](#)

This customer-supplied name uniquely identifies the DB instance when interacting with the Amazon Timestream for InfluxDB API and Amazon CLI commands.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: [a-zA-Z][a-zA-Z0-9]\*(-[a-zA-Z0-9]+)\*

## [networkType](#)

Specifies whether the networkType of the Timestream for InfluxDB instance is IPV4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: IPV4 | DUAL

## [port](#)

The port number on which InfluxDB accepts connections.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

## [publiclyAccessible](#)

Indicates if the DB instance has a public IP to facilitate access.

Type: Boolean

## [secondaryAvailabilityZone](#)

The Availability Zone in which the standby instance is located when deploying with a MultiAZ standby instance.

Type: String

## [status](#)

The status of the DB instance.

Type: String

Valid Values: CREATING | AVAILABLE | DELETING | MODIFYING | UPDATING |  
DELETED | FAILED | UPDATING\_DEPLOYMENT\_TYPE | UPDATING\_INSTANCE\_TYPE

### vpcSecurityGroupIds

A list of VPC security group IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: sg-[a-zA-Z0-9]+

### vpcSubnetIds

A list of VPC subnet IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: subnet-[a-zA-Z0-9]+

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

The request conflicts with an existing resource in Timestream for InfluxDB.

HTTP Status Code: 400

## InternalServerException

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource was not found or does not exist.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

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](#)
- [Amazon SDK for .NET](#)
- [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](#)
- [Amazon SDK for Ruby V3](#)

# Data Types

The Timestream InfluxDB 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:

- [DbClusterSummary](#)
- [DbInstanceForClusterSummary](#)
- [DbInstanceSummary](#)
- [DbParameterGroupSummary](#)
- [Duration](#)
- [InfluxDBv2Parameters](#)
- [LogDeliveryConfiguration](#)
- [Parameters](#)
- [S3Configuration](#)

# DbClusterSummary

Describes a summary of a Timestream for InfluxDB cluster.

## Contents

### arn

The Amazon Resource Name (ARN) of the DB cluster.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: arn:aws[a-zA-Z-]\*:timestream-influxdb:[a-zA-Z0-9-]+:[0-9]{12}:(db|-instance|db-cluster|db-parameter-group)/[a-zA-Z0-9]{3,64}

Required: Yes

### id

Service-generated unique identifier of the DB cluster to retrieve.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: Yes

### name

Customer supplied name of the Timestream for InfluxDB cluster.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: [a-zA-Z][a-zA-Z0-9]\*(-[a-zA-Z0-9]+)\*

Required: Yes

### allocatedStorage

The amount of storage allocated for your DB storage type (in gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

Required: No

### **dbInstanceType**

The Timestream for InfluxDB DB instance type that InfluxDB runs on.

Type: String

Valid Values: db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge

Required: No

### **dbStorageType**

The Timestream for InfluxDB DB storage type that InfluxDB stores data on.

Type: String

Valid Values: InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3

Required: No

### **deploymentType**

Deployment type of the DB cluster

Type: String

Valid Values: MULTI\_NODE\_READ\_REPLICAS

Required: No

### **endpoint**

The endpoint used to connect to the Timestream for InfluxDB cluster for write and read operations.

Type: String

Required: No

## networkType

Specifies whether the network type of the Timestream for InfluxDB Cluster is IPv4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: IPV4 | DUAL

Required: No

## port

The port number on which InfluxDB accepts connections.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

Required: No

## readerEndpoint

The endpoint used to connect to the Timestream for InfluxDB cluster for read-only operations.

Type: String

Required: No

## status

The status of the DB cluster.

Type: String

Valid Values: CREATING | UPDATING | DELETING | AVAILABLE | FAILED | DELETED

Required: No

## See Also

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

- [Amazon SDK for C++](#)
- [Amazon SDK for Java V2](#)
- [Amazon SDK for Ruby V3](#)

# DbInstanceForClusterSummary

Contains a summary of a DB instance belonging to a DB cluster.

