

Implementing Cisco NX-OS Switches and Fabrics in the Data Center (DCNX) 1.1

Duration: 40 HRS

Description

The **Implementing Cisco NX-OS Switches and Fabrics in the Data Center** training gives you a detailed understanding of the Cisco® Nexus switch platform and teaches you how to install, configure, and manage Cisco Nexus® switch platforms in a scalable, highly available environment. Through a combination of lectures and hands-on labs, you will learn how to describe various aspects of the Cisco Nexus product families and platforms, including implementation, management, security, programmability and storage. Additionally, you will learn how to configure device aliases and zoning, Fibre Channel over Ethernet (FCoE), and N-Port Identifier Virtualization (NPIV), and N-Port Virtualization (NPV) mode.

Prerequisite

The knowledge and skills you are expected to have before attending this training are:

- Be familiar with Cisco data center technologies
- Understand networking protocols, routing, and switching

The following recommended Cisco offerings may help you meet these prerequisites:

- Implementing and Administering Cisco Solutions (CCNA)
- Understanding Cisco Data Center Foundations (DCFNDU)
- Implementing and Operating Cisco Data Center Core Technologies (DCCOR)

Outline

1. Describing Cisco Nexus Series Switches
2. Describing Cisco Nexus Platforms Implementation
3. Describing Cisco Nexus Platforms Management

4. Describing Port Channels and Virtual Port Channels
5. Configuring First Hop Redundancy Protocols
6. Configuring Cisco Nexus Security Features
7. Describing Cisco NX-OS Routing and Forwarding
8. Describing Virtual Extensible LAN
9. Describing QoS on Cisco Nexus Devices
10. Configuring System Management and Monitoring
11. Describing Cisco NX-OS Programmability
12. Describing Cisco Nexus Storage Services
13. Configuring Fibre Channel Over Ethernet
14. Describing Device Aliases and Zoning
15. Configuring NPIV and NPV Modes

Who Should Attend

- Data Center Systems Engineers
- Field Engineers
- Architects
- Cisco partners using Cisco Nexus Series switch platforms