

Module 1: Course Introduction

- Introductions and course logistics
- Course objectives

Module 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

Module 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

Module 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™

Module 5: VMware Horizon Desktops

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

Module 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

Module 7: VMware SD-WAN Security

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

Module 8: High Availability Designs

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

Module 9: Designing for Performance and Scale

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

Module 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 SDWAN Gateway on ESXi
- Describe how BGP works together with a Partner Gateway hand-off

Module 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