Where legacy WAN solutions fall short

To best support global users and customers, enterprises require seamlessly connectivity between branch office locations, applications, and workloads hosted in the cloud. Many WAN solutions are ill-equipped for this task because they are generally rigid, complex to configure, and expensive to maintain.

IoT adoption, a dramatic increase of the number of network devices, and the sophistication of security threats further compounds this challenge. Geographically-distributed devices need secure cloud connectivity, limiting the ability of existing WAN solutions to fulfill the need of distributed organizations.

Cisco SD-WAN on AWS: a WAN solution designed for the cloud

Cisco SD-WAN on Amazon Web Services (AWS) is an overlay WAN architecture that is designed to address modern enterprise cloud applications and workloads, heterogeneous WAN connectivity, distributed global workforces, and other business needs that traditional WAN solutions cannot meet. With Cisco SD-WAN, you can build a scalable WAN infrastructure that reduces data transport costs and operational expenses. Cisco SD-WAN Cloud onramp for IaaS extends the visibility, reliability, and management of the SD-WAN network to AWS. Tight integration with Amazon Virtual Private Cloud (VPC) enables you to automat network configuration, so you can deploy and scale workloads on AWS faster. Cloud onRamp for SaaS, another Cisco SD-WAN feature, makes it easy to route cloud SaaS application traffic to end-users.

Key benefits

Reduce your total cost of ownership
- Automatically provision encrypted tunnels between enterprise branch offices and Amazon VPCs.
- Get up to 10 times the network bandwidth at a lower cost by aggregating heterogeneous WAN connectivity.
- Simplify network configuration, workload segmentation, and network monitoring through automation.

Strengthen your security posture
- Apply granular and role-based access controls to specific workloads.
- Protect data with AES 256-bit encryption over all link types.
- Reduce your attack surface with VPN segmentation.

Simplify your migration to the cloud
- Reduce the number of complex manual network configurations.
- Manage Amazon VPCs across multiple AWS Regions with a gateway VPC.
- Scale host VPCs while maintaining management, quality monitoring, and security.

Simplify your migration to the cloud
- Establish multiple hybrid links with active-active capability.
- Steer traffic around upstream network issues in real time.
- Customize SLA-based policies per application.
Cisco SD-WAN connects to AWS all your enterprise assets, such as branch offices, on-premises data centers, and devices. You can quickly deploy new branches over any transport, including LTE, 4G, broadband Internet, MPLS, and VSAT.

Deployment options
Cisco SD-WAN can be consumed and managed using several models:

- With a perpetual license as part of a CapEx model with an enterprise agreement
- In an annual subscription
- Or as a managed service from an AWS Partner Network (APN) partner.

Cisco SD-WAN comes with cloud-based management and a vAnalytics dashboard to give you ongoing insights into the performance, security, and reliability of your network.

To learn more and get started, visit: cisco.com/go/sdwan