



Delivering cloud-ready networks for
the distributed enterprise
Citrix SD-WAN on AWS

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Introduction

Cloud technology has revolutionized the way global businesses operate. The ability to provision and de-provision IT resources on-demand and at a global scale gives them the agility to better support distributed workforces. Cloud providers also provide native access to innovative and emerging technologies, giving businesses of all sizes a path to retire inefficient processes and systems and drive new value from their critical applications.

These benefits combined with the cost-efficiency and flexibility of cloud technology are driving many to migrate critical applications to the cloud. However, those operating at a global scale need to reconsider how they deliver applications and data to their customers to get the most benefit out of the cloud.



Challenges created by legacy WAN architectures

Today's distributed enterprise needs a method of reliably delivering cloud and Software-as-a-Service (SaaS) applications to branch offices. Citrix solutions on Amazon Web Services (AWS) can help customers overcome challenges posed by legacy WAN architectures. Three key challenges are:

1. Inconsistent application experiences

Legacy WAN architectures are unable to effectively route cloud traffic which limit performance and in turn, create inconsistent experiences for end users.

2. Requiring security for direct internet breakout

To deliver applications and traffic to branch offices, many organizations backhaul their network traffic for inspection. However, this approach to security can lead to latency, poor performance, and a negative end user experience.

3. Complex and costly operations

Legacy WAN solutions, such as MPLS and leased lines, often present complex operations, leading to inefficient network management, excessive costs, and personnel being diverted away from their core competencies.

Fortunately, there is a way to overcome these challenges:
Software-defined WAN (SD-WAN) solutions.



Consistently deliver cloud and SaaS apps to branch offices

SD-WAN benefits

SD-WANs help to simplify the management and operations of your network by treating it as code, separating control mechanisms from the hardware itself, and ultimately delivering a better user-experience.



High-performance application experience

Intelligently steer cloud application traffic to more effectively improve network throughput. Granular quality of service (QoS) controls ensure business-critical traffic prioritization. Packet-based traffic steering enables detection of outages after just two or three missing packets, allowing seamless sub-second failover of traffic to the next-best WAN path.



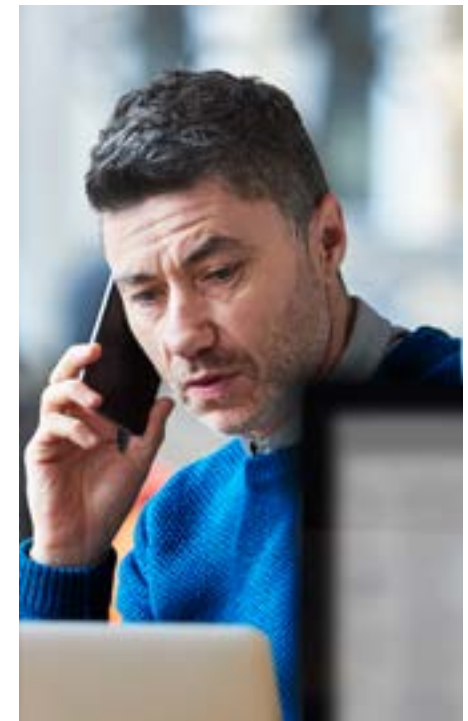
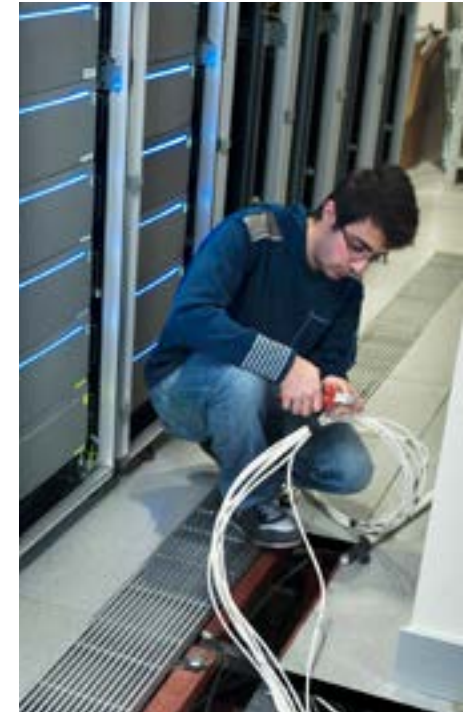
Secure WAN

Integrated edge security enables protection for direct internet breakout of IaaS and PaaS traffic from branches. Centrally defined security policies ensure consistent security across the network.



