

Versa Director

Product Description

The transformation to network function virtualization (NFV) brings a new way of deploying, delivering and operating network connectivity and security services. The move to more open, programmable, and automated networks is now viewed as a necessity to meet the evolving needs of end customers, who have grown increasingly accustomed to the agility and flexibility provided by the cloud. With NFV, network operators and enterprise users are reducing their dependencies on single-purpose appliances by implementing the network functions in software that runs on industry-standard servers and white box platforms. With this major paradigm shift in network functions, managing the network and resources requires a paradigm shift as well to enable the rapid design, automation and programmable service delivery to leverage the full potential of NFV.

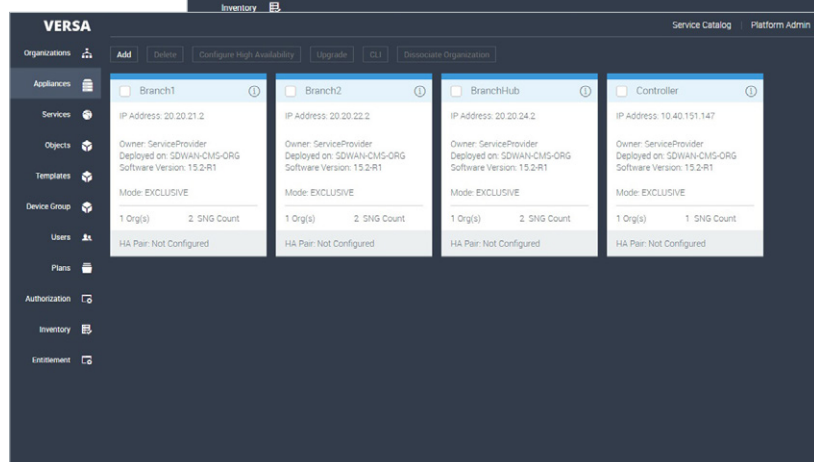
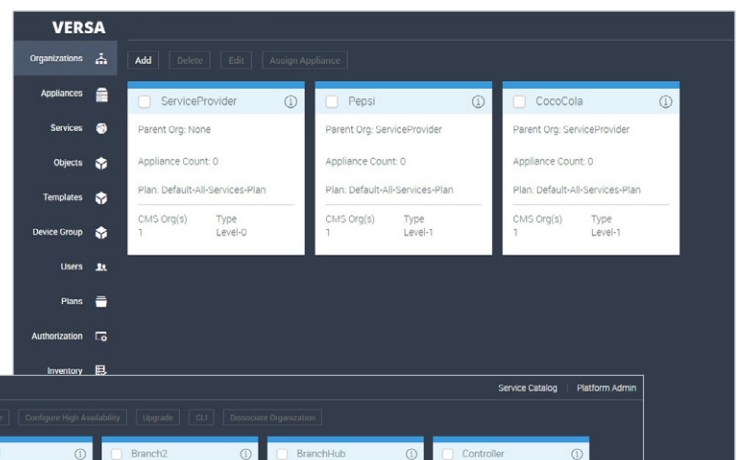
Versa Director is Versa Networks' virtualization and service creation platform that simplifies the creation, automation and delivery of services using Versa FlexVNF. Versa Director provides the essential management and orchestration capabilities needed to deliver Versa's VNF-based network and security services to unfold a thin branch as well as a thick branch. Services supported by Versa includes routing and connectivity to direct Internet access and control and SD-WAN with layered security.

Versa Director provides a single pane of management for connectivity and services. It scales to thousands of end customers through multi-tenancy and role-based administrative capabilities. Combined with Versa FlexVNF 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. Versa Director supports service definitions including Versa and third party service components, enabling flexible service 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.

Tenant Dashboard



SD-WAN Appliances Dashboard

Product Features

Policy
Centralized policy management – policy locking, versioning
CRUD operations on users, roles, capabilities
VNF placement support using resource pools
Operations
VNF life cycle management
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 and disaster recovery
Configuration audit logs
Licensing and usage reporting

Monitoring
FlexVNF monitoring – System, Cluster, Interface, Alarms
Service monitoring – SNMP MIBs, counters, statistics
Auto-healing
AMQP based notifications
Elasticity Support
Policy-based auto and administrative scale-out/scale-in of FlexVNFs
Service Chaining Support
Service chaining of FlexVNFs and third party VNFs
FlexVNF Deployment Options
White box
Bare metal
Virtual machine
Containers
Cloud Management Integration
VMware vCloudDirector, vCenter
OpenStack, VMware Integrated OpenStack
Bare metal services with local cloud abstraction
Overlay Integration
NSX, Nuage, Open Contrail, ODL
OSS/BSS and Orchestration Integration
Ciena BluePlanet, Ubiquiti, Cisco NSO, Ericsson ECM, Alcatel Cloudband, NEC NetCracker

System Requirements

Versa Director supports both bare metal & VM deployments

Storage
120 GB. SSD, SATA/SAS drives. SSD is recommended.
Processor
2 socket server - 8 cores per socket or greater, Intel Xeon 64bit processor
RAM
32GB - 64GB

Operating System
Ubuntu 14.04
Web Browser
Chrome, Firefox

About Versa Networks

Founded by network industry veterans, Versa Networks is an innovative vendor in the NFV and virtualized network functions (VNF) market. Versa solutions allow service providers and large enterprises to transform the WAN and branch network to achieve unprecedented business advantages. Versa's software-based approach provides unmatched agility, cost savings and flexibility vs. traditional network hardware. The company is backed by premier venture investors Sequoia, Mayfield and Verizon Ventures.



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