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.
Feature Support Details

### Policy
- Centralized policy management – policy locking, versioning
- CRU operations on users, roles, capabilities
- VNF placement support using resource pools

### Operations
- VNF life cycle management
- uCPE cloudInit support for VNF instantiation
- Hierarchical Template-based provisioning
- FlexVNF configuration management, backup, restore, archive, rollback
- Hierarchical multi-tenancy support and tenant management
- Service catalogs, subscription plans for tenants – specify flavors, policies
- Service orchestration
- Rest APIs for all operations
- FlexVNF management using industry standard NetConf (RFC 6241)
- Web-based graphical user interface (GUI)

### Administration
- Inventory management
- Software management/upgrades
- Client and secure API management for third party integration
- User-management and AAA integration – Radius/LDAP/TACACS+
- Role-based access control
- High availability (Active/Standby only) and disaster recovery
- Configuration audit logs
- Licensing and usage reporting
- SSO (Single-Sign-On) support via SAML
- Licensing and Entitlement management

### Monitoring
- FlexVNF monitoring – System, Cluster, Interface, Alarms
- Service monitoring – SNMP MIBs, counters, statistics
- Auto-healing
- AMQP based notifications

### Service Chaining Support
- Service chaining policy definition for FlexVNFs and third party VNFs

### Deployment Options
- Bare metal
- Virtual machine
- Public Cloud (AWS, Azure)

### Cloud Management Systems
- VMware vCloudDirector, vCenter
- OpenStack, VMware Integrated OpenStack
- Bare metal services with local cloud abstraction
- Amazon Web Services cloud API Integration
- Microsoft Azure cloud API Integration

### Third Party Overlay Integration
- VMware NSX, Nokia Nuage, OpenContrail, OpenDaylight (ODL)

### OSS/BSS and Orchestration Integration
- Amdocs NCSO, NEC NetCracker, Ciena
- BluePlanet, Ubiquube, Cisco NSO, Ericsson ECM

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**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](https://www.versa-networks.com)

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