Migration from VMware NSX for vSphere to NSX-T («VMMIGR»)

This three-day, hands-on training course provides you with the skills, techniques, and tools required to successfully migrate your current VMware NSX® Data Center for vSphere® environment to VMware NSX-T™ Data Center.

Duration: 3 days
Price: 2'550.–
Course documents: Original electronic VMware courseware (eKit)

Content

1. Course Introduction
   - Introduction and course logistics
   - Course objectives
2. Introduction to NSX-T Data Center
   - Describe the motivation for migrating to NSX-T Data Center
   - Contrast NSX-T Data Center and NSX Data Center for vSphere architectures
   - 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
3. Migration Approaches
   - Describe the end-to-end migration approach
   - Describe the lift-and-shift migration approach
   - Compare the migration approaches
   - Determine the best migration strategy based on customer requirements
4. Fixed Topologies for Migration
   - Identify the NSX Data Center for vSphere fixed network topologies that can be migrated to NSX-T Data Center without a user-defined topology
   - Explain how network and security objects from the fixed topologies are translated from NSX Data Center for vSphere to NSX-T Data Center
5. End-to-End Migration
   - Describe the prerequisites for end-to-end migration
   - Prepare the NSX Data Center for vSphere environment for migration
   - Prepare the NSX-T Data Center environment for migration
   - Migrate the NSX Data Center for vSphere environment with the migration coordinator using a fixed topology
   - Migrate the NSX Data Center for vSphere environment with the migration coordinator using a user-defined topology
   - Perform postmigration tasks
6. Other Migration Modes
   - Describe the steps to migrate NSX Data Center for vSphere when integrated with VMware vRealize® Automation™
   - Describe the Edge Cutover migration mode
   - Describe the Distributed Firewall migration mode
   - Describe the Distributed Firewall, Host, and Workload migration mode
   - Describe the vSphere Networking migration feature
7. Lift-and-Shift Migration
   - Describe the prerequisites for lift-and-shift migrations
   - Configure L2 bridging in preparation for lift-and-shift migrations
   - Migrate the network and security configuration
   - Migrate workloads

- - Describe the DFW-only migration mode
8. Troubleshooting Migrations
    - Troubleshoot migration problems
    - Identify the log files used in troubleshooting
    - Identify and resolve common issues related to migrations
9. Cross-vCenter NSX to NSX Federation Migration
    - Contrast cross-vCenter NSX and NSX Federation architectures
    - Describe the steps for a multisite migration
    - Demonstrate how to perform a cross-vCenter NSX to NSX Federation migration

Key Learnings

- Contrasting NSX-T Data Center and NSX Data Center for vSphere architectures
- Understanding the networking and security features of NSX-T Data Center
- Comparing end-to-end and lift-and-shift migration approaches
- Identifying common fixed network topologies supported in end-to-end migrations
- Performing end-to-end migrations for fixed and user-defined topologies
- Describing other migration modes supported by the migration coordinator
- Describing lift-and-shift migration techniques
- Troubleshooting common problems with end-to-end and lift-and-shift migrations
- Describing the steps to perform a cross-vCenter NSX to NSX Federation migration

Target audience

This course is aimed at experienced system administrators and network administrators as well as network and security professionals who work with enterprise and data center networks.

Certification

VMware Certification: Here you can find an overview of VMware Certification. All detailed information on the official VMware Certification website.

Additional information

In this course you will receive electronic course materials. The documents will be sent to you by VMware prior to the course to the address you provided when you registered. You have the option of bringing your own tablet or laptop so that you can read the content and exercises in parallel to your lessons. In addition, you have your documents already saved in the right place.

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-it-provider/vmware/vmware-nsx-t-and-nsx/course-migration-from-vmware-nsx-for-vsphere-to-nsx-t