

VMware NSX-T: Install, Configure, Manage (NSXTICM)

ID NSXTICM Prix 3 440,- € (Hors Taxe) Durée 5 jours

A qui s'adresse cette formation

Experienced system or network administrators

Pré-requis

- 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

Objectifs

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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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

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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

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Centres de formation dans le monde entier



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