VMware NSX-T Data Center: Multisite Deployments with Federation (MSDNNSXF)

ID MSDNNSXF   **Price** 3,750.— €(excl. tax)   **Duration** 3 days

Course Overview

This three-day, hands-on training course provides you with the knowledge and skills to achieve competency in deploying, configuring, and managing the VMware NSX-T™ Data Center Federation. This course first introduces you to the architecture of the NSX-T Data Center Federation and then covers all features and functionality offered in the Federation, including the deployment of logical switching, logical routing, and security policies across multiple sites. Finally, the course describes various disaster recovery scenarios for the Federation.

Product Alignment

- VMware NSX-T Data Center 3.1

Who should attend

Network administrators, IT managers, VMware partners, and individuals responsible for implementing and managing the NSX-T Data Center Federation.

Prerequisites

Before taking this course, you should complete the VMware NSX-T Data Center: Install, Configure, Manage [V3.0] course.

You should also have the following understanding or knowledge:

- Good understanding of TCP/IP services and protocols
- Knowledge and working experience of computer networking, including switching and routing technologies (L2-L3) and L2-L7 firewall
- Knowledge and working experience of VMware vSphere® environments

The VMware Certified Professional – Network Virtualization (2021) certification is recommended.

Course Objectives

By the end of the course, you should be able to meet the following objectives:

- Describe the Federation architecture and use cases
- Deploy and configure Global Managers and sites
- Import network components from the Local Manager to a Global Manager
- Describe different topologies and deployment methods
- Describe layer 2 connectivity
- Describe East-West routing
- Describe North-South routing
- Configure security regions, groups, and rules
- Describe various Disaster Recovery scenarios

Course Content

Course Introduction

- Introductions and course logistics
- Course objectives

Introduction to Federation

- Describe the Federation and its use cases
- Explain the Federation architecture
- Describe the Federation components
- Deploy and register active/standby Global Managers and sites
- Import network components from a Local Manager to the Global Manager

Federation Deployment and Topologies

- Explain different supported and non-supported topologies for the Federation
- Describe different deployment methods for the Federation
- Create and configure Remote Tunnel Endpoints (RTEs)

Configuring Federation Switching and Routing

- Understand the prerequisites to configure stretched segments, Tier-1, and Tier-0 gateways

- Configure stretched Tier-1 gateways
- Configure stretched segments
- Configure stretched Tier-0 uplinks
- Configure stretched Tier-0 gateways

Federation Packet Walks

- Describe layer 2 connectivity and MAC learning
- Describe East-West packet walkthrough
- Describe South-North packet walkthrough

Federation Security

- Describe Federation security
- Explain different configuration workflows for Federation security
- Define Federation security components
- Configure security groups, policies, and rules from the Global Manager
- Discuss examples of groups in different spans
- Discuss global rule realization examples

High Availability and Disaster Recovery

- Describe high availability leading practices in the Federation
- Describe failure and disaster recovery scenarios for the Federation

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