

VMware NSX: Install, Configure, Manage [V4.0]

Section 1: Course Introduction

1. Course Introduction

Section 2: VMware Virtual Cloud Network and NSX

1. VMware Virtual Cloud Network and NSX

Section 3: Preparing the NSX Infrastructure

1. Deploying the NSX Management Cluster
2. Navigating the NSX UI
3. Lab 1 - Reviewing the Lab Environment and Topologies
4. Lab 2 - Reviewing the Configuration of the Pre-deployed NSX Manager Instance
5. Lab 3 - Deploying a Three-Node NSX Management Cluster
6. Preparing the Data Plane - Part 1
7. Preparing the Data Plane - Part 2
8. Lab 4 - Preparing the NSX Infrastructure

Section 4: NSX Logical Switching

1. Overview of Logical Switching Architecture
2. Configuring Segments
3. Configuring Segment Profiles
4. Logical Switching Packet Forwarding
5. Lab 5 - Configuring Segments

Section 5: NSX Logical Routing

1. Overview of Logical Routing
2. NSX Edge and Edge Clusters
3. Lab 6 - Deploying and Configuring NSX Edge Nodes
4. Configuring Tier-0 and Tier-1 Gateways
5. Lab 7 - Configuring the Tier-1 Gateway
6. Configuring Static and Dynamic Routing
7. Lab 8 - Creating and Configuring a Tier-0 Gateway with OSPF
8. Lab 9 - Configuring the Tier-0 Gateway with BGP
9. ECMP and High Availability
10. Logical Routing Pack Walk - Part 1
11. Logical Routing Pack Walk - Part 2
12. VRF Lite

Section 7: NSX Logical Bridging

1. NSX Logical Bridging

Section 8: NSX Firewalls

1. NSX Segmentation
2. NSX Distributed Firewall - Part 1
3. NSX Distributed Firewall - Part 2
4. Lab 11 - Configuring the NSX Distributed Firewall
5. Use Case for Security in Distributed Firewall on VDS

6. NSX Gateway Firewall
7. Lab 12 - Configuring the NSX Gateway Firewall

Section 9: NSX Advanced Threat Prevention

1. NSX Intrusion Detection and Prevention - Part 1
2. NSX Intrusion Detection and Prevention - Part 2
3. Lab 13 - Configuring Distributed Intrusion Detection and Prevention
4. NSX Application Platform
5. Lab 14 - Simulation – Deploying NSX Application Platform
6. NSX Malware Prevention
7. Lab 15 - Simulation – Configuring Malware Prevention for East-West Traffic
8. NSX Intelligence
9. NSX Network Detection and Response
10. Lab 16 - Simulation – Using NSX Network Detection and Response to Detect Threats

Section 10: NSX Services

1. Configuring NAT
2. Lab 17 - Configuring Network Address Translation
3. Configuring DHCP and DNS Services
4. Configuring NSX Advanced Load Balancer - Part 1
5. Configuring NSX Advanced Load Balancer - Part 2
6. Lab 18 - Configuring NSX Advanced Load Balancer
7. IPSec VPN
8. L2 VPN

Section 11: NSX User and Role Management

1. Integrating NSX with VMware Identity Manager
2. Integrating NSX with LDAP
3. Managing Users and Configuring RBAC
4. Lab 20 - Managing Users and Roles