



Implementing and Operating Cisco Data Centre Core Technologies

DCCOR: 350-601

Course Overview

The Implementing and Operating Cisco Data Centre Core Technologies (DCCOR) v1.0 course helps you prepare for the Cisco® CCNP® Data Centre and CCIE® Data Centre certifications for advanced-level data centre roles. In this course, you will master the skills and technologies you need to implement data centre compute, LAN and SAN infrastructure. You will also learn the essentials of automation and security in data centres. You will gain hands-on experience deploying, securing, operating, and maintaining Cisco data centre 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, including the self-paced material, helps prepare you to take the 350-601 Implementing Cisco Data centre Core Technologies (DCCOR) Exam.

Prerequisite Knowledge

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
- Identify products in the Cisco Data centre Nexus and Cisco MDS families
- Understanding of Cisco Enterprise Data centre 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 centre Foundations (DCFNDU)



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Objectives

Upon completing this course, the learner will be able to meet these overall objectives:

- Implement routing and switching protocols in Data centre environment
- Implement overlay networks in data centre
- 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 centre
- Implement software management and infrastructure monitoring
- Implement Cisco UCS Fabric Interconnect and Server abstraction
- Implement SAN connectivity for Cisco Unified Computing System™ (Cisco UCS®)
- Describe Cisco HyperFlex™ infrastructure concepts and benefits
- Implement Cisco automation and scripting tools in data centre
- Evaluate automation and orchestration technologies

