



# Versa Director

## Product Description

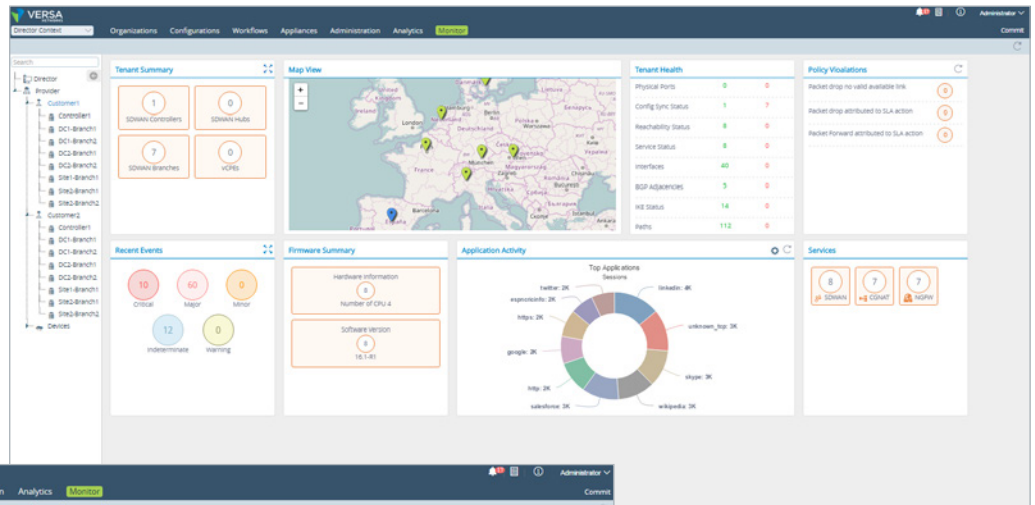
Versa Director is Versa Networks' virtualization and service creation platform that simplifies the creation, automation and delivery of services using Versa WAN edge software, FlexVNF. Versa Director provides the essential management, monitoring and orchestration capabilities needed to deliver Versa's Secure Cloud IP architecture network and security software services. Services supported by Versa include routing and advanced connectivity to direct traffic across multi-link WAN access and simplify control for SD-WAN with embedded advanced security.

Versa Director provides single-pane-of-glass management for connectivity and services. It scales to thousands of end customers or organizations through hierarchical multi-tenancy and role-based administrative capabilities.

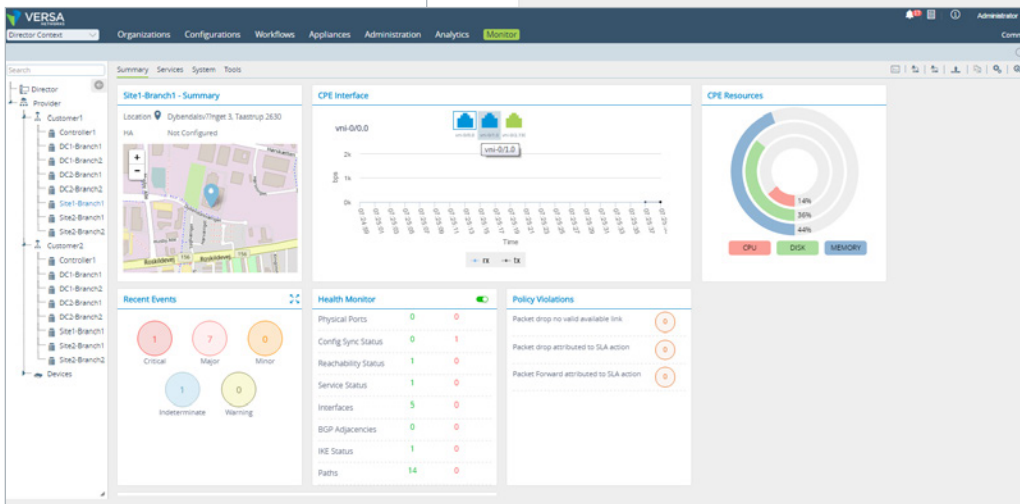
Combined with Versa FlexVNF WAN edge software, Versa Director provides complete VNF infrastructure lifecycle management for bare metal and virtual machine environments, from deployment and configuration to ongoing

monitoring and change management of Versa and third party VNF-based services with automatic actions such as auto-healing and auto-scaling.

Versa Director also provides a rich set of interfaces for effective integration with third party products and services. Versa Director supports service definitions including Versa and third party service components, enabling flexible service chain creation and deployment. In addition, utilizing open and widely available protocol and API formats allows for tight integration with operations and business systems. The result is rapid delivery and simplified ongoing management of Versa-based services, from basic connectivity to advanced SD-WAN and branch security.



**Versa Director Tenant Level Monitoring Dashboard**



**Versa Director SD-WAN Appliance Level Monitoring Dashboard**

## Feature Support Details

<b>Policy</b>	<b>Administration</b>	<b>Service Chaining Support</b>
Centralized policy management - policy locking, versioning	Inventory management	Service chaining policy definition for FlexVNFs and third party VNFs
CRUD operations on users, roles, capabilities	Software management/upgrades	<b>Deployment Options</b>
VNF placement support using resource pools	Client and secure API management for third party integration	Bare metal
<b>Operations</b>	User-management and AAA integration - Radius/LDAP/TACACS+	Virtual machine
VNF life cycle management	Role-based access control	Public Cloud (AWS, Azure)
uCPE cloudinit support for VNF instantiation	High availability (Active/Standby only) and disaster recovery	<b>Cloud Management Systems</b>
Hierarchical Template-based provisioning	Configuration audit logs	VMware vCloudDirector, vCenter
FlexVNF configuration management, backup, restore, archive, rollback	Licensing and usage reporting	OpenStack, VMware Integrated OpenStack
Hierarchical multi-tenancy support and tenant management	SSO (Single-Sign-On) support via SAML	Bare metal services with local cloud abstraction
Service catalogs, subscription plans for tenants - specify flavors, policies	Licensing and Entitlement management	Amazon Web Services cloud API Integration
Service orchestration	<b>Monitoring</b>	Microsoft Azure cloud API Integration
Rest APIs for all operations	FlexVNF monitoring - System, Cluster, Interface, Alarms	<b>Third Party Overlay Integration</b>
FlexVNF management using industry standard NetConf (RFC 6241)	Service monitoring - SNMP MIBs, counters, statistics	VMware NSX, Nokia Nuage, Open Contrail, OpenDaylight (ODL)
Web-based graphical user interface (GUI)	Auto-healing	<b>OSS/BSS and Orchestration Integration</b>
	AMQP based notifications	Amdocs NCSSO, NEC NetCracker, Ciena BluePlanet, Ubiquiti, Cisco NSO, Ericsson ECM,

## About Versa Networks

Versa Networks is a leading innovator in the SD-WAN and SD-Security market. Versa's solutions enable service providers and large enterprises to transform enterprise WAN's to achieve unprecedented business advantages. Versa's carrier-grade cloud-native software platform provides unmatched agility, cost savings and flexibility, transforming the business of networking. The company is backed by premier venture investors Sequoia, Mayfield, Artis Ventures and Verizon Ventures. For more information, visit <https://www.versa-networks.com>

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