Bring AWS Services to Customer Locations with AWS Outposts

AWS Outposts is a fully managed service that extends AWS infrastructure, AWS services, APIs, and tools to virtually any datacenter, colocation space, or on-premises facility for a truly consistent hybrid experience. You can run what you need to locally, utilizing the same Intel® Xeon® Scalable processor technology in Amazon EC2 instances, and scale to the cloud when needed. Outposts also removes the heavy lifting required to procure, manage, and upgrade existing on-premises infrastructure.

Scroll down to learn how AWS Outposts meets a range of use cases that are not yet suited to cloud but may be held back by traditional on-premises infrastructure.

AWS brings the cloud to anywhere you need it to be

75%

Enterprise applications that are still on-premises

71%

Organizations with hybrid deployments

Low latency

Latency-sensitive applications that require single digit millisecond latencies. Modernize your infrastructure for workloads that need to be close to your workstations.

Local data processing

Some local datasets can't easily be migrated to the cloud, and processing these datasets needs to happen locally because workloads need to continue through a network outage.

Data residency

Data has to remain in a particular place for regulatory, contractual, or information security reasons.

With common infrastructure, services, APIs, and tools across their cloud and on-premises environments, businesses in a variety of sectors can become more agile, efficient, and competitive.

Outposts brings AWS infrastructure and services on premises

Consistent hybrid experience

Use the same infrastructure, services, APIs, management, and operations everywhere. Get a truly consistent developer and IT operations experience across on premises and cloud.

Fully managed infrastructure

Your Outpost is delivered, installed, monitored, managed, patched, and updated by AWS. Reduce the time, resources, risk, and maintenance downtime required to manage IT.

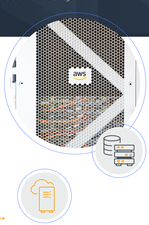
Run and access AWS services on premises

Seamlessly extend your Virtual Private Cloud on premises. Run AWS services locally on your Outpost, including EC2, EBS, ECS, EKS, and RDS but also have full access to services in the Region. More services to come!

Store and process data on premises locally

Securely store and process data that needs to remain local, whether that is on premises, or in states or countries where there is not an AWS Region.

The AWS Outposts service includes the same AWS hardware we use in regions



- AWS-optimized rack design for efficiency and performance
- Supports a range of EC2 instance types (M, C, R and I, powered by Intel® Xeon® Scalable processors) for a variety of compute, memory or graphics optimized purposes
- Redundant active components including top of rack switches
- Centralized redundant power conversion unit and DC distribution system for energy efficiency, easy serviceability and higher reliability
- Managed and monitored with automatic patches and upgrades, health monitoring and enhanced security - protected by the same global network security procedures that protect AWS infrastructure in the Region
- Choose from preselected Outpost configurations that cover a variety of use cases or create custom configurations for your specific needs

How does AWS Outposts enhance your use case?

1 Healthcare

Health management systems (HMS) power healthcare innovation and efficiency. Running on AWS Outposts your HMS can:

- **Achieve low latency** processing requirements
- **Achieve rapid retrieval** of medical information stored locally
- **Use analytics and machine learning** AWS services easily

2 Telecommunications

Telecommunications providers need to offer reliable network services in many locations. With AWS Outposts you can:

- **Orchestrate, update, scale, and manage** virtual network functions across cloud, on premises, and edge.
- **Build** new network services
- **Deploy** virtual network functionality at any network operations center

3 Media & Entertainment

AWS Outposts seamlessly integrates AWS resources on premises and in the Region so media, gaming and entertainment organizations can:

- **Access the latest GPU innovations** on premises for graphics processing, audio and video rendering, and other media applications
- **Support live and real-time event streaming** applications that require low latency by running them on premises or close to end users
- **Develop cutting-edge** live stream gaming experiences

4 Financial services

Financial services institutions are facing regulatory challenges and competing to deliver the best digital experiences to customers. With AWS Outposts you can:

- **Build next-generation trading and exchange platforms** that serve all participants at low latency
- **Meet data locality requirements** by delivering services from in-country locations

5 Retail

Digital infrastructure is powering next-generation retail experiences online and at physical locations. Retailers can use AWS Outposts to:

- **Enable retail innovations** such as connected store experiences by leveraging AWS database, container, and analytics services
- **Process in-person transactions locally** by running POS systems on Outposts
- **Deliver consistent, reliable operations** at every retail location

6 Manufacturing control

Process control systems (e.g. MES and SCADA) are latency sensitive and need to run close to factory floor equipment. Run them on AWS Outposts to achieve:

- **Seamless integration** with services running in the AWS Region
- **Centralized operations** with a consistent on-premises and cloud experience
- **Modernization** of applications using AWS infrastructure and services

Get started with AWS Outposts today

Contact us through your account team or our online form: **https://aws.amazon.com/contact-us/**

Or select the right configuration for you via the AWS Management Console:

1. **Log into the AWS Management Console to create a site**
2. **Select an Outposts configuration**
3. **Place your order**

To Learn more visit https://aws.amazon.com/outposts

Intel® Xeon® Scalable processors