

# VMware NSX: Install, Configure, Manage V6.x

## VMware NSX: Install, Configure, Manage V6.x

This five-day, comprehensive, fast-paced training course presents VMware NSX® as a part of the software-defined data center. You will learn how to use logical switching in NSX to virtualize your switching environment. The course also details logical routing to enable you to dynamically route between different virtual environments. You will also learn how to use gateway services, firewall configurations, and security services to help secure and optimize your NSX environment.

Access to a software-defined data center environment is provided through hands-on labs to reinforce the skills and concepts presented in the course.

This course prepares you for the following certification:

- VMware Certified Professional 6 – Network Virtualization (VCP6-NV)

### Kursinhalt

- Modul 1: Course Introduction
- Modul 2: Introduction to vSphere Networking
- Modul 3: Introduction to NSX
- Modul 4: NSX Architecture
- Modul 5: NSX Infrastructure Preparation
- Modul 6: NSX Logical Switch Networks
- Modul 7: NSX Logical Routing
- Modul 8: Advanced NSX Logical Routing
- Modul 9: NSX L2 Bridging
- Modul 10: NSX Edge Services
- Modul 11: NSX Edge VPN Services
- Modul 12: NSX Security Services
- Modul 13: NSX Advanced Security Services
- Modul 14: NSX Introspection Services
- Modul 15: Cross-vCenter NSX

**E-Book** Jeder Teilnehmer erhält englischsprachige Unterlagen von VMware als E-Book.

### Zielgruppe

- Experienced system or network administrators

### Voraussetzungen

- Understanding of enterprise switching and routing
- Knowledge of TCP/IP services
- Experience with firewalls and firewall rule sets
- Understanding of concepts presented in the VMware Data Center Virtualization Fundamentals course
- Understanding of the concepts presented in the VMware Introduction to Network Virtualization with NSX self-paced-course

Stand 19.05.2019

### Dieser Kurs im Web



Alle tagesaktuellen Informationen und Möglichkeiten zur Bestellung finden Sie unter dem folgenden Link: [www.expertech.de/go/VNS1](http://www.expertech.de/go/VNS1)

### Vormerkung

Sie können auf unserer Website einen Platz kostenlos und unverbindlich für 7 Tage reservieren. Dies geht auch telefonisch unter 06074 4868-0.

### Garantierte Kurstermine

Für Ihre Planungssicherheit bieten wir stets eine große Auswahl garantierter Kurstermine an.

### Ihr Kurs maßgeschneidert

Diesen Kurs können wir für Ihr Projekt exakt an Ihre Anforderungen anpassen.

Training	Preise zzgl. MwSt.	
<b>Classroom Training</b>	<b>5 Tage</b>	<b>€ 3.495,-</b>
<b>Online Training</b>	<b>5 Tage</b>	<b>€ 3.495,-</b>
<b>Termin/Kursort</b>		
20.05.-24.05.19	München	01.07.-05.07.19 Schwalbach
24.06.-28.06.19	Hamburg	30.09.-04.10.19 Wien
01.07.-05.07.19	 Online	



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## VMware NSX: Install, Configure, Manage V6.x

- 1. Course Introduction**
  - Introductions and course logistics
  - Course objectives
- 2. Software-Defined Data Center**
  - Describe the software-defined data center concepts
  - Describe the evolution of the software-defined data center
  - Discuss VMware vSphere® virtualization
  - Describe network virtualization
- 3. Networking Fundamentals**
  - Describe Ethernet switching fundamentals
  - Describe the vSphere virtual networking
  - Describe the vSphere distributed switches
  - Identify the data center network topologies that are optimized for network virtualization
- 4. Management and Control Planes**
  - Describe the role of VMware NSX Manager™ and VMware NSX Controller™
  - Identify NSX Controller clustering best practices
  - Deploy the NSX Manager instance and the NSX Controller cluster
- 5. Logical Switch Networks**
  - Describe VXLAN protocol
  - Identify VTEP functions
  - Describe how NSX logical switches process Broadcast, Unknown unicast, and Multicast traffic
  - Describe ARP suppression
  - Compare unicast, multicast, and hybrid controller replication modes
- 6. Distributed Logical Router**
  - Identify supported dynamic routing protocols
  - Describe the role of the NSX logical router and NSX Edge gateway
  - Diagram East-West and North-South traffic flows
  - Describe the distributed logical router
  - Describe the distributed logical router control virtual machine
- 7. NSX Edge Routing and High Availability**
  - Describe the features of the NSX Edge services gateway
- 8. Virtual Private Networks**
  - Configure static and dynamic routing on NSX Edge
  - Describe NSX Edge network address translation operation
  - Describe NSX Edge one-arm and inline load balancing
  - Compare NSX Edge high availability modes
  - Scale and place NSX Edge appliances
- 9. Layer 2 Bridging**
  - Identify NSX VPN use cases
  - Configure site-to-site IPsec VPNs
  - Configure SSL VPNs for remote access
  - Configure Layer 2 VPN
- 10. NSX Security**
  - Describe microsegmentation
  - Compare NSX Edge and NSX Distributed Firewalls to traditional firewalls
  - Configure NSX firewall policies
  - Extend the functionality of NSX with Service Composer
  - Configure security groups and security policies with Service Composer
- 11. Operations**
  - Implement NSX role-based access control
  - Analyze NSX flow monitoring data
  - Create or modify firewall rules from NSX flow monitoring data
- 12. Automation**
  - Describe VMware vRealize™ Orchestrator™
  - Describe the vRealize Automation capabilities
  - Describe how vRealize Automation and NSX interact



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