



Cisco Data Center CCNA Bootcamp v6.2 - DCAABC

Course Details

Course Outline

1. Basic Data Center Networking Concepts

- Describing the Cisco Nexus Family and NX-OS
- Implementing VLANs and Trunks

2. Cisco Data Center Network Virtualization

- Describing Switch Virtualization

3. Advanced Data Center Networking Concepts

- Describing the Routing Process on Nexus Switches
- Describing Layer 3 First Hop Redundancy
- Describing AAA on Nexus Switches
- Describing ACLs on Nexus Switches

4. Cisco Data Center Network Technologies Configuration

- Describing Cisco Fabric Extender
- Describing Port Channels and Virtual Port Channels

5. Basic Data Center Storage

- Describing Fibre Channel Storage Networking
- Describing VSANs

6. Advanced Data Center Storage

- Describing Communication Between Initiator and Target
- Describing Fibre Channel Zone Types and Their Uses
- Describing Cisco NPV Mode and NPIV
- Describing Fibre Channel over Ethernet

7. Cisco UCS Architecture

- Describing Cisco UCS Server Hardware Components
- Cisco UCS Physical Connectivity for a Fabric Interconnect Cluster
- Describing the Cisco UCS Manager Interfaces

8. Cisco Unified Computing System

- Cisco UCS RBAC
- Deploying Servers in Cisco UCS



9. Data Center Automation and Orchestration

- Using Application Programming Interfaces
- Using Cisco UCS Director for Orchestration

10. Cisco Application-Centric Infrastructure

- Describing Cisco ACI

11. Lab

- Lab: Explore the Cisco NX-OS Command Line Interface
- Lab: Explore Topology Discovery and Documentation
- Lab: Implement VLANs and Trunks
- Lab: Configure Virtual Routing and Forwarding by Using SSH
- Lab: Explore the Elements of Virtual Device Contexts
- Lab: Implement Multilayer Switching
- Lab: Configure OSPF
- Lab: Configure EIGRP
- Lab: Configure HSRP
- Lab: Configure AAA and Secure Remote Administration
- Lab: Configure ACLs
- Lab: Configure the Cisco Nexus 2000 Fabric Extender
- Lab: Configure Virtual Port Channels
- Lab: Configure Virtual Port Channels with FEX
- Lab: Configure VSANs
- Lab: Validate FLOGI and FCNS
- Lab: Configure Zoning
- Lab: Explore the Cisco UCS Manager GUI
- Lab: Configure Local RBAC
- Lab: Configure Cisco UCS to Boot Servers from SAN
- Lab: Configure Cisco NX-OS with APIs
- Lab: Explore the Management Information Tree of the Cisco UCS Manager XML API
- Lab: Configure User Accounts in Cisco UCS Director
- Lab: Add Virtual and Physical Accounts to Cisco UCS Director
- Lab: Explore Cisco UCS Director Monitoring Capabilities
- Lab: Use Cisco UCS Director Orchestration Features