

Troubleshooting Cisco Data Center Unified Computing (DCUCT)

Duration 3 Days

This course is designed to provide system engineers and implementers with the knowledge and hands-on experience to properly troubleshoot Cisco UCS B-Series and C-Series servers operating in standalone and integrated modes. You will dive deep, gaining hands-on experience with proper configuration procedures, and becoming familiar with common troubleshooting scenarios and recommended solutions.

COURSE OBJECTIVES

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

- Describe the Cisco UCS B-series architecture, installation, and configuration, and the process and tools for determining related issues
- Describe troubleshooting processes on the standalone Cisco UCS C-Series deployments
- Describe the valid Cisco UCS C-Series integrated architecture and the process of determining issues related to integration of Cisco UCS C-Series server with Cisco UCS Manager

WHO SHOULD ATTEND

The primary audience for this course is as follows:

- Data center designers, data center administrators, and system engineers

The secondary audience for this course is as follows:

- Data center engineers and managers

PREREQUISITES

The knowledge and skills that you must have before attending this course are as follows:

- Knowledge covered by the Introducing Cisco Data Center Technologies (DCICT) course
- Knowledge covered by the Implementing Cisco Data Center Unified Computing (DCUCI) course
- Familiarity with server virtualization (for example, VMware vSphere and Microsoft Hyper-V)
- Familiarity with administration of common operating systems (for example, Linux and Windows)

COURSE OUTLINE

Cisco UCS B-Series Troubleshooting

- Troubleshooting Cisco UCS B-Series Architecture and Initialization
- Troubleshooting Cisco UCS B-Series Configuration
- Troubleshooting Cisco UCS B-Series Operation
- Troubleshooting Cisco UCS B-Series LAN and SAN Connectivity
- Troubleshooting and Upgrading Cisco UCS Manager
- Troubleshooting Cisco UCS B-Series Hardware

Cisco UCS C-Series Troubleshooting

- Cisco UCS C-Series Architecture and Configuration

- Troubleshooting Cisco UCS C-Series Hardware and Firmware
- Troubleshooting Cisco UCS C-Series LAN and SAN Connectivity
- Troubleshooting Locally Attached Storage
- Troubleshooting Operating System-Related Issues

Cisco UCS C-Series Integration Troubleshooting

- Integrating Cisco UCS C-Series and Cisco UCS Manager
- Troubleshooting Cisco UCS C-Series and Cisco UCS Manager Integration

labs

- Lab 1-1: Cisco UCS Network Baseline Documentation
- Lab 1-2: Cisco UCS Management and Service Profile Deployment
- Lab 1-3: Troubleshoot Cisco UCS B-Series Server Boot from SAN
- Lab 1-4: Troubleshoot LAN Connectivity: Part 1
- Lab 1-5: Troubleshoot LAN Connectivity: Part 2
- Lab 1-6: Troubleshoot Failover Connectivity: Part 1
- Lab 1-7: Troubleshoot Failover Connectivity: Part 2
- Lab 2-1: Troubleshoot Cisco UCS C-Series Server Boot from SAN
- Lab 2-2: Troubleshoot Network Connectivity