



# Troubleshooting Cisco Data Center Infrastructure v6.2 - DCIT (Professional)

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## Course Details

### Course Outline

#### 1. Troubleshooting the Data Center LAN Network

- Overview of the Troubleshooting Process
- Understanding CLI Troubleshooting Tools
- Troubleshooting VLANs and Private VLANs
- Troubleshooting Port Channels and Virtual Port Channels
- Troubleshooting Cisco FabricPath
- Troubleshooting Cisco OTV
- Troubleshooting VXLAN
- Troubleshooting LISP
- Troubleshooting Routing Protocols
- Troubleshooting Data Center LAN Security
- Troubleshooting Platform-Specific Issues

#### 2. Troubleshooting Data Center SAN

- Troubleshooting Fibre Channel Interfaces
- Troubleshooting Fibre Channel Fabric Service
- Troubleshooting NPV Mode
- Troubleshooting FCoE

#### 3. Troubleshooting Data Center Unified Computing

- Troubleshooting Cisco UCS Architecture and Initialization
- Troubleshooting Cisco UCS Configuration
- Troubleshooting Cisco UCS B-Series Servers
- Troubleshooting Cisco UCS B-Series LAN and SAN Connectivity
- Troubleshooting Cisco UCS C-Series Servers
- Troubleshooting Cisco UCS C-Series LAN and SAN Connectivity
- Troubleshooting Cisco UCS C-Series and Cisco UCS Manager Integration

#### 4. Troubleshooting Data Center ACI

- Exploring the Tools and Methodology of Troubleshooting Cisco ACI



## 5. Labs

- Document the Network Baseline
- Troubleshoot LAN—RSTP
- Troubleshoot LAN—LACP
- Troubleshoot LAN—vPC
- Troubleshoot LAN—FabricPath
- Troubleshoot LAN—OTV
- Troubleshoot LAN—VXLAN
- Troubleshoot LAN—OSPF
- Troubleshoot LAN—FHRP
- Troubleshoot LAN—CFS
- Troubleshoot LAN—VRF
- Troubleshoot LAN—FEX
- Troubleshoot SAN—Fibre Channel Interfaces
- Troubleshoot SAN—Fibre Channel VSANs, Zones, and Domain Services
- Troubleshoot SAN—NPV Mode
- Troubleshoot SAN—FCoE
- Troubleshoot SAN—DCB
- Troubleshoot Compute—Cisco UCS Management and Service Profile Deployment
- Troubleshoot Compute—Cisco UCS Integrated C-Series Server Boot from SAN
- Troubleshoot Compute—LAN Connectivity, Part 1
- Troubleshoot Compute—LAN Connectivity, Part 2
- Troubleshoot Compute—Cisco UCS C-Series Server Boot from SAN
- Troubleshoot Compute—Network Connectivity
- Troubleshoot ACI—Bare-Metal Hosts
- Troubleshoot ACI—VMM
- Troubleshoot ACI—Contracts
- Troubleshoot ACI—External Layer 3
- Troubleshoot ACI—External Layer 2