

## SOLUTION BRIEF

# Netskope with Versa Secure SD-WAN

Netskope and Versa Networks partner to provide scalable, secure branch, HQ, and direct-to-net connectivity. This solution provides advanced data and threat protection for users accessing web and cloud applications and services.

### KEY USE CASES

- **Unfettered, safe connectivity to web and cloud applications:** whether on-premises or working remotely. This cloud-native SaaS approach enables secure and high-performance connectivity for user access anywhere.
- **Advanced suite of security services:** a global cloud infrastructure with real-time, inline security defenses at scale, including next-generation Secure Web Gateway (SWG), Cloud Access Security Broker (CASB), Data Loss Prevention (DLP), and Zero Trust Network Access (ZTNA).
- **Full orchestration and automation:** centralized policy definitions, workflow-based automation, and true zero-touch provisioning, accelerating deployments of new branch locations and applications and lowering costs.
- **Secure access service edge (SASE):** enables a SASE architecture, based on integrated best-of-breed SD-WAN and cloud-delivered security services.

### THE CHALLENGE

When all applications were hosted in the enterprise data centers, branch traffic was backhauled with security primarily enforced at data center egress points. In today's enterprise, applications are everywhere and users can access applications from anywhere, from any device, further complicating the security model and creating IT challenges.

Plus the dissolving enterprise security perimeter increases the attack surface to cloud applications and client devices. In addition, the branch edge requires manual configuration for redirecting traffic to the cloud SaaS-based security. The need for per-branch configuration and monitoring is complicated, error prone and creates additional security risk.

### NETSKOPE WITH VERSA NETWORKS

While enterprises could deploy next-generation firewalls at every branch, that model is costly to deploy and complex to manage. To address these challenges, centrally orchestrated cloud-hosted security services, such as those available from Netskope, have emerged.

## CAPABILITIES

### MIGRATION TO THE CLOUD DRIVING WAN AND SECURITY TRANSFORMATION

Migrating applications to the cloud presents a number of challenges. Latency influences the end-user application experience; cloud-hosted applications perform better when users connect directly over the internet from the branch site or home office. The traditional approach of backhauling all application traffic through an enterprise data center via an expensive MPLS connection only adds to the latency, degrading application performance and quality of experience and introducing security risks. Adoption of local internet breakout to cloud-hosted (IaaS) and SaaS applications directly from branch locations and home offices optimizes available bandwidth and reduces latency that can lower user productivity.

The cloud-first paradigm calls for new methods to secure access to hundreds or thousands of cloud applications. Traditionally, when applications were hosted within

the enterprise data center, guarding the enterprise against the unsafe internet meant deploying expensive firewalls. But to deliver a high-quality experience for cloud-hosted applications, enterprises need a secure and high-performance network, built on a highly available foundation that can support local internet breakouts from the branch or home office reliably while protecting businesses from threats. Advanced SD-WAN solutions allow enterprises to intelligently break out cloud-bound traffic locally from branch sites over the internet. Additionally, the ability to support micro-segmentation capabilities and granular policy enforcement enables enterprises to secure their WAN, adhere to compliance mandates, and defend against breaches. And the comprehensive cloud-delivered security service from Netskope protects users when accessing cloud applications from a remote location or home office. Together, Netskope and Versa Networks deliver a SASE architecture that uniquely addresses evolving business needs of today's cloud-first, flexible enterprises.

