

VMware VeloCloud SASE: Accelerating and Securing Enterprise Edge and Cloud Transformation

Enterprises are in the middle of a digital transformation that affects every aspect of their network and security infrastructure. Applications are now spread across data centers, cloud, SaaS, and the edge, and the devices accessing these apps are everywhere. Legacy network architectures are unable to keep up with the hybrid work environment, resulting in operational complexity and poor user experience. The increasing use of BYOD and IoT devices and the ease of consuming internet applications (shadow IT) have increased the surface of attack. There is a 66% increase in the number of organizations affected by ransomware attack¹. In such a dynamic environment, IT teams are burdened with the difficult task of protecting applications, users, and sensitive data while ensuring the highest level of productivity and keeping costs within budget.

Introducing VMware VeloCloud SASE

VMware VeloCloud SASE™, secured by Symantec is the single-vendor SASE solution that features best-in-class SD-WAN and Security Service Edge (SSE) capabilities from VeloCloud and Symantec to enable users to access any application in a secure, reliable, and efficient manner. The solution delivers a rich and consistent experience protecting users, devices, applications, and data while simplifying operations. Its distinct advantages assist enterprises in their cloud, workforce, and application transformation initiatives.

VeloCloud SASE automatically connects VMware VeloCloud SD-WAN™ branch users, corporate headquarters employees, remote workers, partners, and IoT devices to Symantec SSE on an optimal path. The solution ensures full security inspection of traffic and activity to protect the organization and sensitive data from attack. The solution offers the flexibility to adopt a hybrid or cloud-native approach to deploy security services.

¹ The 2024 Ransomware Threat Landscape, Symantec Threat Hunter Team

The VMware VeloCloud SASE solution includes the following networking and security services:

VMware VeloCloud SD-WAN™ optimizes application performance over any WAN link. It delivers content across multiple transports using policy-based prioritization, intelligent traffic steering, continuous link monitoring, and automatic remediation. The solution uses zero-touch provisioning to connect thousands of branch and remote locations to data center and cloud applications with deep visibility, analytical insights, and proactive remediation capabilities. VeloCloud SD-WAN Edges have enhanced stateful firewall services integral to the device with intrusion detection and intrusion protection services.

Symantec SSE leverages the Symantec Enterprise Cloud to deliver proactive network security capabilities as a resilient and high-performing cloud security service. The solution is deployed worldwide and enforces security on the VeloCloud SD-WAN optimized network path between employees, wherever they are located, and the Internet. The solution protects the enterprise from advanced threats (even in encrypted traffic), controls and protects corporate use of cloud applications and the web, prevents data leaks, and ensures compliance with all company information and web or cloud access policies.

VMware VeloCloud SD-Access™ provides enterprise IT with an easy and secure remote access solution for workers and IoT devices anywhere with connectivity optimized for speed and reliability.

VMware Edge Cloud Orchestrator™ (VECO) is the cloud-hosted centralized orchestration software that provides a single management pane for Day 0 through Day 2 services for networking, branch security, and remote access. The orchestrator is powered by VMware Edge Intelligence™ using AI and ML to provide IT teams with visibility into the quality of user experience, path visibility, traffic flow, and insights for proactive remediation.

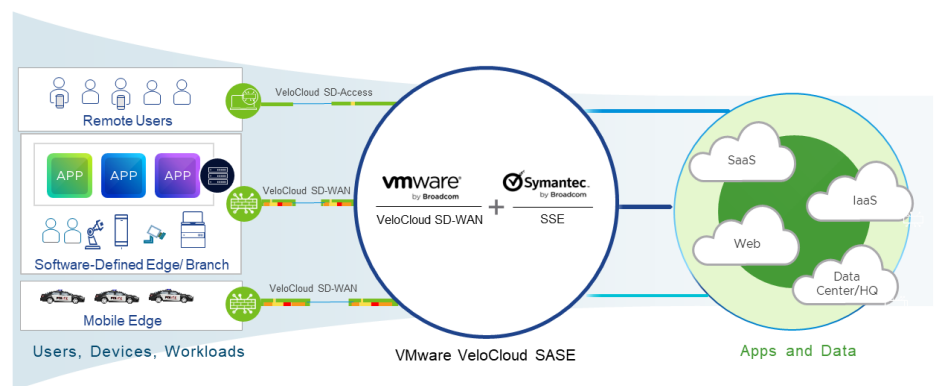


Figure 1: VeloCloud SASE: Securing accelerated enterprise edge and cloud transformation

