

Troubleshooting Cisco Data Center Infrastructure (DCIT)

Duration 5 Days

COURSE CONTENT

The focus of this skills-building course is troubleshooting of LAN, SAN, Cisco Data Center Unified Fabric, Cisco Unified Computing System (UCS), and Cisco Application Centric Infrastructure (ACI). The course provides rich, hands-on experience in resolving problems on Cisco MDS switches, Cisco Nexus switches, Cisco fabric extenders (FEXs), Cisco UCS, and Cisco ACI.

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

- Troubleshoot Layer 2 technologies, such as STP, port channels, vPC, Cisco FabricPath, and FEX
- Troubleshoot first-hop redundancy, routing, and CFS in the data center
- Troubleshoot virtualization solutions, such as OTV, VRF, and VXLAN
- Troubleshoot storage area networks, including Fibre Channel, FCoE, zoning, NPV, and NPIV
- Troubleshoot data center unified computing

COURSE OUTLINE

- **Module 1:** Troubleshooting Data Network Protocols
- **Module 2:** Troubleshooting Network Virtualization and Automation
- **Module 3:** Troubleshooting Application Centric Infrastructure
- **Module 4:** Troubleshooting Data Center Storage
- **Module 5:** Troubleshooting Data Center Compute Platforms
- **Module 6:** Troubleshooting Data Center Management and Operations

PREREQUISITES

It is recommended that a learner should have attended the following classes or obtained an equivalent level of knowledge before attending this course:

- Introducing Cisco Data Center Networking (DCICN) v6.0
- Introducing Cisco Data Center Technologies (DCICT) v6.0
- Implementing Cisco Data Center Infrastructure (DCII) v6.0
- Implementing Cisco Data Center Virtualization and Automation (DCVAI) v6.0
- Implementing Cisco Data Center Unified Computing (DCUCI) v6.0

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