Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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

CODE:	LENGTH:	PRICE:
VMW_SDWANDD3	24 Hours (3 days)	£2,930.00

Description

This 3-day course equips Managed Service Providers with the knowledge, skills, and abilities to deploy VMware SD-WAN by VeloCloud. You develop an infrastructure using key VMware SD-WAN components such as Gateway and Edge. You learn about VMware SD-WAN design and best practices.

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 MSP use cases and deployment options
- • Deploy VMware SD-WAN Gateway, and VMware SD-WAN Edge
- • Manage VMware SD-WAN Gateways and Edges
- • Design and best practice for VMware SD-WAN

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

Programme

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

- • Describe VMware SD-WAN MSP use cases
- • List VMware SD-WAN deployment models
- • Describe each VMware SD-WAN topology model

4 Zero Touch Provisioning

- • Provision a VMware SD-WAN Edge
- • Describe the provisioning process for a VMware SD-WAN Edge
- • Deploy a VMware SD-WAN Virtual Edge on ESXi

5 VMware SD-WAN Cloud VPN

- • Configure Cloud VPN
- • Consider the options of Cloud VPN
- • Describe packet flow in Cloud VPN

6 Routing and Branch Design vCloud Director Networking

- • Control SD-WAN overlay and underlay route advertisement
- • Interpret overlay flow control
- • Demonstrate best practice when using BGP in SD-WAN design
- • Evaluate branch design options

7 VMware SD-WAN Security

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

8 HA Designs

- • Distinguish between standard and enhanced HA and VRRP

9 Designing for Performance and Scale

- • List the SD-WAN factors that influence scale and performance
- • Compare VMware SD-WAN Edge models and their scale and performance
- • Describe VMware SD-WAN Edge Clustering

10 Standing up a Partner Gateway

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

11 MSP Operations and Version Management

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

Session Dates

On request. Please Contact Us

Additional Information

This training is also available as onsite training. Please contact us to find out more.