

VMware NSX: Micro-Segmentation

Course Overview

In this intensive three-day course, you will explore the security-focused features of VMware NSX® 6.3, including the distributed firewall and the Service Composer, to help drive your microsegmentation deployment to success.

Course Objectives

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

- Describe the software-defined data center
- Explain the NSX components and their function in the infrastructure
- Deploy NSX for microsegmentation
- Describe the distributed firewall architecture
- Configure and manage NSX with VMware vSphere® Web Client
- Configure distributed firewall policies
- Use the Service Composer to automate security policy application
- Understand partner integration workflows
- Troubleshoot the distributed firewall from the VMware ESXi™ command-line interface (CLI)
- Troubleshoot the distributed firewall from the NSX central CLI

Target Audience

Experienced system administrators, network administrators, and engineers or system integrators responsible for implementing security policy in the software-defined data center

Prerequisites

You should understand security concepts.

Certifications

No certifications are tied to this course.

Course Delivery Options

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

Product Alignment

- NSX 6.3

Course Modules

1 Course Introduction

- Introductions and course logistics
- Course objectives
- Describe the content of this course
- Familiarize yourself with the benefits of the VMware Education Learning Zone
- Identify additional resources

2 NSX and the Software-Defined Data Center

- Describe the software-defined data center
- Understand the differences in security approach between the traditional data center and the software-defined data center

3 Management Plane Components

- Understand the management, control, and data planes
- Describe VMware NSX® Manager™
- Describe the NSX infrastructure and component communications
- Install NSX components for host preparation
- Troubleshoot host preparation problems
- Introduce the NSX central CLI

4 Data Plane Components

- Describe the distributed firewall components and explain how they communicate with each other
- Validate proper functioning of data plane components through the ESXi CLI
- Validate proper functioning of data plane components through the NSX central CLI

5 NSX Edge Firewall

- Describe the NSX Edge firewall
- Explain how the distributed firewall and NSX Edge firewall rules are managed by NSX Manager
- Validate and troubleshoot the NSX Edge firewall through the NSX Edge CLI

6 NSX Distributed Firewall

- Describe the NSX distributed firewall
- Explain how NSX service chaining dynamically responds to changing security conditions

- Explain how the distributed firewall, the filtering module, and traffic redirection modules work together
- Use the ESXi CLI to troubleshoot the distributed firewall
- Use the NSX central CLI to troubleshoot the distributed firewall

7 NSX Service Composer

- Describe the Service Composer
- Describe the Service Composer architecture
- Explain how NSX service chaining dynamically responds to changing security conditions
- Use the Service Composer to create dynamic security policy

8 NSX Identity-Based Firewalling

- Describe the identity-aware firewall
- Configure the NSX identity-based firewall

9 NSX Partner Integration Solutions

- Explain the architecture of Guest Introspection with third-party devices
- Explain how the distributed firewall, the filtering module, and traffic redirection modules work together

Contact

If you have questions or need help registering for this course, click [here](#).



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