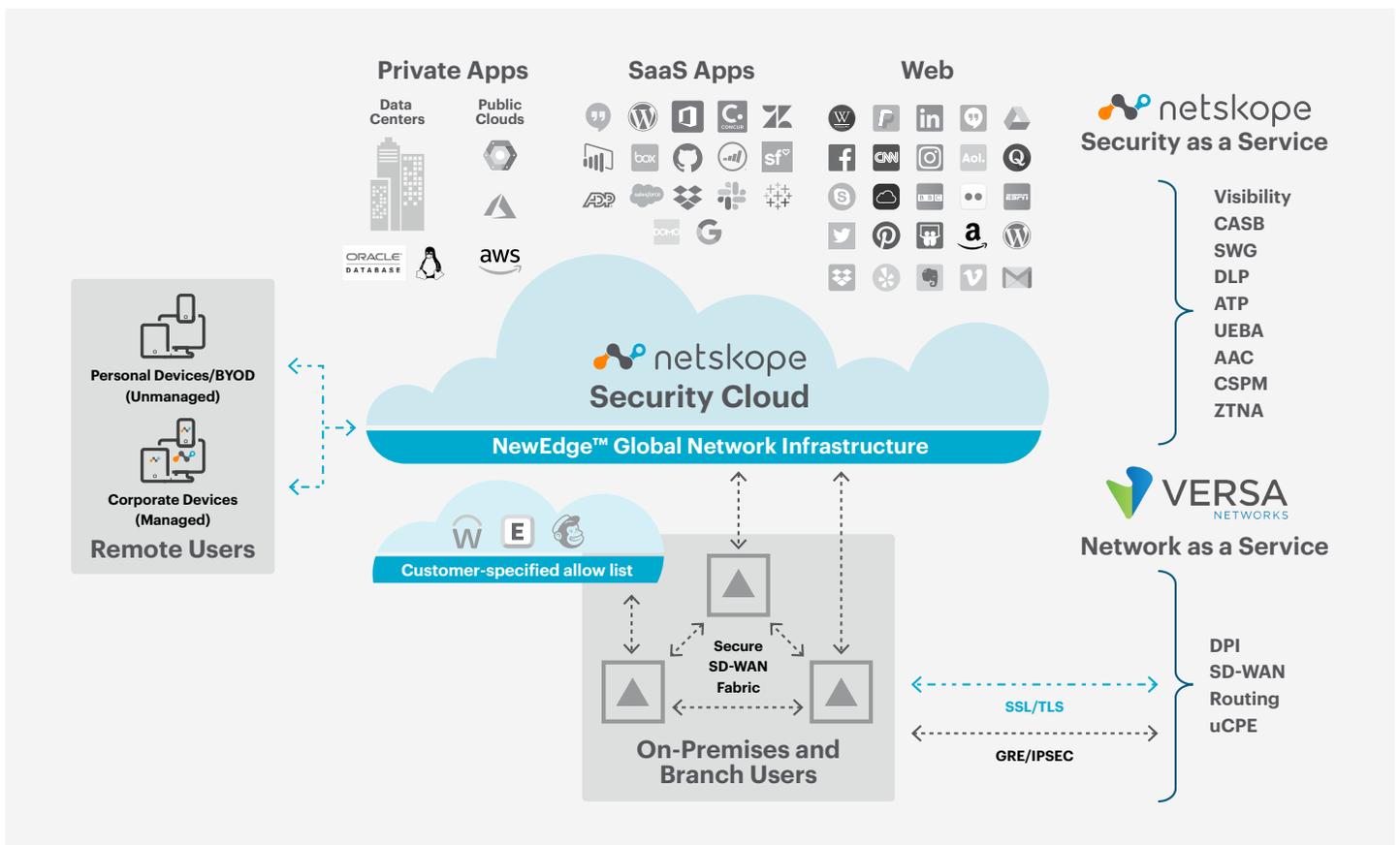


FIGURE 1: Netskope Security Cloud integration with Versa Secure SD-WAN

## **SECURE WAN ACCESS WITH VERSA NETWORKS AND NETSKOPE**

Cloud-hosted security services, such as Netskope, have emerged to provide a superior security solution for cloud-first enterprises. Centrally managed cloud-delivered security services supply protection for all users, supported by consistent policies and policy enforcement across hundreds or thousands of sites—without buying, deploying, or managing any physical security appliances.

To connect to the enterprise network, Versa Secure SD-WAN provides a software-defined WAN network that has:

- Application and performance aware private connectivity
- End-to-end multi-tenant branch segmentation with separate control plane, management plane, and data plane
- Integrated enterprise routing capabilities
- On-premises or cloud-hosted single-pane management visibility
- F-500/carrier grade high-availability and performance

Ensuring optimal and safe SaaS performance over the internet is far more complicated than conventional applications that run over an MPLS or private network. The challenge is that even if IT managers can identify the SaaS application, they may be unable to improve its performance since network performance is critical to SaaS, and the internet does not provide the same level of SLAs as MPLS services. Versa Networks offers full networking capabilities that optimize application delivery for the best user experience.

