

5 Days

VMware NSX: Design and Deploy [V6.2]

VMware NSX: Design and Deploy [V6.2] is a course that will prepare you to lead VMware NSX® design and deployment projects as it will provide with an understanding of general design processes and frameworks. You will then be able to look at the design and deployment considerations for network virtualization as part of an overall software-defined data center design.

Product Alignment

- VMware NSX 6.2
- vSphere 6

Objectives:

You should be able to meet the following objectives after the completion of the course:

- Analyze existing physical networking and security components, processes, and operations
- Apply a design process for gathering requirements, constraints, assumptions, and risks
- Design a physical network to support network virtualization in a software-defined data center
- Identify management, monitoring, and operational tools for a proposed solution
- Understand and apply a design framework

Course Details

Course Outline

1. Course Introduction

- Introductions and course logistics
- Course objectives

2. Design Process and Principles

- Understand the design process
- Understand design frameworks

3. Architecture and Components

- Understand the management, control, and data planes
- Describe VMware NSX® Manager™
- Design the VMware NSX® Controller™ cluster

4. Switching and Routing

- Design an Ethernet infrastructure
- Describe VMware vSphere® Distributed Switch™
- Design a logical switching solution
- Design a bridging solution
- Design a VMware NSX logical router solution

5. Edge Services

- Design a remote access solution
- Design load-balancing services

6. Security

- Design a defense in depth
- Design edge firewall services
- Design distributed firewall services
- Design and integrate security services

7. Cross-vCenter and Multisite

- Describe cross-vCenter solutions
- Design multisite NSX solutions
- Design a VMware NSX solution with stretched clusters

8. Operations and Automation

- Describe native operational tools
- Describe VMware integrated monitoring tools
- Design a VMware NSX monitoring and operations solution that leverages third-party tools

9. Enterprise Design Lab

- Design and present a conceptual solution
- Design and present a logical solution

Who Should Attend

- Network professionals

Pre Requisite

You must have completed the following training to be eligible for this course:

- VMware NSX: Install, Configure, Manage or
- VMware NSX: Troubleshooting and Operations

And in case you have not taken these courses then you must have equivalent experience for the same.

Exams

VMware NSX: Design and Deploy [V6.2] [VCP6-NV] [3V0-643]

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