

Implementing Cisco Data Center Infrastructure (DCII)

Duration 5 Days

COURSE CONTENT

The focus of this skills-building course is implementation of LAN, SAN, and Data Center Unified Fabric using Cisco MDS switches, Cisco Nexus switches, and Cisco Nexus 2000 Series Fabric Extenders (FEXs). The course provides rich, hands-on experience with implementing Cisco data center infrastructure.

Upon completion of this course, you will be able to:

- Configure RSTP, MST, and port channels and implement Cisco FabricPath, OTV, VXLAN, and LISP
- Configure first-hop redundancy, routing, and multicast in the data center
- Configure user management and implement system security features on Nexus switches
- Perform basic Fibre Channel configuration, manage Fibre Channel domains, and implement Fibre Channel port security and binding
- Configure FCoE
- Configure distributed device aliases, zoning, NPV, and FCIP
- Configure system management and infrastructure monitoring

COURSE OUTLINE

- **Module 1:** Implement Data Center Protocols
- **Module 2:** Implement Routing and Switching Protocols
- **Module 3:** Data Center Infrastructure Maintenance, Management, and Operations
- **Module 4:** Data Center Infrastructure Security
- **Module 5:** Infrastructure Storage

PREREQUISITES

It is recommended that a learner has the following knowledge and skills before attending this course:

- Data center networking concepts
- Data center storage concepts
- Data center virtualization
- Cisco Unified Computing System t
- Data center automation and orchestration with the focus on Cisco ACI and UCS Director
- Identify products in the Cisco Data Center Nexus and MDS families
- Describe network fundamentals and build simple LANs, including switching and routing

Who Should Attend

- Channel Partners
- Customers
- Employees
- Entry-level to experienced Network Administrator
- Senior Network Engineer
- Presales Engineer
- Design Engineer
- Data Center Administrator
- Senior Systems Engineer
- Senior Technical Solutions Architect