## Contents

### arn

The Amazon Resource Name (ARN) of the DB instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: arn:aws[a-zA-Z-]\*:timestream-influxdb:[a-zA-Z0-9-]+:[0-9]{12}:(db-instance|db-cluster|db-parameter-group)/[a-zA-Z0-9]{3,64}

Required: Yes

### id

The service-generated unique identifier of the DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: Yes

### name

A service-generated name for the DB instance based on the customer-supplied name for the DB cluster.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: [a-zA-Z][a-zA-Z0-9]\*(-[a-zA-Z0-9]+)\*

Required: Yes

**allocatedStorage**

The amount of storage allocated for your DB storage type in GiB (gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

Required: No

**dbInstanceType**

The Timestream for InfluxDB instance type to run InfluxDB on.

Type: String

Valid Values: db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge

Required: No

**dbStorageType**

The storage type for your DB instance.

Type: String

Valid Values: InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3

Required: No

**deploymentType**

Specifies the deployment type if applicable.

Type: String

Valid Values: SINGLE\_AZ | WITH\_MULTIAZ\_STANDBY

Required: No

**endpoint**

The endpoint used to connect to InfluxDB. The default InfluxDB port is 8086.

Type: String

Required: No

### instanceMode

Specifies the DB instance's role in the cluster.

Type: String

Valid Values: PRIMARY | STANDBY | REPLICA

Required: No

### networkType

Specifies whether the network type of the Timestream for InfluxDB instance is IPv4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: IPV4 | DUAL

Required: No

### port

The port number on which InfluxDB accepts connections.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

Required: No

### status

The status of the DB instance.

Type: String

Valid Values: CREATING | AVAILABLE | DELETING | MODIFYING | UPDATING |  
DELETED | FAILED | UPDATING\_DEPLOYMENT\_TYPE | UPDATING\_INSTANCE\_TYPE

Required: No

## See Also

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

- [Amazon SDK for C++](#)
- [Amazon SDK for Java V2](#)
- [Amazon SDK for Ruby V3](#)

# DbInstanceSummary

Contains a summary of a DB instance.

## Contents

### arn

The Amazon Resource Name (ARN) of the DB instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: arn:aws[a-zA-Z-]\*:timestream-influxdb:[a-zA-Z0-9-]+:[0-9]{12}:(db-instance|db-cluster|db-parameter-group)/[a-zA-Z0-9]{3,64}

Required: Yes

### id

The service-generated unique identifier of the DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: Yes

### name

This customer-supplied name uniquely identifies the DB instance when interacting with the Amazon Timestream for InfluxDB API and Amazon CLI commands.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: [a-zA-Z][a-zA-Z0-9]\*(-[a-zA-Z0-9]+)\*

Required: Yes

**allocatedStorage**

The amount of storage to allocate for your DbStorageType in GiB (gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

Required: No

**dbInstanceType**

The Timestream for InfluxDB instance type to run InfluxDB on.

Type: String

Valid Values: db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge

Required: No

**dbStorageType**

The storage type for your DB instance.

Type: String

Valid Values: InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3

Required: No

**deploymentType**

Single-Instance or with a MultiAZ Standby for High availability.

Type: String

Valid Values: SINGLE\_AZ | WITH\_MULTIAZ\_STANDBY

Required: No

**endpoint**

The endpoint used to connect to InfluxDB. The default InfluxDB port is 8086.

Type: String

Required: No

### **networkType**

Specifies whether the networkType of the Timestream for InfluxDB instance is IPV4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: IPV4 | DUAL

Required: No

### **port**

The port number on which InfluxDB accepts connections.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

Required: No

### **status**

The status of the DB instance.

Type: String

Valid Values: CREATING | AVAILABLE | DELETING | MODIFYING | UPDATING |  
DELETED | FAILED | UPDATING\_DEPLOYMENT\_TYPE | UPDATING\_INSTANCE\_TYPE

Required: No

## **See Also**

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

- [Amazon SDK for C++](#)
- [Amazon SDK for Java V2](#)

- [Amazon SDK for Ruby V3](#)

# DbParameterGroupSummary

Contains a summary of a DB parameter group.

## Contents

### arn

The Amazon Resource Name (ARN) of the DB parameter group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: arn:aws[a-zA-Z-]\*:timestream-influxdb:[a-zA-Z0-9-]+:[0-9]{12}:(db-instance|db-cluster|db-parameter-group)/[a-zA-Z0-9]{3,64}

Required: Yes

### id

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z0-9]+

Required: Yes

### name

This customer-supplied name uniquely identifies the parameter group.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: [a-zA-Z][a-zA-Z0-9]\*(-[a-zA-Z0-9]+)\*

Required: Yes

### description

A description of the DB parameter group.

