亚马逊云科技

Amazon Local Zones

Amazon Local Zones: User Guide

Table of Contents

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.

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