
FlexPod for Data Center Systems Administration

Duración: 5 Días **Código del Curso: DCFSA** **Version: 1.0**

Temario:

Fechas Organizadas por NterOne

In this 5-day instructor-led course, you will become experienced with the planning, design, and implementation of a FlexPod integrated platform that includes NetApp® unified storage systems, Cisco® Unified Computing System™ servers, Cisco Nexus® fabric, and VMware® vSphere virtualization platform.

Using real-world scenarios and examples, this course will explore all of the components of the FlexPod system and guide you through the installation, management, and troubleshooting of the platform as a whole, as well as all of the individual Cisco, NetApp, and VMware components.

Dirigido a:

Systems Administrators and Engineers Technical Solutions Architects Systems Integrators Channel Partners Value-Added Resellers End-user Customers Deploying FlexPod

Prerequisitos:

Attendees should meet the following prerequisites:

- Basic knowledge of Cisco routing and switching
- Basic knowledge of servers and storage
- Familiarity with basic VMware virtualization concepts

Exámenes y certificación

Recommended preparation for exams:

- This course is not aligned to any specific exam
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Contenido:

Introduction to the FlexPod Architecture

- Overview of the FlexPod platform architecture
- FlexPod Design Considerations

Cisco Nexus 5000 Series Switches

- Introducing the Cisco Nexus 5000 Series Switches
- High-Level Cisco Nexus 5000 Series Product Features
- Cisco Nexus 5000 Series Switch Hardware Architecture
- Configuring Basic Integration with FlexPod Platform

Cisco Unified Computing System (UCS)

- Cisco Unified Computing System (UCS) Architecture Overview
- Implementing Cisco UCS B-Series LAN Connectivity
- Implementing Cisco UCS B-Series SAN Connectivity
- Provisioning Resource Pools in the Cisco UCS Manager
- Provisioning Service Policies in the Cisco UCS Manager

Virtual Networking

- VMware Virtual Switching Overview
- Reviewing the Cisco Nexus 1000v Series Switch
- Configuring and Administering the Virtual Supervisor and Virtual Ethernet Modules

NetApp Storage Appliance

- Discuss the benefits of Data ONTAP version 8.x and explain its two modes of operation
- Describe the steps for setting up a basic cluster configuration
- Introducing SAN and NAS Protocols
- Administering Volumes, LUNs and Initiator Groups
- Review and Discussion of Advanced Features in Data ONTAP

Management and Monitoring of the FlexPod Platform

- Configuring Cisco Nexus 5000 Series Management Features
- Configuring Cisco Nexus 1000v Series Management Features
- Managing and Upgrading Cisco UCS B-Series Firmware
- Implementing Backup, Import, and Restore of the Cisco UCS Manager Database
- Monitoring, Backing Up and Restoring of the NetApp Storage Appliance
- Implementing Cisco UCS Director to Manage FlexPod Operations

Troubleshooting the FlexPod Platform

- Cisco Nexus 5000 Series Troubleshooting Tools
- Troubleshooting the Cisco UCS B-Series Configuration
- Basic Cisco Nexus 1000v Troubleshooting Tools
- Basic NetApp Troubleshooting Tools

Labs

- Lab 0-0: Connecting to the Lab Environment
- Lab 0-1: Familiarization with the FlexPod GUI and CLI Interfaces
- Lab 2-1: Cisco Nexus 5000 Hardware Platform and System Management
- Lab 3-1: Verify B-Series LAN and SAN Physical Connections
- Lab 3-2: Provision Identity and Resource Pools in UCS
- Lab 3-3: Provision Mobile Service Profiles and Install VMware ESXi
- Lab 4-1: Configuring and Administering the Cisco Nexus 1000v VSM
- Lab 4-2: Configuring and Administering the Cisco Nexus 1000v VEM
- Lab 5-1: Base configuration of NetApp Cluster – Instructor Demo
- Lab 5-2: Provisioning of NetApp LUN and Initiator Group
- Lab 6-1: Backup and Restore the Cisco UCS Manager Database
- Lab 6-2: Provisioning Cisco UCS Director to Manage a FlexPod Environment
- Lab 7-1: Troubleshooting Nexus, UCS, and NetApp

Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

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