vmware® LEARNING

VMware SD-WAN by VeloCloud: Design and Deploy

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

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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.