Course Overview

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.

Course Objectives

By the end of this course, you should be able to meet the following objectives:

- Explain VMware SD-WAN architecture
- Outline VMware SD-WAN key components
- Discuss various Managed Service Provider (MSP) use cases and deployment options
- Deploy VMware SD-WAN Gateway, and VMware SD-WAN Edge
- Manage VMware SD-WAN Cloud VPN
- Design VMware SD-WAN for performance and scalability
- Configure the Partner Gateway handoff

Target Audience

Any Managed Service Provider who is designing VMware SD-WAN solutions or managing SD-WAN networks for their customers

Prerequisites

- Deep understanding of routing and switching technologies
- Deep understanding of security solutions, including VPN technologies
- Completion of the VMware SD-WAN VTSP Accreditation
- Completion of the VMware SD-WAN by VeloCloud: Deploy and Manage course

Course Delivery Options

- Classroom
- Live Online
- Onsite

Product Alignment

- VMware SD-WAN by VeloCloud
Course Modules

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

Contact
If you have questions or need help registering for this course, click here.