

# VMware SD-WAN by VeloCloud: Design and Deploy [V3.x]

Price  
**\$2,775.00**

Duration  
**3 Days**

Delivery Methods  
**VILT, Private Group**



Customers demand a scalable, secure, and manageable VMware SD-WAN™ by VeloCloud®. To deliver a successful solution you must understand VMware SD-WAN architecture, know how the features can solve customer use cases, and be able to design a VMware SD-WAN that can be easily deployed, managed, and expanded.

## Agenda

### 1 - COURSE INTRODUCTION

- Introductions and course logistics
- Course objectives

### 2 - ARCHITECTURE AND CORE FEATURES

- Evaluate the current state of the enterprise WAN and limitations for growth
- Describe the key components and features of the VMware SD-WAN architecture
- Explain VMware SD-WAN component placement and interactions between components
- List VMware SD-WAN core value differentiators
- Describe VMware SD-WAN core features
- Evaluate the effect of VMware SD-WAN differentiators on a SD-WAN site deployment

### 3 - VMWARE SD-WAN MSP USE CASES, DEPLOYMENT MODELS, AND LICENSE MODELS

- Compare VMware SD-WAN use cases
- List VMware SD-WAN deployment models
- Describe each VMware SD-WAN license model

### 4 - ZERO TOUCH PROVISIONING

- Provision VMware SD-WAN Edges
- Describe the workflow of a VMware SD-WAN Edge activation.

- Provision a VMware SD-WAN Virtual Edge on VMware ESXi™

## **5 - VMWARE SD-WAN CLOUD VPN**

- Configure the VMware SD-WAN Cloud VPN
- Consider the availability settings when deploying a Cloud VPN
- Describe the packet flow in a Cloud VPN

## **6 - ROUTING AND BRANCH DESIGN**

- Control SD-WAN overlay and underlay route advertisement
- Overlay flow control
- Describe best practices when designing VMware SD-WAN with BGP
- Evaluate branch design options

## **7 - VMWARE SD-WAN SECURITY**

- Explain VMware SD-WAN security architecture
- Describe VMware SD-WAN Edge security capabilities

## **8 - HIGH AVAILABILITY DESIGNS**

- Distinguish between Standard and Enhanced High Availability (HA) and Virtual Router Redundancy Protocol (VRRP)

## **9 - DESIGNING FOR PERFORMANCE AND SCALE**

- List the SD-WAN factors that influence scalability and performance
- Describe VMware SD-WAN Edge Clustering

## **10 - STANDING UP A PARTNER GATEWAY**

- Describe VMware SD-WAN Gateway functionality and roles
- Provision a VMware SD-WAN Gateway from VMware SD-WAN Orchestrator
- Demonstrate the procedure to install a VMware SD-WAN Gateway on ESXi
- Describe how BGP works together with a Partner Gateway hand-off

## **11 - MSP OPERATIONS AND VERSION MANAGEMENT**

- Identify the appropriate documentation
- Demonstrate account management
- Describe the VMware SD-WAN upgrade sequence
- Demonstrate a VMware SD-WAN Edge and VMware SD-WAN Gateway upgrade