

E-Learning - Implementing and Operating Cisco Data Center Core Technologies

Cisco - On Demand E-Learning

The Implementing and Operating Cisco Data Center Core Technologies (DCCOR) v1.1 course helps you prepare for the Cisco CCNP Data Center and CCIE Data Center certifications for advanced-level data center roles. In this course, you will master the skills and technologies you need to implement data center compute, LAN and SAN infrastructure.

You will also learn the essentials of automation and security in data centers. You will gain hands-on experience deploying, securing, operating, and maintaining Cisco data center infrastructure including: Cisco MDS Switches and Cisco Nexus Switches; Cisco Unified Computing System (Cisco UCS) B-Series Blade Servers, and Cisco UCS C-Series Rack Servers.

This course helps prepare you for the Implementing Cisco Data Center Core Technologies (350-601 DCCOR) exam.

Access Duration: 180 days

Continuing Education Credits: 64



Purpose of the training

- Network designers
- Network administrators
- Network engineers
- Systems engineers
- Data center engineers

- Consulting systems engineers
- Technical solutions architects
- Field engineers
- Cisco integrators and partners
- Server administrator
- Network manager



Benefits of completing the training

This course will help you:

- Gain experience implementing, securing and automating network, compute, and storage infrastructure
- Gain knowledge and skills through Cisco's unique combination of lessons and hands-on practice using enterprise-grade Cisco learning technologies, data center equipment, and software
- Qualify for professional and expert-level job roles in the high-demand area of enterprise-class data center environments



Exam description

Certification

Associated Certification: [CCNP Data Center](#), [CCIE Data Center](#)

Associated Exam: [350-601 DCCOR](#)



Expected Listener Preparation

To fully benefit from this course, you should have the following knowledge and skills:

- Familiarity with Ethernet and TCP/IP networking
- Familiarity with SANs
- Familiarity with Fibre Channel protocol
- Ability to identify products in the Cisco Data Center Nexus and Cisco MDS families
- Understanding of Cisco Enterprise Data Center architecture
- Understanding of server system design and architecture
- Familiarity with hypervisor technologies (such as VMware)

These Cisco courses are recommended to help you meet these prerequisites:

- Implementing and Administering Cisco Solutions (CCNA)
- Understanding Cisco Data Center Foundations (DCFNDU)



Training Language

Language: English

Materials: English



Training Includes

- Labs
- Self-Paced Training
- Video Training

Duration

1 days / 1 hours

Training agenda

- Implement routing and switching protocols in data center environment
- Implement overlay networks in data center
- Introduce high-level Cisco Application Centric Infrastructure (Cisco ACI) concepts and Cisco Virtual Machine manager (VMM) domain integration
- Describe Cisco Cloud Service and deployment models
- Implement Fibre Channel fabric
- Implement Fibre Channel over Ethernet (FCoE) unified fabric
- Implement security features in data center
- Implement software management and infrastructure monitoring
- Implement Cisco UCS Fabric Interconnect and Server abstraction
- Implement SAN connectivity for Cisco UCS
- Describe Cisco HyperFlex infrastructure concepts and benefits
- Implement Cisco automation and scripting tools in data center
- Evaluate automation and orchestration technologies

