

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



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