
VMware NSX-T Data Center: Install Configure Manage

Duración: 5 Días **Código del Curso: VMNSX-TICM** **Version: 2.4**

Temario:

This five-day course provides comprehensive training on how to administer a VMware NSX-T™ environment. This course covers key VMware NSX® features and functionality offered in the NSX-T 2.4 release operating across layer 2 through layer 7 of the OSI model. Access to a software-defined data center environment is provided through hands-on labs to reinforce the skills and concepts presented in the course.

Product Alignment
- NSX-T 2.4

Dirigido a:

Experienced system or network administrators.

Objetivos:

- By the end of the course, you should be able to meet the following objectives:
 - Understand NSX-T key features and functionality
 - Understand NSX-T architecture and component subsystems
 - Identify the differences between NSX-T and the NSX-V and VMware NSX® Multi-Hypervisor™ platforms
 - Deploy and configure overlay layer 2 networks
 - Understand logical routing implementation and architecture enhancements
 - Understand distributed firewall implementation and policy rules
 - Gather relevant information from the NSX platform during troubleshooting scenarios
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Prerequisitos:

- 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
 - Understanding of the concepts presented in the VMware Introduction to Network Virtualization with NSX course
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Contenido:

NSX-T Introduction

- Introductions and course logistics
- Review course objectives

Architecture and Components

- Describe the architecture of NSX-T
- Identify the key components of NSX-T architecture
- Explain the role of each component
- Describe how the component subsystems interact

Installation and Upgrade

- Install NSX-T
- Configure NSX-T components
- Identify upgrade paths
- Describe the UI

Logical Switching

- Explain logical switching terminology
- Describe NSX host switching
- Explain transport zones and logical switch wiring
- Explain the concepts of MAC learning, Geneve overlay technology, IP discovery, and management (MP, CCP, DP)
- Describe the workflows of logical switching (MP, CCP, DP)
- Describe how BUM traffic is handled
- Explain logical switching packet walks
- Fetch important log files from the appropriate log locations

Logical Routing

- Describe logical routing in NSX-T inclusive of its taxonomy, types, and components
- Explain how wiring of logical routers works
- Describe deployment architectures
- Demonstrate an understanding of edge nodes and edge clusters
- Describe logical routing topologies
- Differentiate between NSX-T and NSX-V
- Locate important log files

Advanced Logical Routing

- Describe and deploy single- or two-tier routing models with tenant and provider services
- Identify layer 3 packet flow in an NSX-T environment under various scenarios
- Explain high availability for logical router components (active-active and active-passive)
- List NAT types and NAT packet flows

NSX Security and Distributed Firewall

- Describe the features and capabilities of the distributed firewall
- Explain firewall architecture
- Explain firewall rules and groupings
- Describe the flow of rule provisioning and troubleshoot it
- Switch security profiles

Operations, Monitoring, and Troubleshooting

- Check port connectivity between VMs
- Check the flow of packets and mirror them
- Capture packets and check their statistics
- Configure the Syslog server and collect NSX-T logs
- Back up and restore NSX-T service

Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

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