

# Versa Advanced Services

## Course Overview

This one-day course is designed to provide participants with an understanding of the Versa Networks Software Defined Services that are part of the Versa Operating System (VOS™), and the methods of configuring, managing, and monitoring Secure SD-WAN services through 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 services.

This course is based on VOS 21.2.

## Course Objectives

- Describe Class of Service features, functions, and role in the network;
- Configure Class of Service, CoS Profiles, queuing and scheduling functions;
- Describe how SD-WAN policy can be used to manage network traffic;
- Configure SD-WAN policy and traffic steering;
- Describe how Versa Networks implements SLA monitoring of transport links;
- Configure and verify SLA probe configuration and SLA monitoring policies and profiles;
- Describe Policy Based Routing
- Describe the security services available in the Versa Operating System;
- Configure basic security services and rules.

## Course Length

1 Day

## Target Audience

This course is designed for engineers who plan and implement 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 an intermediate level knowledge of IP networking, routing fundamentals, routing protocols, and basic IPsec and encapsulation/tunneling concepts. They should have knowledge of the Versa Secure SD-WAN solution, how to create and deploy device templates and configurations.

Additionally, it is recommended that participants complete the following free, self-paced online courses:

- Versa Secure SD-WAN Configuration and Administration

## Course Content

### Day 1

- **Course Introduction**
- **Class of Service Concepts**
- **Configuring Class of Service**
- **Lab: Configuring Class of Service**
- **Adaptive Shaping**
- **Lab: Configuring Adaptive Shaping**
- **Traffic Steering and SLA Monitoring**
- **Lab: Traffic Steering and SLA Monitoring**
- **Policy Based Routing**
- **Security Services**
- **Lab: Configuring basic security services**

## Delivery Options

1 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.

Self Paced On-Demand

## 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 the configuration of Class of Service functions, Adaptive Shaping, Application and Traffic Steering (SD-WAN Policy), and basic security services.

**Lab Topology Type:** Shared Environment

**Number of Lab Exercises:** 4