

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

ID MSDNNSXF Price on request Duration 3 days

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

Training Centres worldwide



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