

Zscaler and VMware SD-WAN

Performance and Security without Complexity



Together Zscaler and VMware SD-WAN deliver an integrated secure SD-WAN solution that optimizes performance for cloud applications while providing assured security, scalability, and flexibility to meet the needs of today's enterprises.

As cloud-delivered applications become commonplace and a dispersed workforce becomes the new normal, backhauling traffic over MPLS to a centralized data center via a hub-and-spoke architecture is as inefficient as it is irrelevant. This traditional approach introduces unnecessary complexity and latency that negatively impacts application performance and user experience. To support a cloud transition and deliver the desired user experience, enterprise network architects are reevaluating the design of their WAN architectures to route internet traffic locally and taking advantage of inexpensive but omnipresent broadband internet services, often turning to Software-Defined Wide Area Networking (SD-WAN).

The cloud-delivered VMware SD-WAN™ is transport agnostic and enables direct access to cloud applications for branch users through a distributed network of highly available VMware SD-WAN gateways and branch VMware SD-WAN Edges. The VMware SD-WAN orchestrator acts as a brain for the network and provides a single pane of glass view for monitoring and management. With Dynamic Multi-Path Optimization (DMPO) and identification of more than 3,000 applications, VMware SD-WAN can optimize traffic steering and route traffic to the best on-ramp access to cloud services, assuring performance based on business intent.

While cloud-delivered applications offer a myriad of benefits, connecting branches and users directly to SaaS and cloud applications introduces significant security and user-experience risks. These risks are particularly challenging to manage with limited IT resources, and require organizations to rethink their approach to securing their offices, users, and data.

Key Highlights:

Optimal Performance

- Provides security as a cloud-service without impacting performance
- Enhances quality of experience with real-time monitoring and link optimization
- Delivers desired performance with policy-based categorization and prioritization for more than 3,000 applications

Assured Security

- Delivers the entire security stack as a service at scale, including native SSL inspection
- Policies follow the user, to provide identical protection for users wherever they connect
- Eliminates the need to buy, deploy, and manage security appliances in all your branch locations

Simplicity and Scale

- Reduces cost and complexity of traditional network and security architectures
- Zero touch provisioning enables simultaneous deployment of new branches and security services, in just a few clicks
- Simplifies management with centralized configuration and monitoring

To address these security challenges, Zscaler delivers comprehensive security as a cloud service and enables inspection of all traffic at scale—all ports and protocols, including native SSL inspection, URL filtering, full proxy content inspection and access control, advanced firewall, intrusion prevention, advanced threat prevention, sandboxing, CASB, and DLP. It ensures identical protection for all users, on any device, with policies that follow the user wherever they connect. Because it's a fully cloud-delivered service, Zscaler completely eliminates the need to buy, deploy, and manage security appliances in all your branch locations, and aligns security with the benefits your network transformation is intended to deliver.

Secure SD-WAN by Zscaler and VMware

To successfully embrace cloud applications and support employees working from anywhere, VMware SD-WAN and Zscaler work together to enable secure and optimized local internet breakouts. This seamless integration reduces complexity and aligns business and security policies with application needs and business objectives. The combined solution delivers the best application performance, user experience, and assured security with:

- Direct-to-cloud connectivity to eliminate backhauling and reduce latency
- Cloud-delivered security, so all users in all locations get identical protection—including native SSL inspection, access controls, advanced threat protection, and data loss prevention
- Flexible deployment options to simplify branch IT operations while enabling scalability and centralized policy and WAN management
- Automatic, zero-touch provisioning to enable rapid deployment of branches and security services, ensuring security and performance from day one

