

## 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

### Contenu

#### 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

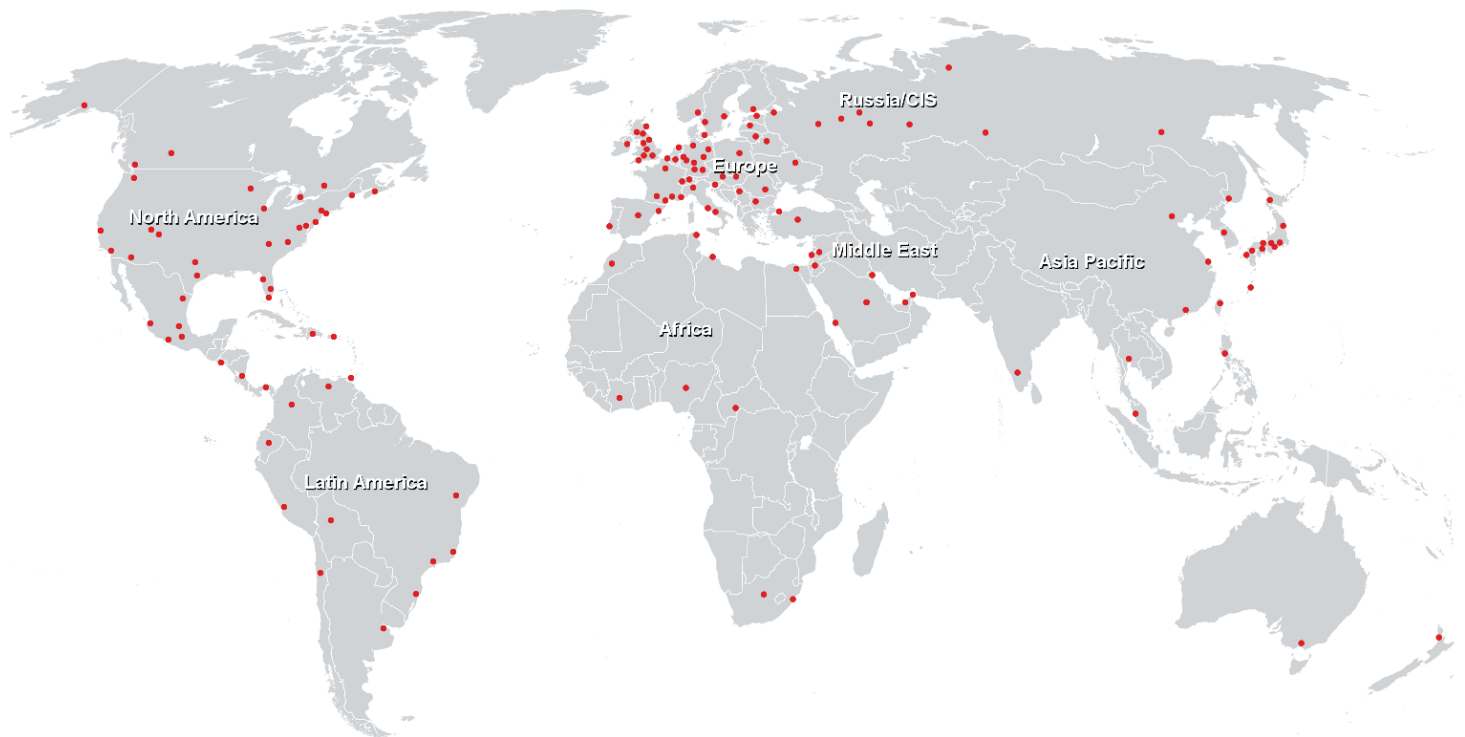
- Explain firewall architecture
- Explain firewall rules and groupings
- Describe the flow of rule provisioning and troubleshoot it
- Switch security profiles

## 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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