Implementing Cisco Data Center Unified Fabric

Varighet: 5 Days   Kurskode: DCUFI

Beskrivelse:

This is a 5-day hands-on coursedesigned for those delegates involved in the installation and implementation of the Cisco Nexus 7000, Nexus 5000 Switches, and the Cisco Nexus 2000 Fabric Extender. The course covers the key components and procedures needed to install, configure, manage, and troubleshoot the Cisco Nexus 7000 and 5000 Switches in the network and SAN environment.

Målgruppe:

The primary audience for this course is engineers involved in the selling, implementation, and maintainenance of the Cisco Nexus products in the data center. This course is also required for Channel Partners looking to achieve Data Center accreditation.

Agenda:

- **After you complete this course you will be able to:**

- Identify the Cisco Nexus product family, specifically the Cisco Nexus 7000 Switch chassis and components, the Cisco Nexus 5000 Switch, and the Cisco Nexus 2000 Fabric Extender

- Install the Cisco Nexus products in a Cisco Data Center Business Advantage environment

- Identify how to plan and implement virtual device contexts intoa solution

- Evaluate the security features available on the Cisco Nexus 7000 Switch to identify which features should be implemented into a solution

- Evaluate and configure the Connectivity Management Processor on the Cisco Nexus 7000 Switch and identify the management options available

- Evaluate the service-level and network-level high availability of the Cisco Nexus switches and how to use the Cisco IOS In-Service Software Upgrade feature

- Discuss the Fibre Channel protocol including Fibre Channel addressing, flow control, and zoning

- Translate a given design into an implementation plan for configuring Fibre Channel over Ethernet on the Cisco Nexus switch

- Understand the processes, tools, and resources for troubleshooting the data center infrastructure, interconnectivity, and operations

Forkunnskaper:

Attendees should meet the following prerequisites:

- Good understanding of networking protocols, CCNA Certification Recommended CCNABC or ICND1 and ICND2
- Good understanding of the Fibre Channel protocol and the SAN environment, attendance of a Fibre Channel protocol and SAN class, (ICSNS) or equivalent experience recommended

Test og sertifisering

Recommended Preparation for exam(s)

- 642-992- Implementing Data Center Unified Fabric (Exam available 26/7/11)
  Delegates looking to achieve the Cisco DataCenter Networking Infrastructure Support Specialist Certification, will also need to pass the DCNIS-1 exam 642-973

Påfølgende kurs:

The following courses are recommended for further study:

- DCUCI Cisco Data Center Unified Computing Implementation
- DCUCD Cisco Data Center Unified Computing Design

Both of the above courses are focused on the Cisco Unified Computing System products and are required for those delegates looking to achieve the Data Center Unified Computing Specialisations and the Channel Partner Data Center Architecture Accreditation.

Innhold:

Cisco Nexus Product Overview

- Identifying the Cisco Data Center Business Advantage Architecture
- Identifying Cisco Nexus Products
- Identifying the Cisco Unified Fabric Solution
- Integrating Services

Cisco Nexus Switch Feature Configuration

- Configuring Virtual Device Contexts
- Configuring Layer 2 Switching Features
- Configuring Port Channels
- Configuring Layer 3 Switching Features
- Configuring IP Multicast

Configuring Security Features

- Understanding Overlay Transport Virtualization
- Implementing Quality of Service

Cisco Nexus Series Switch Management

- Using the Connectivity Management Processor
- Configuring User Management
- Understanding System Management

Redundancy on Cisco Nexus Switches

- Understanding High Availability and Redundancy
- Implementing Cisco FabricPath

Fibre Channel over Ethernet

- Understanding Fibre Channel Protocol
- Understanding FCoE Protocol
- Identifying Data Center Bridging Ethernet Enhancements

Fibre Channel over Ethernet Configuration

- Implementing FCoE
- Configuring SAN Switching Features
- Configuring NPV Mode
- Using SAN Management Tools

Troubleshooting on Cisco Nexus Switches

- Troubleshooting the Data Center Infrastructure
- Troubleshooting Tools and Resources

Labs

- Lab 2-1: Configuring Layer 2 Switching
- Lab 2-2: Configuring vPCs
- Lab 2-3: Configuring Layer 3 Switching
- Lab 3-1: Configuring Security Features
- Lab 3-2: Configuring OTV
- Lab 3-3: Configuring QoS
- Lab 4-1: Configuring System Management
- Lab 4-2: Implementing Cisco DCNM
- Lab 5-1: Configuring Cisco FabricPath
- Lab 7-1: Configuring Fibre Channel over Ethernet
- Lab 7-2: Configuring N_Port Virtualization

Additional Information:

Cisco Data Center Networking Infrastructure Support Specialist Recertification

Complete one of the following recertification options every two years:Re-take and pass all exams for each Specialist certification indicated on the specific certification page. Please note: this includes ALL exams whether refreshed or not. Pass a current CCIE or CCDE written exam Achieving or recertifying CCDE or any CCIE automatically extends your active Specialist certification(s) up to the point of expiration of the last certification achieved.

Ytterligere informasjon:

For mer informasjon eller kursbooking, vennligst ring oss 22 95 66 00

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