

# Versa Advanced SD Security (V-ASEC)

## Course Overview

This four-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 benefits of an SD-WAN solution
- Describe the components of the Versa Networks SD-WAN solution
- 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 and REST API integration
  - Third party logging and visibility integration

## Course Length

4 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 Versa Essentials online course, although this is not required.

## Course Content

Day 1	Day 2	Day 3	Day 4
Course Introduction	Lab: Stateful Firewall Lab: Zone Protection Lab: DoS Protection	Application Identification and Control Lab: Application Control	Intrusion Detection and Prevention Lab: Antivirus and IDP
Introduction to Versa Secure SD-WAN	SSL Inspection	IP Filtering Lab: IP Filtering	Web Proxy
Versa Director User Interface	SSL Decryption Lab: SSL Inspection and Decryption	NGFW Sample Case	Service Packages (SPACK)
Introduction to Versa Security	User and Group Authorization	Antivirus	Monitoring and REST Integration
Workflows and Templates Lab: Workflows and Templates	URL Filtering and Captive Portal Lab: Captive Portal Lab: URL Filtering		Third Party Integration and Monitoring
Stateful Firewall Overview			
Configuring Stateful Firewall			

### Delivery Options

4-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.

**Lab Topology Type:** Individual

**Number of Lab Exercises:** 10

