



VMware Course Overview

VMware NS is used for network virtualization and security purpose in software defined data centers where NS brings virtualization for transforming network operations.

An individual will be able to install and configure NSX as well how to manage and gain control on VMware NS V 6.2 based networks only after the completion of this training. This video will help you to know more about its services step by step and upgrade your practical knowledge too.

What you will learn?

- Introduction to VMware NS course
- Brief Knowledge of vSphere Networking
- Detailed overview about NS
- NS setup like installation, configuration and managing
- NS logical networks lecture
- From basic to advance level brief information about NS logical routing
- Understanding NS layer 2 bridging
- NS edge VPN services lecture
- Hands-on lecture on NS security services

Requirements:

- Good Knowledge of internet and networking
- Virtualization and it's concepts basic knowledge

Online Weekend Classes

Study Material:- Live lectures, Streaming Recorded Videos, Online Lab Workbook, and Remote Virtual Lab access.

Duration:- 1 Month

About trainer:

The instructor of this VMware training is an industry professional and has explained each and every topic in-depth with his excellent working knowledge on different networking platforms. He has given his best to transform an individual into a skilled VMware professional.

Course Content

- Introduction to VMware NSX
- Course Introduction
 - Introductions and course logistics
 - Review course objectives
- Introduction to vSphere Networking
 - Describe VMware vSphere networking components
 - Describe vSphere standard switches
 - Describe vSphere distributed switches
- Introduction to NSX
 - Describe the benefits of NSX
 - Identify NSX key use cases
- NSX Architecture
 - Describe the NSX architecture
 - Describe the cloud management, management, control, and data planes of NSX
 - Identify the component interactions
 - Describe the VMware NSX Controller cluster and its functions
 - Explain the NSX Controller workload distribution
- NSX Infrastructure Preparation
 - Explain the steps required for an NSX installation
 - Describe what is involved in planning an NSX deployment
 - Describe the NSX Controller cluster and deployment
 - Describe NSX Controller cluster high availability and load distribution
 - Explain how to deploy and configure the NSX Controller cluster
 - Explain the workflow involved in host preparation
- NSX Logical Switch Networks
 - Explain transport zones, VXLANs, and VXLAN tunnel end points (VTEPs)
 - Describe the procedure for preparing the infrastructure for virtual networking
 - Describe the configuration of vSphere distributed switches for VXLAN
 - Identify the components involved in NSX logical switching
 - Identify the components involved in NSX logical switching
- NSX Logical Routing
 - Explain the east-west and north-south routing concepts
 - Define the NSX distributed logical router
 - Explain the logical router, interfaces, and interface addresses
 - Describe the management and control plane interaction
 - Describe logical router deployment models and two-tier routing for east-west traffic
 - Explain the common topologies of an NSX Edge services gateway

- Advanced NSX Logical Routing
 - Describe how routers connect remote networks
 - Explain route redistribution methods
 - Describe less-than-or-equal (LE) and greater-than-or-equal (GE) configurations
 - Describe routing event notification enhancements
 - Configure equal-cost multipath (ECMP) routing
 - Describe high availability for NSX Edge service gateways
- NSX L2 Bridging
 - Describe the NSX Edge Services
 - Explain how Network Address Translation (NAT) works
 - Explain NAT64
 - Explain the function of load balancing
 - Explain one-armed and inline load-balancing architectures
 - Explain the DHCP and DNS services for NSX Edge
- NSX Edge VPN Services
 - Describe the NSX Edge VPNservices
 - Describe the VPN use cases
 - Configure a L2 VPN on an NSX Edge instance
 - Configure an NSX Edge instance for IPsec VPN services
 - Explain NSX Edge SSL VPN-Plus services
 - Configure NSX Edge SSL VPN-Plus server settings
- NSX Security Services
 - Describe the policy enforcement of the distributed firewall
 - Describe virtualization context-awareness
 - Explain custom network and security containers
 - Describe the architecture of an NSX Edge firewall
 - Explain DHCP snooping
 - Explain ARP snooping

Note: ***Most of the course topics are covered with hands-on lab exercises and others are theoretical

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