VMware NSX-T Data Center: Migration from NSX Data Center for vSphere (NSXTVS)

ID NSXTVS **Price** 2,250.— €(excl. VAT) **Duration** 3 days

Who should attend

- Experienced system administrators and network administrators
- Network and security professionals who work with enterprise and data center networks

Prerequisites

Before taking this course, you should have completed the VMware NSX-T Data Center: Install, Configure, Manage [V3.2] (NSXTICM32) 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)
  - Network and application delivery services (L4-L7)
- Knowledge of and working experience with VMware vSphere® environments

The VMware Certified Professional – Network Virtualization (2020) certification is recommended.

Course Objectives

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

- Contrast the NSX-T Data Center architecture with the architecture of NSX Data Center for vSphere
- Understand the networking and security features of NSX-T Data Center
- Compare In-Place and Lift and Shift migration approaches
- Describe the networking topologies supported by the Migration Coordinator
- Perform In-Place migrations using the Migration Coordinator
- Troubleshoot In-Place migrations

- Describe Lift and Shift migration tools and techniques
- Troubleshoot Lift and Shift migrations

Course Content

Course Introduction

- Introduction and course logistics
- Course objectives

Introduction to NSX-T Data Center

- Describe the motivation for migrating to NSX-T Data Center
- Contrast the NSX-T Data Center architecture with the architecture of NSX Data Center for vSphere.
- Describe the logical switching components in NSX-T Data Center
- Describe the components and functions of NSX-T Data Center logical routing
- Describe the security features of NSX-T Data Center
- Explain the implementation of networking services in NSX-T Data Center

Migration Techniques

- Describe In-Place migration
- Describe Lift and Shift migration
- Compare migration approaches
- Determine the best migration strategy based on requirements

In-Place Migration Topologies

- Identify the NSX Data Center for vSphere topologies supported by the Migration Coordinator
- Explain how network and security objects are translated from NSX Data Center for vSphere to NSX-T Data Center

In-Place Migration Using the Migration Coordinator

- Describe prerequisites for In-Place migration
- Prepare the NSX Data Center for vSphere environment for migration with the Migration Coordinator
- Migrate the NSX Data Center for vSphere environment with

the Migration Coordinator
- Perform post-migration tasks
- Describe the vSphere Networking Migration feature

Troubleshooting In-Place Migration

- Troubleshoot issues based on the In-Place migration workflow
- Identify log files used in troubleshooting In-Place migration
- Identify and resolve common issues related to the Migration Coordinator

Lift and Shift Migration Approaches

- Describe prerequisites for Lift and Shift migrations
- Perform Lift and Shift migrations using L2 bridging
- Perform Lift and Shift migrations using VMware HCX
- Compare migration using L2 Bridging and VMware HCX®

Troubleshooting Lift and Shift Migration

- Troubleshoot Lift and Shift migration problems
- Identify log files used in troubleshooting Lift and Shift migrations
- Identify and resolve common issues related to Lift and Shift migrations.

Training Centres worldwide

Fast Lane Institute for Knowledge Transfer GmbH

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

info@flane.ch, https://www.flane.ch