VeloCloud SASE addresses the following use cases to help enterprises accelerate their strategic and targeted initiatives:

- **Cloud migration:** 81% of enterprises are expected to have workloads deployed in multiple clouds². IT has the challenge of connecting users distributed across the enterprise to cloud destinations. VeloCloud SASE builds an overlay network using self-discovery to automatically deliver user traffic to all major cloud destinations like Azure, GCP, AWS, and Alibaba on the most optimal path. The solution prioritizes business-critical applications during bandwidth contention on WAN links while dynamically remediating any link performance issues. Security can be enforced on-premises using enhanced firewall service, proxy-based SWG, and deep file inspection and sandboxing, or in the cloud using Symantec SSE for comprehensive cloud-delivered security—all managed by universal policy.
- **SaaS adoption:** Increasing use of SaaS applications exposes the enterprise perimeter to websites whose risk or reputation may not be well known. VeloCloud SASE provides reliable and efficient access to these applications while maintaining a robust security perimeter. The solution offers safe browsing while protecting against the loss of sensitive data. The solution provides visibility and fine-grained control into 45,000 SaaS applications.
- **Edge transformation:** New edge-native applications are being deployed at branch locations or in mobile edge destinations like police cars or ambulances. VeloCloud SASE connects these sites over satellite and LTE links at scale using centralized orchestration. The solution detects the needs of edge applications and programs the network to prioritize and steer traffic to cloud destinations. The solution offers defense in depth with branch protection and cloud perimeter protection.
- **Hybrid work:** All major surveys indicate approximately 50% of employees are expected to work remotely or in a hybrid environment. VeloCloud SASE uses Zero-Trust Network Access (ZTNA) to provide access only to those resources a user needs while continuously validating trust based on context. The solution actively calculates the most optimal path to direct user traffic. VeloCloud SASE eliminates the security risk and operational complexity of traditional VPN solutions.
- **Stopping new generation of attacks:** VeloCloud SASE prevents targeted ransomware attacks that exploit legitimate software and endpoints to hide their tracks. Integrated with Symantec Enterprise Cloud, the solution provides broad visibility into the enterprise threat landscape analyzed by processing telemetry signals from over 200 million control points.
- **Ensuring compliance:** Enterprise data is spread across data centers, the public cloud, SaaS clouds, and the edge. In regulated industries, compliance requirements can become a key budget driver and a source of material risk. VeloCloud SASE helps customers assess risk and deploy appropriate controls

² VMware FY22 H2 Benchmark, Digital Momentum, August 2021

in a centralized and consistent manner using pre-built templates for all major regulations.

- **Protecting data:** A substantial amount of enterprise data gets generated and consumed in the cloud or at the enterprise edge. VeloCloud SASE prevents sensitive data from leaving the enterprise perimeter with multi-layered detection that runs the entire range from simple text, images, and forms, to recognizing patterns in new and changing data. VeloCloud SASE provides a high level of accuracy and minimizes false positives with significant reduction in response time should a data loss incident occur.
- **WAN upgrades:** Bandwidth requirements at the edge continue to increase and enterprises look for ways to keep the WAN link costs within budget. With VeloCloud SASE, customers can use low-cost broadband as the primary WAN link or augment existing WAN links like MPLS VPN or dedicated circuits with broadband connectivity. VeloCloud SASE offers the security and reliability of transporting user traffic over cheap broadband connections to stay within budget and without compromising security.

Benefits of VeloCloud SASE solution

- **Leading SD-WAN solution:** Customers start their SASE journey using VeloCloud SD-WAN to connect users from any location over the most optimal path. The solution builds an overlay using any transport mechanism like broadband internet, MPLS, satellite, 3G/4G/5G LTE, or dedicated circuits. VeloCloud SD-WAN was recognized as a leader for the sixth consecutive year in the Gartner® Magic Quadrant™ in 2023³. The solution recognizes over 4,300 business applications to prioritize and deliver consistent user experience with dynamic detection and remediation of WAN link impairments. The solution provides an easy on-ramp to Symantec Enterprise Cloud and all major public cloud and SaaS providers.
- **Expedited threat detection and response:** With an ever-expanding attack surface, enterprises need a multi-layered defense with expedited threat detection and response. Symantec SSE takes advantage of the analysis done by Symantec Threat Hunters and Threat Researchers harvesting organic signals from over 200 million control points and over 56 million attack vectors. The benefit of any new threat detected in any part of the world is immediately available to all customers—creating a network effect and the benefit of crowd-sourced security.
- **Simplified management:** VeloCloud SASE manages all networking connectivity and operations using the VMware Edge Cloud Orchestrator (VECO). The solution offers insights into path visibility, and quality of experience and offers proactive remediation. A deployment benchmark includes 9,000 VeloCloud SD-WAN sites provisioned in 9 business days.

