

VMware VeloCloud SD-WAN™

Leveraging managed service partners for operational simplicity

VMware VeloCloud SD-WAN Overview

- Zero-touch deployment
- One-click business policy
- Enhanced firewall service
- Easy service insertion
- High application performance
- Cloud-based network-as-a-service
- Optimized bandwidth usage
- Comprehensive analytics dashboard
- Seamless branch connectivity
- Robust security features

The Wide Area Network (WAN) is transitioning as enterprises seek to improve agility and economics while shifting applications to the cloud. VMware VeloCloud SD-WAN simplifies the WAN, offering enterprise-grade performance, security, visibility, and control over public and private networks through reliable branch access across clouds and applications.

With zero-touch deployment, one-click business policy, enhanced firewall service, easy service insertion, and cloud-based network-as-a-service, VeloCloud SD-WAN delivered through managed service partners (MSPs) improves the user experience, lowers cost of ownership, and streamlines management for businesses of all sizes. The result is better-performing WAN with increased reliability and security for branch and remote users.

Challenges of traditional WAN

Today's branch office users are increasingly reliant on WAN bandwidth as they use online collaboration tools, Software-as-a-Service (SaaS) offerings, cloud services, and other bandwidth-heavy applications. This demand opens challenges for corporate IT, including architectural complexities, security vulnerabilities, and escalating costs associated with legacy WAN.

Common challenges to traditional WAN include:

- **Time-consuming deployment** — Individually configuring WAN for remote branches is time-consuming and error prone, increasing costs and complexities for deployments.
- **Inefficient cloud/SaaS access** — Businesses running applications across multiple public and private clouds strains operational resources, security, and quality of service.
- **Compromised security** — Remote users accessing WAN networks from personal devices further compromise security at the Edge.
- **Difficult policy setting** — Customizing configurations for traditional WAN is made even harder for organizations with compliance requirements.
- **Operational complexity** — Traditional WAN is not designed for rapid scale growth or increasing security and bandwidth requirements.

Benefits of VeloCloud SD-WAN

- Zero-touch deployment streamlines setup with automatic profiling and real-time optimization for WAN circuits.
- Secure cloud/SaaS access enhances connectivity, minimizes latency, and protects against unauthorized branch disruptions.
- VeloCloud SD-WAN ensures high application performance with deep traffic analysis and on-demand network remediation.
- Integrated advanced firewall service eliminates branch firewall needs, leveraging VMware's NSX technology for security.
- Simplifies network management with one-click business policy settings across a centralized, cloud-based orchestrator.
- Enhances operational efficiency and reduces costs by integrating solutions to streamline management and troubleshooting.

Introducing VMware VeloCloud SD-WAN

VMware VeloCloud SD-WAN, delivered through MSPs, offers converged cloud networking and security services to achieve flexibility, agility, and scale for enterprises of all sizes.

Built on software-defined networking, VeloCloud SD-WAN addresses end-to-end automation, application continuity, branch transformation, and security from the edge to the data center and the cloud. This enables enterprises to support application growth while simplifying branch implementations, network and workforce agility, and enhanced network security.

While delivering optimized access to cloud services, private data centers, and enterprise applications, VeloCloud SD-WAN reduces cyber-attack risks with an enhanced firewall service, Intrusion Detection Systems and Intrusion Prevention Systems (IDS/IPS), hosted firewall logging, and more.

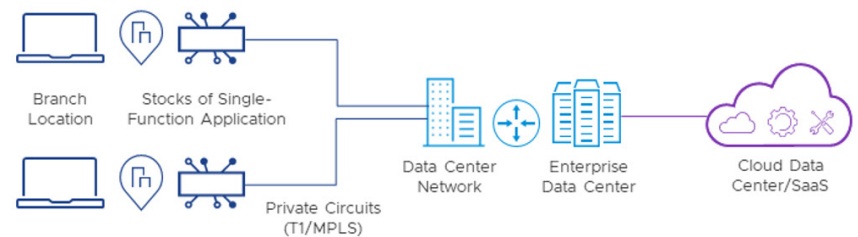


Figure 1: Traditional branch office WAN

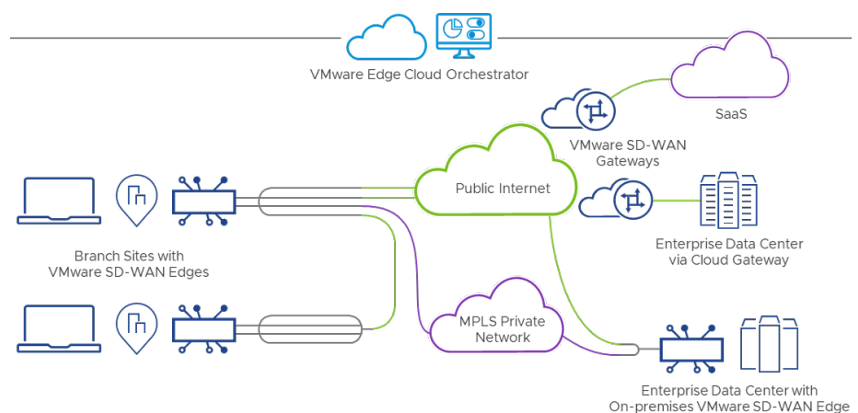


Figure 2: VMware VeloCloud SD-WAN service

“VMware SD-WAN has transformed our network and ability to support our optometrist community so that they can focus on taking care of patients rather than whether or not there is an outage that will stop them from doing their job.”

Geoff Greenberg
Chief Financial Officer, George & Matilda

Why buy VeloCloud SD-WAN through an MSP?

For SD-WAN services, outsourcing to an MSP simplifies the complexity for IT teams — especially for organizations without a large, in-house IT team or those that have other IT priorities — and enables the full benefits of the technology with lower cost of ownership. The service provider typically provides the hardware, software and transport services required to deliver connectivity for several branches with appropriate service level agreements (SLA's) such as uptime and performance.

Working with MSPs gives peace of mind alongside secure and scalable WAN, in addition to benefits such as:

Performance Improvements

- Increased reliability for SaaS and WAN-delivered applications.
- Scalable WAN connectivity and network services.
- Service Level Agreements with assured performance.

Cost and Management Efficiency

- Fast deployment to branch office and remote sites with reduced overhead costs and management.
- Reduced risk and cost by using the MSP's expertise, technology, and services.
- Fast provisioning with portals that provide real-time oversight and adjustability.

Security and Reliability

- Single-point-of-contact troubleshooting and network issue resolution.
- Enhanced security through hosted or cloud-based services.
- Reliability through carrier aggregation with the ability to link across networks.
- URL filtering, Intrusion Detection Systems and Intrusion Prevention Systems (IDS/IPS) to enhance firewall detection.

Advanced Network Features

- Streamlined connectivity to leading cloud platforms such as Amazon AWS, Microsoft Azure, and Google Cloud.
- Visibility into the full network stack from applications to the link layer.
- Integrated solutions for VoIP, Unified Communications as a Service (UCaaS), and other services.

Next Steps

VMware VeloCloud SD-WAN is a sophisticated technology that is part of the broader shift towards software-defined networking (SDN), which emphasizes flexibility, efficiency, and security in managing network resources.

For more information on cloud computing and VMware VeloCloud SD-WAN, reach out to your managed service partner or visit sase.vmware.com/sd-wan.



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