

## Cisco CCNA Data Center Boot Camp (Accelerated) til særpris!

Varighed: 5 Days    Kursus Kode: CCNADCBC

### Beskrivelse:

Cisco have announced this course is retired and replaced by:  
[CCNA, Implementing and Administering Cisco Solutions](#)

Our accelerated CCNA DC Boot Camp is an intensive program, designed to help you achieve your CCNA DC certification in a reduced period of time. To maximize your classroom experience and ensure that you get a comprehensive coverage of the CCNA DC materials, our two-step, blended learning approach to the CCNA DC Boot Camp consists of: Pre-Class Activity and Classroom Instruction.

The Pre-Class Activity provides you with approximately ten hours of review materials and exercises, all of which is designed to give you a firm foundation and get you focused before you enter the classroom.

Classroom Instruction includes intensive instructor-led training and hands-on labs, content in the course will introduce delegates to the three primary technologies that are used in the Cisco Data Center. The introductory level of knowledge that is taught in these courses is aimed at individuals that will be performing only the more basic configuration tasks. The labs will focus on viewing configurations, as opposed to making configuration changes or creating new topologies. Cisco technologies that are deployed in the Data Center : unified computing, unified fabric, and network services. Students will only learn how to perform the more basic configuration tasks. Labs will focus on verifying configurations, with selected exercises involving making configuration changes or designing new topologies.

### Målgruppe:

CCNA's and CCNP's needing to recert and/or update skills Network administrators Network engineers Cisco Integrators/Partners Systems engineers Network designers Network managers Consulting systems engineers Technical solutions architects

### Agenda:

- |   |  |
|---|--|
| ■   | ■ Describe and verify Cisco data center fundamentals |
| ■ <b>After you complete this course you should be able to:</b>                            | ■  |
| ■ Describe how a network works  | ■ Describe Cisco data center virtualization          |
| ■   | ■  |
| ■ Configure, verify, and troubleshoot a switch with VLANs and Inter-switch communications | ■ Describe Cisco data center storage networking      |
| ■   | ■  |
| ■ Implement an IP addressing scheme and IP services to meet network requirements          | ■ Describe Cisco data center unified fabric          |
| ■   | ■  |
| ■ Configure, verify, and troubleshoot routing operations on Cisco Nexus switches          | ■ Describe and verify Cisco UCS                      |
| ■   |  |

### Forudsætninger:

Attendees should meet the following prerequisites:

### Test og certificering

Recommended preparation for exam(s):

- Basic Windows navigation and keyboard literacy skills
- Basic Internet usage skills
- Basic IP addressing knowledge

- 640-911 DCICN Introducing Cisco Data Center Networking
- 640-916 DCICT Introducing Cisco Data Center Technologies

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## Yderligere Kurser:

**The following Courses are recommended for further study:**

- DCUCI - Cisco Data Center Unified Computing Implementation
  - DCUFI - Implementing Cisco Data Center Unified Fabric
  - DCUCD - Cisco Data Center Unified Computing Design
  - DCUFD - Designing Cisco Data Center Unified Fabric
  - DCUCT - Troubleshooting Cisco Data Center Unified Computing
  - DCUFT - Troubleshooting Cisco Data Center Unified Fabric
-

## Indhold:

### 1: Simple Network Design

- Understanding the Functions of Networking
  - Understanding the Host-to-Host Communications Model
  - Describing Ethernet Connections
  - Describing Ethernet Communications Standards
  - Describing OSI Network Layer Addressing
  - Describing the TCP/IP Transport Layer
  - Describing the Packet Delivery Process
  - Describing Cisco NX-OS Software
  - Operating Cisco NX-OS Software
  - Implementing VLANs and Trunks
  - Building a Redundant Switched Topology
  - Transitioning to IPv6
  - Exploring the Routing Process on Cisco Nexus Switches
  - Exploring Routing Protocols on Cisco Nexus Switches
  - Exploring ACLs on Cisco Nexus Switches
  - Reviewing the Cisco Nexus Product Family
  - Reviewing the Cisco MDS Product Family
  - Monitoring the Cisco Nexus 7000 and 5000 Series Switches
  - Describing vPCs and Cisco FabricPath in the Data Center
  - Using OTV on Cisco Nexus 7000 Series Switches
  - Virtualizing Storage
  - Virtualizing Server Solutions
  - Using the Cisco Nexus 1000V Series Switch
  - Describing Fibre Channel Storage Networking
  - Verifying Fibre Channel Communications on Cisco MDS 9000 Series Multilayer Switches
  - Identifying Connectivity Options for FCoE on the Cisco Nexus 5000
  - Describing Enhanced FCoE Scalability with Cisco Nexus 2232 10GE Fabric Extenders
  - Describing the Cisco UCS C-Series Product Family
  - Connecting Cisco UCS B-Series Blade Servers
  - Setting up an Initial Cisco UCS B-Series Cluster
  - Describing Cisco UCS Manager Operations
  - Describing Cisco UCS Manager Pools, Policies, Templates, and Chassis and Blade Power Capping
  - Lab 1-2: Observing the TCP Three-Way Handshake
  - Lab 1-3: Observing Extended PC Network Information
  - Lab 2-1: Connecting to Cisco Nexus Switches
  - Lab 2-2: Configuring Cisco Nexus Switches
  - Lab 2-3: Configuring VLANs and Trunks
  - Lab 2-4: Verifying and Configuring Spanning

### 6: Cisco Data Center Virtualization

- Virtualizing Network Devices
  - Understanding the Host-to-Host Communications Model
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## Tree

- Lab 2-5: Configuring EtherChannel
  - Lab 3-1: Converting Decimal to Binary and Binary to Decimal
  - Lab 3-2: Classifying Network Addressing
  - Lab 3-3: Computing Usable Subnetworks and Hosts
  - Lab 3-4: Calculating Subnet Masks
  - Lab 4-1: Configuring Multilayer Switching
  - Lab 1-2: Connecting to a Cisco Nexus 5000 Series Switch Using SSH
  - Lab 1-3: Running CLI Commands
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Verifying Setup and Operation of the Cisco Nexus 1000V Series

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#### 4: Routing on the Cisco Nexus Switch

- Exploring the Packet Delivery Process

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## GUI

- Lab 5-2: Creating a Service Profile from a Template and Performing VMware ESXi 5.0 SAN Boot

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## Flere Informationer:

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