³ Gartner, *Magic Quadrant for SD-WAN*, Jonathan Forest, Naresh Singh, Andrew Lerner, Karen Brown, 27 September 2023.

Symantec Enterprise Console offers a single view into all security components and threat telemetry across the comprehensive security stack to get a broader understanding of the enterprise threat landscape. The solution has analyzed billions of suspicious files and digital signatures without operator intervention.

- **Global reach at scale:** VeloCloud SASE delivers networking and security using robust public cloud infrastructure with presence in over 200 countries and territories. The cloud native infrastructure has stronger resilience and reduced reliance on congested public internet routes. The solution automatically scales with demand and heals quicker.
- **Easy cloud security on-ramp:** When security moves to the cloud, a pertinent question that IT teams struggle with is how to get user traffic to the security enforcement points distributed across the globe. VeloCloud SASE removes the burden from IT by automatically connecting all VeloCloud SD-WAN Edges to Symantec Enterprise Cloud with a policy configuration on VECO. The solution automatically directs Symantec Enterprise Agent (Cloud SWG) and agentless device traffic over the right path without operator intervention. This approach eliminates the security risk posed by human errors.

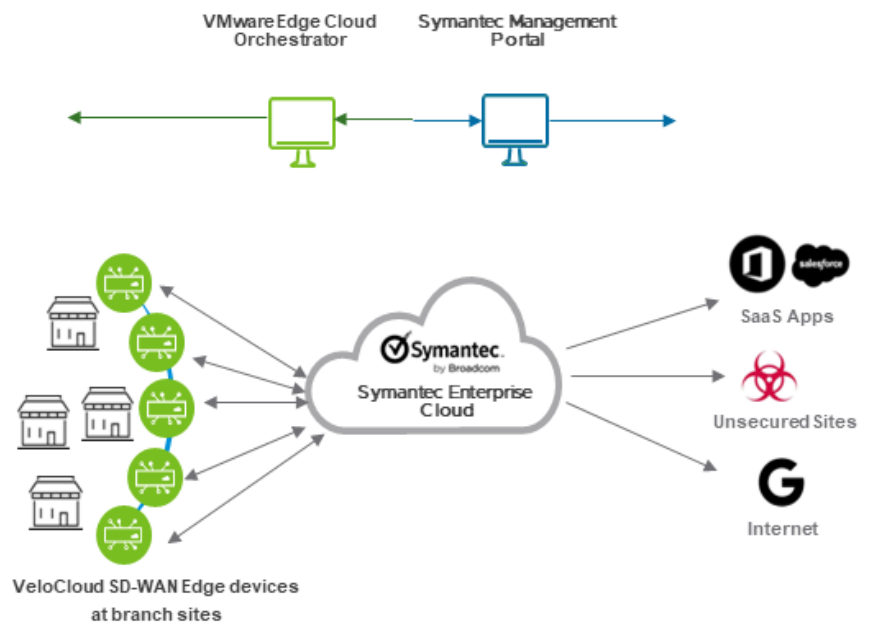


Figure 2: Automation drives VeloCloud SD-WAN Edge traffic to Symantec Enterprise Cloud

Learn more

- Find out more about [Symantec Security Service Edge Solution](#)
- Visit the web page for [VMware VeloCloud SASE, secured by Symantec](#)

VeloCloud SASE: Transform at your pace, your way

VeloCloud SASE meets customers at their starting point in the transformation journey to connect and secure users, devices, applications, and data. The solution offers industry-leading VeloCloud SD-WAN as a strong foundation of SASE coupled with a multi-layered security approach to defend against a sophisticated threat landscape using Symantec SSE. The solution reduces the burden for networking and security teams by leveraging automation and advanced analytics for proactive operations while addressing the needs of cloud, workforce, and edge transformation.