## **SCALABLE, COMPREHENSIVE BUSINESS CONNECTIVITY AND SECURITY**

The Versa Secure SD-WAN platform streamlines the WAN edge infrastructure at branch locations. The Versa Networks platform provides optimal networking services by delivering high performance, reliable access to public cloud services, private data centers, and SaaS-based enterprise applications for branch offices, headquarters, and users. Integration with the Netskope security cloud supplies complementary security services, including a next-generation SWG, an advanced CASB, both with API-enabled and inline protections, plus comprehensive data and threat protection for users, applications, and data on any device anywhere. These security services are all managed from a single console with unified policy controls and intuitive reports and dashboards for SaaS, IaaS, and web environments. The integrated Versa Networks and Netskope solution delivers the promise of SASE architecture: a thin branch WAN edge with comprehensive cloud-delivered security and management.

Versa Secure SD-WAN supports physical and virtual appliances that deliver consistent, highly available application performance, even for latency-sensitive applications such as voice and video. Versa Networks appliances link to create an SD-WAN fabric and communicate via secure IPSec tunnels to the Netskope security cloud.

By connecting to the enterprise data center, branch offices access on-premises data center-hosted applications and route to the Netskope NewEdge network infrastructure when accessing cloud applications and services. Similarly, headquarters-based application traffic traverses the SD-WAN fabric for branch access and travels through the NewEdge network infrastructure when accessing cloud apps. Versa Networks continuously monitors the entire SD-WAN fabric and underlying WAN transport services and automatically adapts to changing conditions to deliver optimal application performance, even when network changes, or if congestion or impairments occur.

## **SIMPLIFIED DEPLOYMENT FOR BRANCH SITES OR REMOTE WORKERS**

From the Versa Networks platform, IT can configure tunnels from each branch site to the NewEdge network, where the Netskope cloud-delivered security service applies granular security controls and advanced data and threat protection. IT centrally defines the business-driven policies that dictate how applications are delivered across the SD-WAN fabric via orchestration. From a single pane of glass, IT can quickly define QoS policies, failover prioritization, and service chaining to third-party network and security services, such as Netskope. With Versa Networks Analytics, historical and real-time dashboards display a metrics for network health, application and network performance, and WAN transport service performance.

Remote users outside of the Versa Networks fabric can connect directly to the Netskope Security Cloud via encrypted SSL/TLS communications for security protections. Remote workers using corporate or managed devices are assigned the lightweight Netskope Client, which steers all traffic to the Netskope cloud, delivers consistent notifications to end users for coaching and guidance when users violate a policy, and provides user identity with no additional setup by the customer. Remote workers in branch offices or those using personal or

**Versa Secure SD-WAN integrated with cloud-hosted security services from Netskope protects, optimizes, and streamlines the WAN edge, delivering on the promise of SASE.**

unmanaged devices are directed to Netskope via its reverse proxy functionality where subsequent security controls are applied. The reverse proxy is also used where the client device is not using the Netskope client.

Together, Versa Networks and Netskope simplify and streamline the integration of cloud-native security functions with optimized, full-featured SD-WAN capabilities. Both vendors fulfill and support the Gartner SASE design philosophy in which cloud managed network services (e.g., WAN optimization, acceleration, segmentation, and basic stateful firewall) are combined with cloud-native, converged single-pass security controls (e.g., CASB, SWG, and DLP) to offer organizations the highly scalable, fast, and secure environment they need to protect users and data wherever they are.

## **ABOUT VERSA NETWORKS**

Versa Networks, the leader in Secure SD-WAN and SASE, combines full-featured SD-WAN, complete integrated security, advanced scalable routing, genuine multi-tenancy, and sophisticated analytics both on-premises and in the cloud to meet WAN Edge and SASE requirements for small to extremely large enterprises and Service Providers. Versa Secure SD-WAN and Versa SASE are available on-premises, hosted through Versa-powered Service Providers, cloud-delivered, and via the simplified Versa Titan cloud service designed for Lean IT. Thousands of customers globally with hundreds of thousands of sites trust Versa with their networks, security, and clouds.



The Netskope security cloud provides unrivaled visibility and real-time data and threat protection when accessing cloud services, websites, and private apps from anywhere, on any device. Only Netskope understands the cloud and takes a data-centric approach that empowers security teams with the right balance of protection and speed they need to secure their digital transformation journey. Reimagine your perimeter with Netskope.