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](#)

# Duration

Duration for InfluxDB parameters in Timestream for InfluxDB.

## Contents

### **durationType**

The type of duration for InfluxDB parameters.

Type: String

Valid Values: hours | minutes | seconds | milliseconds

Required: Yes

### **value**

The value of duration for InfluxDB parameters.

Type: Long

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](#)

# InfluxDBv2Parameters

All the customer-modifiable InfluxDB v2 parameters in Timestream for InfluxDB.

## Contents

### **fluxLogEnabled**

Include option to show detailed logs for Flux queries.

Default: false

Type: Boolean

Required: No

### **httpIdleTimeout**

Maximum duration the server should keep established connections alive while waiting for new requests. Set to 0 for no timeout.

Default: 3 minutes

Type: [Duration](#) object

Required: No

### **httpReadHeaderTimeout**

Maximum duration the server should try to read HTTP headers for new requests. Set to 0 for no timeout.

Default: 10 seconds

Type: [Duration](#) object

Required: No

### **httpReadTimeout**

Maximum duration the server should try to read the entirety of new requests. Set to 0 for no timeout.

Default: 0

Type: [Duration](#) object

Required: No

### **httpWriteTimeout**

Maximum duration the server should spend processing and responding to write requests. Set to 0 for no timeout.

Default: 0

Type: [Duration](#) object

Required: No

### **influxqlMaxSelectBuckets**

Maximum number of group by time buckets a SELECT statement can create. 0 allows an unlimited number of buckets.

Default: 0

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

### **influxqlMaxSelectPoint**

Maximum number of points a SELECT statement can process. 0 allows an unlimited number of points. InfluxDB checks the point count every second (so queries exceeding the maximum aren't immediately aborted).

Default: 0

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

### **influxqlMaxSelectSeries**

Maximum number of series a SELECT statement can return. 0 allows an unlimited number of series.

Default: 0

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

### **logLevel**

Log output level. InfluxDB outputs log entries with severity levels greater than or equal to the level specified.

Default: info

Type: String

Valid Values: debug | info | error

Required: No

### **metricsDisabled**

Disable the HTTP /metrics endpoint which exposes [internal InfluxDB metrics](#).

Default: false

Type: Boolean

Required: No

### **noTasks**

Disable the task scheduler. If problematic tasks prevent InfluxDB from starting, use this option to start InfluxDB without scheduling or executing tasks.

Default: false

Type: Boolean

Required: No

### **pprofDisabled**

Disable the /debug/pprof HTTP endpoint. This endpoint provides runtime profiling data and can be helpful when debugging.

Default: true

Type: Boolean

Required: No

### **queryConcurrency**

Number of queries allowed to execute concurrently. Setting to 0 allows an unlimited number of concurrent queries.

Default: 0

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 256.

Required: No

### **queryInitialMemoryBytes**

Initial bytes of memory allocated for a query.

Default: 0

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

### **queryMaxMemoryBytes**

Maximum number of queries allowed in execution queue. When queue limit is reached, new queries are rejected. Setting to 0 allows an unlimited number of queries in the queue.

Default: 0

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

### **queryMemoryBytes**

Maximum bytes of memory allowed for a single query. Must be greater or equal to queryInitialMemoryBytes.

Default: 0

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

### **queryQueueSize**

Maximum number of queries allowed in execution queue. When queue limit is reached, new queries are rejected. Setting to 0 allows an unlimited number of queries in the queue.

Default: 0

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 256.

Required: No

### **sessionLength**

Specifies the Time to Live (TTL) in minutes for newly created user sessions.

Default: 60

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 2880.

Required: No

### **sessionRenewDisabled**

Disables automatically extending a user's session TTL on each request. By default, every request sets the session's expiration time to five minutes from now. When disabled, sessions expire after the specified [session length](#) and the user is redirected to the login page, even if recently active.

Default: false

Type: Boolean

Required: No

## **storageCacheMaxMemorySize**

Maximum size (in bytes) a shard's cache can reach before it starts rejecting writes. Must be greater than `storageCacheSnapShotMemorySize` and lower than instance's total memory capacity. We recommend setting it to below 15% of the total memory capacity.

Default: 1073741824

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

## **storageCacheSnapshotMemorySize**

Size (in bytes) at which the storage engine will snapshot the cache and write it to a TSM file to make more memory available. Must not be greater than `storageCacheMaxMemorySize`.

