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Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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VMware NSX for Internetworking Experts Fast Track [V6.0]

CODE:	LENGTH:	PRICE:
VM-NSX-FT-6-OE	40 Hours (5 days)	$6,475.00

Description

This comprehensive, fast-paced training course is designed for advanced Cisco network administrators who want a comprehensive understanding of how to use VMware NSX™ in their enterprise. This course focuses on how to use the power of the NSX network virtualization and security platform. This course covers NSX as a part of the software-defined data center, implementation, use cases, features, and functionality operating at layer 2 through layer 7 of the OSI model. Data center network architectures are examined to demonstrate how NSX intersects with and virtualizes functions of a Cisco-based infrastructure in spine-leaf and traditional core-aggregate-access architectures. Lecture and hands-on lab activities support your understanding of NSX features, functionality, and on-going management and control.

This course requires a solid background in a Cisco-based infrastructure. If you do not have this background, you should take the NSX: Install, Configure, Manage [V6.0] course.

Objectives

• Describe the evolution of the software-defined data center
• Describe how NSX is the next step in the evolution of the software-defined data center
• Describe Cisco Nexus and UCS products and features relevant to NSX
• Describe NSX layer 2 networking
• Configure, deploy, and use logical switch networks in a UCS environment
• Configure and deploy NSX distributed routers to establish East-West connectivity
• Configure and deploy VMware NSX Edge™ services gateway appliances to establish North-South connectivity
• Configure and use all the main features of the NSX Edge services gateway
• Configure NSX Edge firewall rules to restrict network traffic
• Configure NSX Distributed firewall rules to restrict network traffic
• Use role-based access to control user account privileges

Audience

Experienced system administrators who specialize in networking

Prerequisites

• Experienced network administrators or system administrators with a strong background in networking
• Understanding of concepts presented in the VMware Data Center Virtualization Fundamentals course for VCA-DCV certification

Programme

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

2.VMware NSX Components for Management and Control
◦Introduction to VMware vSphere® virtualization
◦Evolution of the software-defined data center
◦Introduction to NSX
◦VMware NSX Manager™
◦VMware NSX Controller™ cluster

3.Logical Switch Network
◦Ethernet fundamentals
◦Overview of VMware vSphere® Distributed Switch™
◦Link aggregation
◦VLAN
◦VXLAN: logical switch networks

4.Nexus and UCS Architecture
◦Cisco Nexus switching architecture
◦Cisco UCS connectivity architecture
◦Cisco UCS profiles

5.VMware NSX Routing
◦NSX routing
◦NSX logical router
◦Layer 2 bridging
◦NSX Edge services gateway

7.VMware NSX Security
◦NSX Edge firewall
◦NSX Distributed firewall
◦Role-based access control
◦Service Composer
◦Security Monitoring

6.VMware NSX Edge Services Gateway Features
◦Network address translation
◦Load balancing
◦High availability
◦NSX Edge and VPN

8.Extensibility and Design
◦NSX API
◦NSX and Cisco design options

Session Dates

On request. Please <u>Contact Us</u>

Additional Information

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