Simplified management and infrastructure

SD-WANs can be configured into edge mode, allowing all devices within a Local Area Network (LAN) to share the same WAN address. This enables organizations to eliminate dedicated legacy edge routers in branches. Centralized management simplifies the connectivity between branch offices and Amazon Web Services (AWS). Additionally, organizations can leverage zero-touch capabilities to configure the SD-WAN, requiring only an IP address and eliminating the need for networking personnel to visit remote locations.



Citrix SD-WAN on AWS

Citrix SD-WAN combines packet-based, real-time path selection, edge routing, built-in next-gen firewall, end-to-end QoS, and WAN optimization, so you can accelerate application delivery, improve the user experience, and lower operating costs.

Primary use cases

Branch office and at-home workforce connectivity

Leverage the AWS global footprint to reach out to the resources deployed on AWS and eliminate traffic backhaul to deliver a better user experience at branch offices or other remote locations.

Transit Gateway Connect

Connect Amazon VPCs and on-premises networks using Citrix SD-WAN. This allows you to use Citrix SD-WAN's superior per-packet load balancing capability from on-premises environments to AWS for a superior user experience. Additionally, the native integration with AWS Transit Gateway allows you to embrace a scalable SD-WAN solution, while consolidating and simplifying deployments on AWS.

Accessing Citrix Virtual Apps and Desktops

Enable high-quality experiences for Citrix Virtual Apps and Desktops, as well as other network-sensitive workloads on AWS by allowing users to securely connect directly to the cloud without an appliance at the branch.

Cloud-to-data center connectivity

Easily and quickly connect workloads on AWS to your on-premises data center.

Accessing all applications

Citrix SD-WAN optimizes all applications over every network link to give users the best possible experience, while providing reliable,



Why Citrix?



Trustworthy

Citrix solutions are being used by more than 400,000 organizations and 100+ million users globally.



Leader in virtual apps and desktops

Citrix has a comprehensive suite of digital workspace solutions that provide secure remote access to applications and desktops. When combined with Citrix SD-WAN, businesses can deliver digital workspaces more reliably to distributed users.



Built to last

Citrix solutions are designed to provide platform stability, network and data security, and compliance with regulatory requirements.



Why AWS?

For 14 years, AWS has been the world's most broadly adopted cloud platform. The AWS global footprint helps organizations better support distributed workforces through improved network connectivity, performance, flexibility, scalability, and availability.

AWS tools and resources can be integrated with third-party networking solutions to enhance and simplify connectivity between your remote and branch offices. By provisioning on-demand IT resources, you can scale out your network quickly, securely, and cost-efficiently.



Scalability



Security



Global footprint



Cost-effectiveness



Getting started with Citrix SD-WAN

Pilot Citrix SD-WAN on AWS:

Free 90-day trial on AWS Marketplace

We recommend running Citrix SD-WAN in your own environment before making any commitments. When you are ready to discuss purchasing options, pricing, implementation, or any questions you have, contact us to talk to a Citrix Networking expert.

[Contact us](#)

Trial options

SD-WAN Standard Edition

Try Citrix SD-WAN standard edition to scale WAN bandwidth, while enhancing application availability.

