Solution Overview

For supported software information, click here.

Recent years have seen a rapid increase in the adoption of cloud computing and the widespread proliferation of mobile devices to deliver business and consumer applications. Enterprises have traditionally relied primarily on MPLS VPN to establish secure connections between their data center and branch offices sites. However, as more devices and applications have been added and as applications have shifted from running only in private data centers to also operating in multiple clouds, connecting users and devices to applications now challenges the traditional network and centralized security architecture. The need to simplify, scale, and secure the network has created a requirement for innovative new approaches.

Today, enterprises are increasingly looking for distributed internet access at all sites, and they rely on dedicated internet connections to access software as a service (SaaS) applications and multi-cloud environments. MPLS VPNs continue to provide site-to-site connectivity for appropriate applications (for example, voice, video, or critical business applications). This use of multiple WAN connections and distributed internet access, combined with the need to reduce cost and complexity while maintaining security, has transformed the network and security architecture.

Service providers and enterprises are adopting software-defined networking (SDN)–based solutions to provide managed services faster and with greater agility. These SDN solutions automate the network and security architecture, making it easier to program policies based on the user, device, application, network, and so forth. These solutions provide in-depth visibility and control, and they reduce cost and complexity, thereby shortening the time it takes to deploy the network and making change management quicker and easier.

To address these needs, Versa Networks has designed solutions to transform the way that service providers and enterprises build, deploy, and operate their networks. Versa provides a full-featured, end-to-end set of software-defined products and solutions to help service providers and enterprises move from legacy networking hardware and architectures to more flexible, software-based networks. Versa solutions leverage the rapid advances in SDN, application-aware networking, and automation, combining them with carrier-grade networking and security technologies to create highly scalable and reliable networks.

The Versa Secure Cloud IP Platform is a cloud-native, multitenant software platform that delivers software-defined Layer 3 to Layer 7 services with full programmability and automation. The Secure Cloud IP software platform addresses SD-WAN, SD-Security, and SD-Branch use cases for the WAN edge, delivering multiple functions in a single, unified software platform.

The Versa Secure Cloud IP Platform consists of these solution components:

- Versa Operating System™ (VOS™) device—A VOS device is the multiservice networking and security software platform that provides routing, advanced SD-WAN, and SD-Security in a single software package. A VOS device is deployed in the branch, hub, cloud, and data center.
- Versa Director—Versa Director is a centralized provisioning and management application that allows you to configure, deploy, manage, and orchestrate all your Versa VOS software instances. Versa Director integrates with third-party operations and business systems and with cloud management systems by using open and widely available protocols and API formats.
- Versa Analytics—Versa Analytics is a near real-time analytics engine that provides historical insights into contextual policy-to-event correlation and visibility based on application, user, device, and location.

VOS devices, Versa Director, and Versa Analytics can be deployed on Versa appliances—Cloud Services Gateways (CSGs)—and on Versa-certified x86 third-party white box appliances; in private clouds on hypervisors (KVM and ESXi); and in public clouds (such as AWS, Azure, and Google Cloud Platform).

Supported Software Information

Releases 20.2 and later support all content described in this article.

Additional Information

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