# VMware NSX: Design [V4.x] Training

Duration: **5 Day**

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## Overview

This five-day course provides comprehensive training on considerations and practices to design a VMware NSX® environment as part of a software-defined data center strategy. This course prepares the student with the skills to lead the design of an NSX environment, including design principles, processes, and frameworks. The student gains a deeper understanding of the NSX architecture and how it can be used to create solutions to address the customer's business needs.

**Audience**

- Network and security architects and consultants who design the enterprise and data center networks and NSX environments

**Product Alignment**

- VMware NSX 4.1.0

## Prerequisites

Before taking this course, you must complete the following course:

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

You should also have understanding or knowledge of these technologies:

- Good understanding of TCP/IP services and protocols
- Knowledge and working experience of computer networking and security, including:
  - Switching and routing technologies (L2 and L3)
  - Network and application delivery services (L4 through L7)
  - Firewalling (L4 through L7)
  - vSphere environments

The VMware Certified Professional – Network Virtualization certification is recommended.

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## What You Will Learn

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

- Describe and apply a design framework
- Apply a design process for gathering requirements, constraints, assumptions, and risks
- Design a VMware vSphere® virtual data center to support NSX requirements
- Create a VMware NSX® Manager™ cluster design
- Create a VMware NSX® Edge™ cluster design to support traffic and service requirements in NSX
- Design logical switching and routing
- Recognize NSX security best practices
- Design logical network services
- Design a physical network to support network virtualization in a software-defined data center
- Create a design to support the NSX infrastructure across multiple sites
- Describe the factors that drive performance in NSX