亚马逊云科技

User Guide

Amazon Local Zones

Amazon Local Zones: User Guide

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What is Amazon Local Zones?

Amazon Local Zones places compute, storage, database, and other select Amazon resources close to large population and industry centers.

Amazon Local Zones in Beijing helps support the workloads related to intelligent automotive technology for car manufacturers and automotive companies. To learn more, see Amazon Automotive Cloud Solutions and Amazon China Gateway, a one-stop service to help global customers leverage Amazon in China.

Available Local Zone

Amazon Local Zones is available in the Beijing Region in China.

The following terms are identifying details associated with the Local Zone:

- Local Zone Group Long Name: China (Beijing)
- Local Zone Name: cn-north-1-pkx-1a
- Local Zone ID: cnn1-pkx1-az1

Managing Local Zones

You can manage your Amazon resources in a Local Zone using the following options:

- **Amazon Web Services Management Console** — Provides a web interface that you can use to manage your Local Zones and create resources in your Local Zones.
- **Amazon Command Line Interface (Amazon CLI)** — Provides commands for a broad set of Amazon services, including Amazon VPC, and is supported on Windows, macOS, and Linux. The services that you use in Local Zones continue to use their own namespaces. For example, Amazon EC2 uses the "ec2" namespace, and Amazon EBS uses the "ebs" namespace. For more information, see Amazon Command Line Interface.
- **Amazon SDKs** — Provides language-specific APIs and takes care of many of the connection details, such as calculating signatures, handling request retries, and handling errors. For more information, see Amazon SDKs.

Amazon Local Zones concepts

These are the essential concepts in Amazon Local Zones:

- **Local Zone** — An extension of an Amazon Region in geographic proximity to your users, where the Local Zone infrastructure is deployed.

- **VPC** — A virtual private cloud (VPC) is a virtual network that closely resembles a traditional network that you'd operate in your own data center. You create subnets in your VPCs and deploy Amazon resources, such as Amazon EC2 instances, in your subnets.

- **Local Zone subnet** — A subnet that you create in a Local Zone. You can deploy supported Amazon resources in your Local Zone subnets.

- **Group Long Name** — The Local Zone group name.

- **Network Border Group** — A unique group from which Amazon advertises public IP addresses. A pool of public IP addresses can be explicitly allocated for use in a network border group. Once provisioned, IP addresses cannot move between network border groups.

  When creating a subnet, you will find the network border group for the Local Zones in the **Availability Zone** drop-down list.

Considerations

- Local Zone subnets follow the same routing rules as Availability Zone subnets, including the use of route tables, security groups, and network ACLs.

- You cannot create VPC endpoints inside Local Zone subnets.

- The Amazon Site-to-Site VPN is not available in Local Zones. Use a software-based VPN to establish a site-to-site VPN connection into a Local Zone.

Amazon managed policies for Amazon Local Zones

An Amazon managed policy is a standalone policy that is created and administered by Amazon. Amazon managed policies are designed to provide permissions for many common use cases so that you can start assigning permissions to users, groups, and roles.

Keep in mind that Amazon managed policies might not grant least-privilege permissions for your specific use cases because they're available for all Amazon customers to use. We recommend that you reduce permissions further by defining [customer managed policies](#) that are specific to your use cases.

You cannot change the permissions defined in Amazon managed policies. If Amazon updates the permissions defined in an Amazon managed policy, the update affects all principal identities (users, groups, and roles) that the policy is attached to. Amazon is most likely to update an Amazon managed policy when a new Amazon Web Services service is launched or new API operations become available for existing services.

For more information, see [Amazon managed policies](#) in the *IAM User Guide*.

Amazon managed policy: AmazonZoneGroupAccessManagementServiceRolePolicy

The `AmazonZoneGroupAccessManagementServiceRolePolicy` policy is attached to the `AmazonServiceRoleForZoneGroupAccessManagement` service-linked role that allows an administrator to enable Zone Groups on behalf of their entire organization, automatically opting-in all existing member accounts and new accounts joining the organization. You cannot attach this policy to your users, groups, or roles.

Permissions details

This policy includes the following permissions.

- `DescribeOrganization` – View organization details.
- `DescribeOrganizationalUnit` – View organizational unit information.
- `DescribeAccount` – View account details.
- `ListAccounts` – List all accounts in the organization.
- `ListParents` – List parent containers.

- `ListAWSServiceAccessForOrganization` – List Amazon service access status.
- `ListChildren` – List child resources.
- `ListDelegatedAdministrators` – List delegated administrators.

To view details for this policy, see [AmazonZoneGroupAccessManagementServiceRolePolicy](#) in the *Amazon Managed Policy Reference*.

Amazon Local Zones updates to Amazon managed policies

View details about updates to Amazon managed policies for Amazon Local Zones since this service began tracking these changes. For automatic alerts about changes to this page, subscribe to the RSS feed on the Amazon Local Zones Document history page.

Change	Description	Date
AmazonZoneGroupAccessManagementServiceRolePolicy – New policy	Added a new Amazon managed policy that allows an administrator to enable Zone Groups on behalf of their entire organization, automatically opting-in all existing member accounts and new accounts joining the organization.	June 30, 2025

Document history for the Amazon Local Zones user guide

The following table describes the documentation releases for Amazon Local Zones.

Change	Description	Date
[New Local Zone launch](#)	A new Local Zone is now available in China.	April 22, 2025