100 Mbps

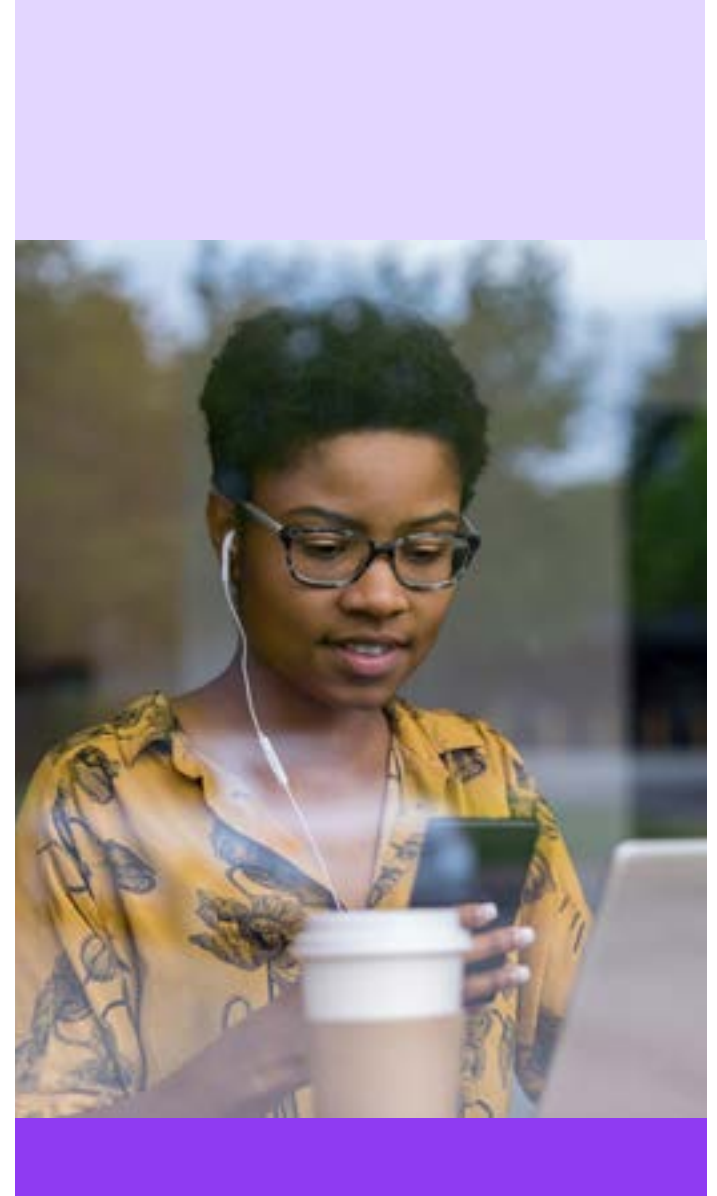
200 Mbps

500 Mbps

[Free trial](#) →

[Free trial](#) →

[Free trial](#) →



Additional solutions from Citrix

To augment the benefits you receive from Citrix SD-WAN, explore our other solutions:

Designed for use in hybrid-cloud networks, Citrix ADC is the optimal complement to the Citrix SD-WAN, with L4-7 application delivery intelligence that helps to transform traditional networks into application-driven enterprises.

[Learn more](#)

[AWS Quick Start](#)

Citrix Workspace provides a unified way for employees to get all the apps and data they need —delivered on-premises or in the cloud—for a great, secure experience for every app, everywhere. Citrix SD-WAN eliminates network challenges to deliver an excellent Workspace experience for virtual apps and desktops running on AWS to users in branch locations.

[Learn more](#)

[AWS Quick Start](#)



Remote access, SSO, and VDI monitoring

[Citrix Gateway](#) →



Protecting web apps and services

[Citrix Web App Firewall](#) →



Protect your users from web threats

[Citrix Secure Web Gateway](#) →



Visibility and management

[Citrix Application Delivery Management](#) →



About Citrix

Citrix is powering a better way to work with unified workspace, networking, and analytics solutions that help organizations unlock innovation, engage customers, and boost productivity, without sacrificing security. With Citrix, users get a seamless work experience and IT has a unified platform to secure, manage, and monitor diverse technologies in complex cloud environments. Citrix solutions are in use by more than 400,000 organizations including 99 percent of the Fortune 100 and 98 percent of the Fortune 500.

To learn more, go to [citrix.com](https://www.citrix.com).

