

AWS Local Zones

Run applications on AWS infrastructure closer to your end users and workloads

Run applications that require single-digit millisecond latency or local data processing by bringing AWS infrastructure closer to your end users and business centers.

AWS Regions - Geographical areas that contain multiple, isolated data centers.

Availability Zones - One or more discrete data centers within a Region.

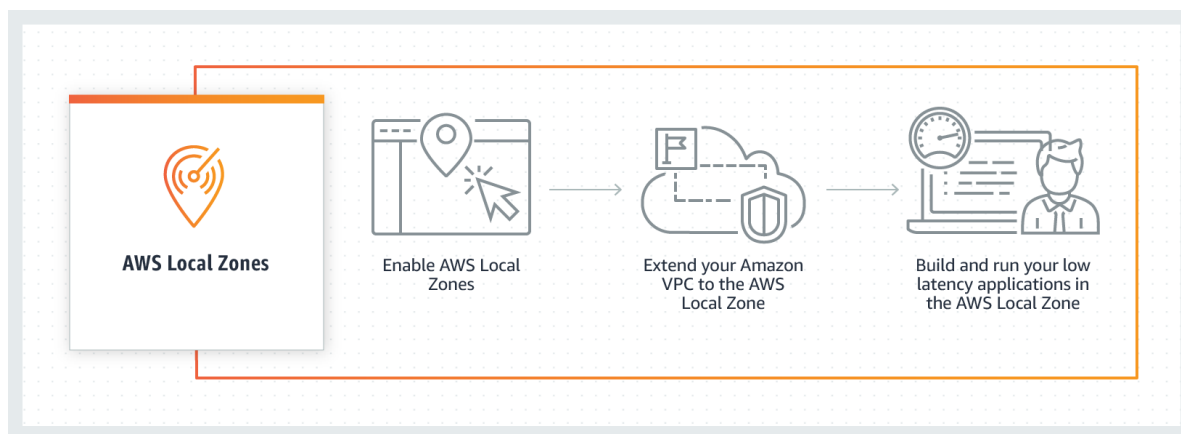
Local Zones - A type of infrastructure deployment that places select AWS services closer to users.

Benefits

- **Low latency:** Reduce network latency for latency sensitive applications, such as real-time gaming, live streaming, augmented and virtual reality, and more.
- **Hybrid cloud capabilities:** Bring AWS resources closer to on-premises data centers.
- **Regulatory compliance:** Meet data residency requirements in certain locations. These can be regulations in sectors such as healthcare, financial services, and government.

How It Works

To get started with AWS Local Zones, you must first enable a Local Zone through the Amazon EC2 console or the AWS CLI. Next, create a subnet in a VPC in the parent Region, specifying the Local Zone when you create it. Finally, create AWS resources in the Local Zone subnet.



Use Cases

Run latency sensitive applications closer to end users

Build and deploy applications close to end users to enable real-time gaming, live streaming, augmented and virtual reality (AR/VR), virtual workstations, and more.

Simplifying hybrid cloud migrations

Migrate your applications to a nearby AWS Local Zone, while still meeting the low-latency requirements of hybrid deployment.

Meet data residency requirements

Comply with state and local data residency requirements in sectors such as healthcare, financial services, iGaming, and government.