TRAINING OFFERING

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VMware NSX: Design and Deploy [V6.2]

CODE:	LENGTH:	PRICE:
VM-NSXDD62-OE	40 Hours (5 days)	$4,625.00

Description

This 5-day course prepares you to lead VMware NSX® design and deployment projects by providing an understanding of general design processes and frameworks. You look at the design and deployment considerations for network virtualization as part of an overall software-defined data center design.

Objectives

By the end of the course, you should be able to meet the following objectives:
• Understand and apply a design framework
• Apply a design process for gathering requirements, constraints, assumptions, and risks
• Analyze existing physical networking and security components, processes, and operations
• Design a VMware vSphere® virtual data center to support VMware NSX requirements
• Design a physical network to support network virtualization in a software-defined data center
• Design logical network services
• Design logical security services
• Design a data center rack solution to support scalability and high availability
• Identify management, monitoring, and operational tools for a proposed solution
• Analyze the operational readiness of an organization and perform a skills gap analysis
• Analyze alternative design choices for risk mitigation

Audience

Network professionals who have experience working with VMware NSX and are responsible for designing or deploying virtualized network architecture

Prerequisites

• Understanding of enterprise switching and routing
• Knowledge of TCP/IP services
• Experience with firewalls and firewall rule sets
• Understanding of concepts presented in the VMware Data Center Virtualization Fundamentals course or VCA-DCV certification

Programme

1.Course Introduction
◦Introductions and course logistics
◦Course objectives

2.Software-Defined Data Center
◦Describe the evolution of the software-defined data center
◦Describe VMware vSphere®
◦Describe VMware NSX

3.Management and Control Plane Components
◦Understand the management, control, and data planes
◦Describe VMware NSX® Manager™
◦Describe the VMware NSX® Controller™ cluster

4.Logical Switch Networks
◦Describe Ethernet fundamentals
◦Describe VMware vSphere® Distributed Switch™
◦Describe switch link aggregation
◦Describe VLAN
◦Describe VXLAN logical switch networks
◦Describe VMware NSX Controller replication

7.NSX Edge Gateway Services
◦Describe network address translation
◦Describe load balancing
◦Describe high availability

5.VMware NSX Logical Routing

6.VMware NSX L2 Bridging

◦Describe virtual private networking

◦Discuss routing protocols
◦Describe the VMware NSX logical router
◦Describe the NSX Edge services gateway

◦Understand L2 bridging and use cases
◦Describe L2 software bridging
◦Describe L2 hardware bridging

◦Configure L2 VPN
◦Configure IPsec VPN
◦Configure SSL VPN-Plus

8.VMware NSX Firewall and Security Services
◦Describe the NSX Edge firewall
◦Describe the VMware NSX distributed firewall
◦Describe VMware NSX data security
◦Describe the Service Composer
◦Describe the identity-aware firewall

9.Cross-vCenter VMware NSX
◦Understand the cross-vCenter VMware NSX feature
◦Identify the benefits of the cross-vCenter VMware NSX feature
◦Configure the cross-vCenter VMware NSX feature
◦Discuss the deployment models for cross-vCenter VMware NSX

Session Dates

On request. Please Contact Us

Additional Information

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