

Versa Advanced SD Security (V-ASEC)

Course Overview

This two-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 security services 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 SD Security features.

This course is based on VOS 20.2.

Course Objectives

- Describe the security features and functions of a Versa Networks SD-WAN solution
- Configure and deploy a Versa Networks SD-WAN security with the following features and functions:
 - Stateful Firewall (L3/L4)
 - SSL Inspection
 - SSL Decryption (Forward and Full Proxy)
 - Application Identification and control
 - URL filtering based on URL strings, risk factors, URL categories, and reputations
 - Captive Portal
 - IP Filtering based on reputation and geo-location
 - User and Group Authentication (Active Directory Integration)
 - Anti Virus support
 - IDP (deep packet inspection) features and functions
 - Web Proxy
 - Service Pack installation and updates
- Monitoring security functions through Versa Director and Versa Analytics

Course Length

2 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.

Participants should be capable of configuring basic templates and workflows in Versa Director, and should be familiar with device deployment.

Course Content

Day 1	Day 2
Course Introduction	Applications and Application Filters Lab: Application Filtering
Security Services Overview	URL Profiles and URL Filters Lab: URL Filtering
Metadata for Security Processes and SPACK Lab: Security Packages and Updates	IP Address Profiles and Filters Lab: IP Filtering
Data Decryption for Inspection	User and Group Authorization
Configuring Decryption Profiles Lab: SSL Inspection and Decryption	Antivirus Lab: Antivirus
Stateful Firewall Lab: Configuring Stateful Firewall	Intrusion Detection and Prevention
DDoS Protection Lab: DoS Protection	Web Proxy
	Captive Portal Lab: Captive Portal
	Security monitoring and Analytics

Delivery Options

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

Course includes soft copies of the student guides and lab guides (protected PDF) and a limited printing capability.

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 using Versa Workflows, and configuring and monitoring standard and advanced security features.