Versa Secure SD-WAN Configuration and Administration V22

Course Overview

This three-day course is designed to provide participants with an understanding of the Versa Networks Software Defined Security features and functions that are part of the Versa Operating System (VOS™), and the methods of configuring, managing, and monitoring the Secure SD-WAN through the VOS CLI, Versa Director, and Versa Analytics.

The course puts these concepts into practice with step-by-step, hands-on lab exercises which allow participants to gain conceptual and practical knowledge and skills in the configuration, deployment, administration, and monitoring of the Versa Secure SD-WAN.

This course is based on VOS 22.

Course Objectives

- Describe the control and data planes of the Versa Secure SD-WAN solution
- Become efficient in using the Versa Director user interface
- Create, modify, and delete templates using Device Template Workflows
- Create, modify, and delete appliances using Device Workflows
- Describe the functionality of full mesh and hub-and-spoke topologies
- Configure full mesh and hub-and-spoke topologies
- Import and export device configurations
- Describe and configure Direct Internet Access
- Configure IPsec and GRE static tunnels
- Configure SNMP monitoring functions
- Configure LAN-facing interface properties, including BGP and VRRP
- Manage software patches and upgrades, and upgrade CPE devices using Versa Director
- Monitor and analyze network performance using Versa Director and Versa Analytics
- Use built-in diagnostic tools to test network reachability and performance

Course Length

3 Days

Target Audience

This course is designed for engineers who plan, implement, and services Versa SD-WAN or vCPE networks. Target roles include Systems Engineers, Network Engineers, Network Security Specialists, Field Engineers, Technical Support personnel, Channel Partners and resellers.

Course Prerequisites

Participants should have a basic to intermediate level knowledge of IP networking, routing fundamentals, routing protocols, and basic IPsec and encapsulation/tunneling concepts.
Additionally, it is recommended that participants complete the following free, self-paced online courses:

- Versa Essentials
- Versa SD-WAN Basics
- Versa Secure SD-WAN Provisioning
- Versa Analytics Basics

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Course Content

Day 1	Day 2

• Versa Control and Data Planes
• Versa Director User Interface
  • Lab: Versa Director User Interface
• Device Templates
• Service Templates
• Template Workflows
• Device Workflows
  • Lab: Workflows and Templates
• Device Workflow Example
• Device Onboarding
  • Lab: Device Onboarding
• Topologies:
  • Full Mesh
  • Spoke to Hub Only
  • Spoke to Spoke via Hub
  • Spoke to Spoke Direct
  • Hub Controllers
  • Lab: Topologies
	• Full Mesh Topologies
	• Hub and Spoke Topologies
	• Hub Controllers
	• Lab: Topologies
	• DIA Services
	• Lab: DIA Services
	• LAN Connection Configuration
	• Tunnel Configuration
	• RMA Process

Day 3	

• Device Management
• Software Management
  • Lab: Configuration Management
• Realtime Statistics
• Analytics Statistics
  • Lab: Statistics and Monitoring
• SNMP
• Troubleshooting Tools
  • Lab: Troubleshooting Tools	

Delivery Options

3-day Instructor Led Training (ILT) or Instructor Led Online (ILO)

Course includes access to the online self-paced version of the course for 1 year for reference and study.

Lab Overview

The labs in this course provide hands-on instruction in the use of Versa Director for configuration and monitoring of an SD-WAN environment, including using Versa Director, creating device templates and devices using workflows, managing device configurations, software, and alarms, and monitoring the performance and status of the SD-WAN.

Lab Topology Type: Cloud based lab shared environment with multi-tenancy.

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