Default: 26214400

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

## **storageCacheSnapshotWriteColdDuration**

Duration at which the storage engine will snapshot the cache and write it to a new TSM file if the shard hasn't received writes or deletes.

Default: 10 minutes

Type: [Duration](#) object

Required: No

## **storageCompactFullWriteColdDuration**

Duration at which the storage engine will compact all TSM files in a shard if it hasn't received writes or deletes.

Default: 4 hours

Type: [Duration](#) object

Required: No

### **storageCompactThroughputBurst**

Rate limit (in bytes per second) that TSM compactions can write to disk.

Default: 50331648

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

### **storageMaxConcurrentCompactions**

Maximum number of full and level compactions that can run concurrently. A value of 0 results in 50% of runtime.GOMAXPROCS(0) used at runtime. Any number greater than zero limits compactions to that value. This setting does not apply to cache snapshotting.

Default: 0

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 64.

Required: No

### **storageMaxIndexLogFileSize**

Size (in bytes) at which an index write-ahead log (WAL) file will compact into an index file. Lower sizes will cause log files to be compacted more quickly and result in lower heap usage at the expense of write throughput.

Default: 1048576

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

### **storageNoValidateFieldSize**

Skip field size validation on incoming write requests.

Default: false

Type: Boolean

Required: No

### **storageRetentionCheckInterval**

Interval of retention policy enforcement checks. Must be greater than 0.

Default: 30 minutes

Type: [Duration](#) object

Required: No

### **storageSeriesFileMaxConcurrentSnapshotCompactions**

Maximum number of snapshot compactions that can run concurrently across all series partitions in a database.

Default: 0

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 64.

Required: No

### **storageSeriesIdSetCacheSize**

Size of the internal cache used in the TSI index to store previously calculated series results. Cached results are returned quickly rather than needing to be recalculated when a subsequent query with the same tag key/value predicate is executed. Setting this value to 0 will disable the cache and may decrease query performance.

Default: 100

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

### **storageWalMaxConcurrentWrites**

Maximum number writes to the WAL directory to attempt at the same time. Setting this value to 0 results in number of processing units available x2.

Default: 0

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 256.

Required: No

### **storageWalMaxWriteDelay**

Maximum amount of time a write request to the WAL directory will wait when the [maximum number of concurrent active writes to the WAL directory has been met](#). Set to 0 to disable the timeout.

Default: 10 minutes

Type: [Duration](#) object

Required: No

### **tracingType**

Enable tracing in InfluxDB and specifies the tracing type. Tracing is disabled by default.

Type: String

Valid Values: log | jaeger

Required: No

### **uiDisabled**

Disable the InfluxDB user interface (UI). The UI is enabled by default.

Default: 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](#)

# LogDeliveryConfiguration

Configuration for sending InfluxDB engine logs to send to specified S3 bucket.

## Contents

### s3Configuration

Configuration for S3 bucket log delivery.

Type: [S3Configuration](#) 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](#)

## Parameters

The parameters that comprise the parameter group.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### InfluxDBv2

All the customer-modifiable InfluxDB v2 parameters in Timestream for InfluxDB.

Type: [InfluxDBv2Parameters 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

Configuration for S3 bucket log delivery.

## Contents

### **bucketName**

The name of the S3 bucket to deliver logs to.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: [0-9a-z]+[0-9a-z\.\-\-]\*[0-9a-z]+

Required: Yes

### **enabled**

Indicates whether log delivery to the S3 bucket is enabled.

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](#)

# 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*.

## Action

The action to be performed.

Type: string

Required: Yes

## Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

## 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 Errors

This section lists the errors common to the API actions of all Amazon services. For errors specific to an API action for this service, see the topic for that API action.

## **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

## **IncompleteSignature**

The request signature does not conform to Amazon standards.

HTTP Status Code: 400

## **InternalFailure**

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

## **InvalidAction**

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 400

## **InvalidClientTokenId**

The X.509 certificate or Amazon access key ID provided does not exist in our records.

HTTP Status Code: 403

## **NotAuthorized**

You do not have permission to perform this action.

HTTP Status Code: 400

## **OptInRequired**

The Amazon access key ID needs a subscription for the service.

HTTP Status Code: 403

## **RequestExpired**

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

## **ServiceUnavailable**

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

## **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

## **ValidationException**

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

HTTP Status Code: 400