

Implementing and Configuring the Cisco Nexus 1000V v2.4

ICNX1V



Delivery Type: Classroom

Duration: 2 days

Overview

The Cisco Nexus 1000V is a virtual switch that resides within the hypervisor environment such as a VMware ESXi Server instance and provides operations and management consistency with existing Cisco Nexus and Catalyst switches. The Nexus 1000V, with the use of overlay networks provisioning, provides one of the three pillars of Cisco's ONE SDN strategy. The Nexus 1000V leverages VMware's vNetwork Distributed Switch (DVS) framework and integrates with the Cisco Nexus 1010/1100 Virtual Network Appliances and Virtual Services Blades (VSB) to offer tightly integrated network services as part of a comprehensive Data Center server virtualization strategy. This two-day course provides you with an in-depth look at the architecture, design, installation, monitoring, upgrading, and feature configuration process for the Cisco Nexus 1000V. This course includes hands-on labs in which you will configure a VMware vSphere infrastructure; install, upgrade, and configure the Nexus 1000V with high availability; and demonstrate uplink design options, policy mobility during virtual machine migration, and the use of monitoring tools.

Pre-Requisites

You will gain the most from this course if you have at least CCNA-level knowledge of routing and switching

together with some knowledge and experience of configuring a VMware virtual switching environment.

Objectives

- ✓ Describe the Cisco Nexus 1000V Series Switch and its role in a virtual server network environment
- ✓ Describe the VMware networking environment
- ✓ Describe the Cisco Nexus 1000V Series Switch architecture
- ✓ Describe Cisco Nexus 1000V design considerations
- ✓ Describe the Cisco Nexus 1010/1100 Virtual Services Appliances and Virtualized Services and their role in virtual deployments
- ✓ Describe how to install, upgrade, and configure a Cisco Nexus 1000V Series Switch
- ✓ Describe how to configure Cisco Nexus 1000V networking using port profiles
- ✓ Describe the configuration of security on the Cisco Nexus 1000V
- ✓ Describe the Cisco Nexus 1000V Series Switch traffic flow configuration
- ✓ Describe network monitoring, troubleshooting, and management of the Cisco Nexus 1000V.

Target Audience

This course is targeted at Networking and Virtual Server engineers. It introduces and teaches the configuration and design aspects of the Cisco Nexus 1000V and associated products in a VMware virtual switching environment.