

## Implementing the Cisco Nexus 7000

Varighed: 5 Days    Kursus Kode: DCNX7K    Version: 2.0

### Beskrivelse:

This is a 5-day course designed for systems and field engineers who install and implement the Cisco Nexus 7000 switch. This course covers the key components and procedures you need to know to configure, manage, and troubleshoot the Cisco Nexus 7000 switch platform.

### Målgruppe:

Network Engineers involved in the installation and maintenance of Nexus 7000 switches.

### Agenda:

- **After you complete this course you will be able to:**
- Identify the chassis and components of the Cisco Nexus 7000 Switch.
- Identify which management tools are available for the Cisco Nexus 7000 Switch, and configure the relevant management tool.
- Configure the Cisco Nexus 7000 Switch functions and features.
- Configure the Cisco Nexus 7000 Switch Security and Quality of Service features.
- Troubleshoot key features of the Cisco Nexus 7000 switch.

### Forudsætninger:

#### Attendees should meet the following prerequisites:

A Good understanding of networking protocols. Attendance of the following courses are recommended.

- ICND1 and
- ICND2 or
- CCNABC
- ROUTE
- SWITCH

*During the course delegates will be exposed to the configuration of advanced technologies, such as BGP, MPLS and FCoE. The learner will not be required to have experience with these technologies in order successfully complete the class as initial configuration of BGP, MPLS, and FCoE on the Cisco Nexus 7000 will be covered in class. For a deeper understanding in BGP, MPLS and FCoE, students are encouraged to explore additional training in those technologies.*

### Test og certificering

#### Recommended preparation for exam(s):

- There are no exams currently relating to this course

## Indhold:

### Cisco Nexus 7000 Switch Product Overview

- Cisco Nexus 7000 Product Overview
- Describing Cisco NX-OS Software
- Understanding High Availability and Redundancy
- Using the Connectivity Management Processor

### Cisco Nexus 7000 Switch Management

- Configuring User Management
- Understanding System Management

### Cisco Nexus 7000 Switch Feature Configuration

- Using Virtual Device Contexts on the Cisco Nexus 7000 Switch
- Configuring Layer 2 Switching Features
- Configuring Port Channels
- Configuring the Cisco Nexus 7000 Switch with the Cisco Nexus 2000 Fabric Extender
- Configuring Cisco FabricPath
- Configuring Layer 3 Switching Features
- Configuring MPLS
- Configuring Overlay Transport Virtualization (OTV)
- Configuring Locator/ID Separation Protocol

### Cisco Nexus 7000 Advanced Feature Configuration

- Configuring Security Features
- Configuring Quality of Service (QoS)

### Troubleshooting

- Understanding the Troubleshooting Process
- Using Troubleshooting Features
- Troubleshooting Installs, Upgrades, and Reboots
- Troubleshooting Virtual Port Channels
- Troubleshooting Memory and Packet Flow Issues

### Labs:

- Lab 1-1: Cisco Nexus 7000 Platform Discovery
- Lab 2-1: Configuring User Management
- Lab 2-2: Configuring System Management
- Lab 3-1: Configuring Layer 2 Switching
- Lab 3-2: Configuring Virtual Port Channels (vPCs)
- Lab 3-3: Configuring Cisco FabricPath
- Lab 3-4: Configuring Layer 3 Switching
- Lab 3-5: Configuring FHRP
- Lab 3-6: Configure MPLS on the Cisco Nexus 7000 switch
- Lab 3-7: Configure Overlay Transport Virtualization (OTV)
- Lab 3-8: Configure LISP on the Cisco Nexus 7000 switch
- Lab 4-1: Configuring Security Features
- Lab 4-2: Configuring Quality of Service (QoS)
- Lab 5-1: Configuring Troubleshooting Features
- Lab 5-2: Troubleshooting Virtual Port Channels (vPCs) and Cisco Fabricpath

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## Additional Information:

*Delegates requiring knowledge of both the Nexus 5K and 7K switches, or those looking to achieve Channel Partner Certifications should consider the **DCUFI** course .*

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## Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

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