

VMware NSX: Install, Configure, Manage

Delivery Methods

- Classroom
- Live Online
- [Onsite](#)

Course Duration

- Five (5) days of instructor-led classroom training
- 50% lecture, 50% hands-on lab

Target Audience

Experienced system administrators that specialize in networking

Course Suitability

- | | |
|---|--|
| <input checked="" type="checkbox"/> Administrator | <input type="checkbox"/> Expert |
| <input checked="" type="checkbox"/> Engineer | <input type="checkbox"/> Advanced |
| <input type="checkbox"/> Architect | <input checked="" type="checkbox"/> Professional |
| | <input type="checkbox"/> Fundamentals |

Prerequisites

- System administration experience on Microsoft Windows or Linux operating systems
- Understanding of concepts presented in the [VMware Data Center Virtualization Fundamentals](#) course for [VCA-DCV certification](#)

Certifications

For more information, go to [VMware Certification](#).

Pricing

Contact your VMware representative or a VMware Authorized Training Center™ for pricing information.

More Information

Courses are conveniently scheduled around the world. Go to [VMware Education](#) to find the class that is right for you.



Course Overview

This comprehensive, fast-paced training course focuses on installing, configuring, and managing VMware NSX™. This course covers NSX as a part of the software-defined data center platform, implementation use cases along with features of NSX, and functionality operating at Layer 2 through Layer 7 of the OSI model. Lecture and hands-on lab activities support the student's understanding of VMware NSX features, functionality, and on-going management and control.

For advanced course options, go to www.vmware.com/education.

Course Objectives

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

- Describe the evolution of the software-defined data center
- Describe how NSX is the next step in the evolution of the software-defined data center
- Describe data center prerequisites for NSX deployment
- Configure and deploy NSX components for management and control
- Describe basic NSX layer 2 networking
- Configure, deploy, and use logical switch networks
- Configure and deploy NSX distributed router appliances to establish East-West connectivity
- Configure and deploy VMware NSX Edge™ services gateway appliances to establish North-South connectivity
- Configure and use all main features of the NSX Edge services gateway
- Configure NSX Edge firewall rules to restrict network traffic
- Configure NSX distributed firewall rules to restrict network traffic
- Use role-based access to control user account privileges
- Use activity monitoring to determine whether a security policy is effective
- Configure service composer policies

Course Modules

<p>1 Course Introduction</p> <ul style="list-style-type: none"> • Introductions and course logistics • Course objectives 	<p>4 Routing with VMware NSX Edge Appliances</p> <ul style="list-style-type: none"> • Routing protocols primer • NSX logical router • NSX Edge services gateway
<p>2 VMware NSX Components for Management and Control</p> <ul style="list-style-type: none"> • Introduction to VMware vSphere® Virtualization • Evolution of the software-defined data center • Introduction to NSX • VMware NSX Manager™ • NSX Controller cluster 	<p>5 Features of the VMware NSX Edge Services Gateway</p> <ul style="list-style-type: none"> • Network address translation • Load balancing • High availability • Virtual private networking <ul style="list-style-type: none"> - Layer 2 VPN - IPsec VPN - SSL VPN-Plus • VLAN-to-VXLAN bridging
<p>3 Logical Switch Networks</p> <ul style="list-style-type: none"> • Ethernet fundamentals • VMware vSphere® Distributed Switch™ overview • Switch link aggregation • VLAN • VXLAN: Logical Switch Networks • VMware NSX Controller™ replication 	<p>6 VMware NSX Security</p> <ul style="list-style-type: none"> • NSX Edge firewall • NSX distributed firewall • Role-based access control • NSX data endpoint • Flow Monitoring • Service Composer



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