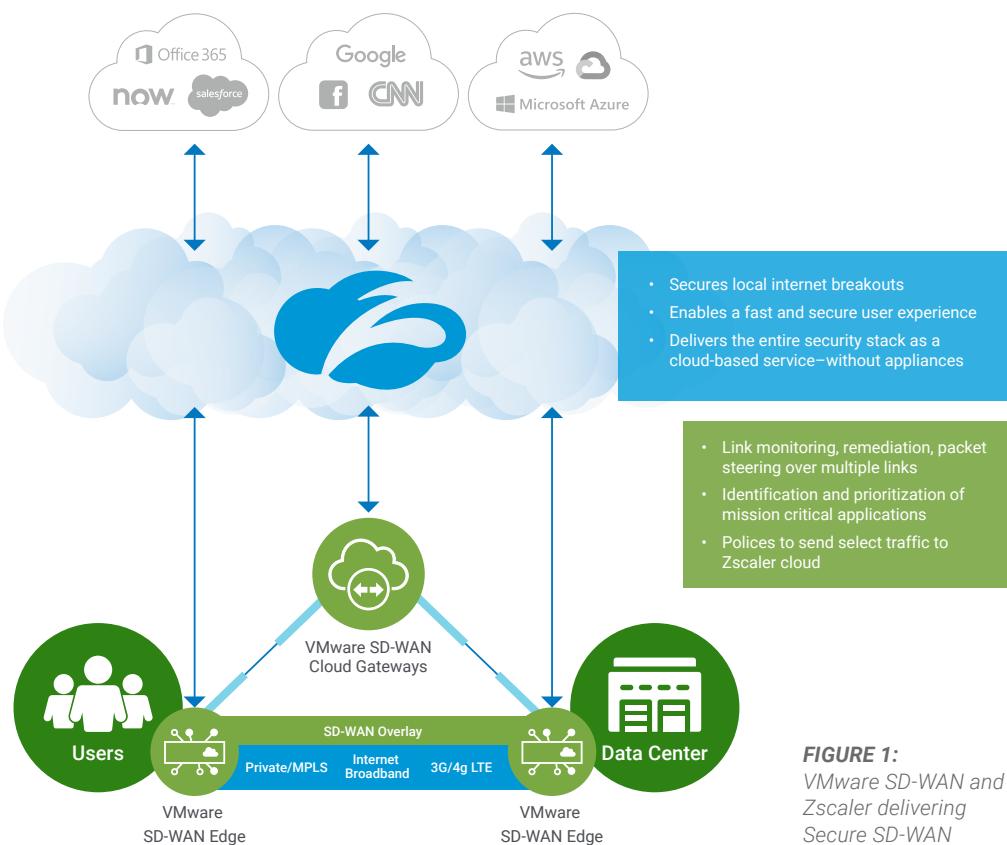


FIGURE 1:
VMware SD-WAN and
Zscaler delivering
Secure SD-WAN

The combined Zscaler and VMware SD-WAN solution enables organizations to easily migrate from a hub-and-spoke architecture to an optimized direct-to-cloud architecture with full-stack security. With the VMware SD-WAN orchestrator, network administrators determine what traffic to steer to Zscaler. Based on the application requirements, admins have the option to steer traffic directly to Zscaler Cloud Security Service from VMware SD-WAN Edge or VMware SD-WAN gateways. Both routes are automatically provisioned with IPsec tunnels.

Zscaler secures all traffic in the cloud, without needing to deploy on-prem security appliances at user branch locations. This approach not only reduces CAPEX expenses for multiple branch locations, it also simplifies IT operations and eliminates IT-intensive equipment maintenance, upgrades, and avoids misconfiguration. The highly available and distributed VMware SD-WAN gateways offer the added benefit of real-time monitoring, packet steering, and remediation on the link between user sites and these gateways, which then hand off the traffic to either Zscaler tenant locations or cloud service locations.

The joint VMware SD-WAN and Zscaler integration simplifies branch IT and enables organizations to easily scale and deploy access and security policies across many locations from a single console in a matter of a few clicks. Together, Zscaler and VMware SD-WAN help organizations simplify IT operations, eliminate unnecessary backhauling, and minimize security risks while optimizing application connectivity and performance at scale.

For more information on the Zscaler and VMware alliance, go to:

zscaler.com/vmware

For more information on the Zscaler and VMware SD-WAN solution, go to:

zscaler.com/solutions/partners/vmware-sd-wan

About Zscaler

Zscaler enables the world's leading organizations to securely transform their networks and applications for a mobile and cloud-first world. Its flagship services, Zscaler Internet Access™ and Zscaler Private Access™, create fast, secure connections between users and applications, regardless of device, location, or network. Zscaler services are 100% cloud delivered and offer the simplicity, enhanced security, and improved user experience that traditional appliances or hybrid solutions are unable to match. Used in more than 185 countries, Zscaler operates a multitenant, distributed cloud security platform that protects thousands of customers from cyberattacks and data loss. Learn more at zscaler.com or follow us on Twitter [@zscaler](https://twitter.com/zscaler).

About VMware

VMware SD-WAN, simplifies branch WAN networking by automating deployment and improving performance over private, broadband internet and LTE links for today's increasingly distributed enterprises. VMware SD-WAN includes a choice of public, private, or hybrid cloud network for enterprise-grade connection to cloud and enterprise applications; branch office enterprise appliances and optional data center appliances; software-defined control and automation; and virtual services delivery.

For more information, visit www.vmware.com.



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