



Administering Cisco Data Center Unified Computing System (DCUCA)

Course ID#: 1575-932-ZZ-W

Hours: 28

Course Content

Course Description:

In this 4-day instructor-led course, you will become experienced with the administration and troubleshooting of Cisco Unified Computing System (UCS) B-Series and C-Series platforms. Using real-world scenarios and examples, this course will explore all of the components of the UCS B-Series and C-Series solutions from a day to day administrative point of view. Learn C-Series standalone, C-Series under UCS Manager, B-Series administration, troubleshooting, and management tools used to support basic UCS and multi-cluster support with UCS Central.

Prerequisites:

- Basic knowledge of Cisco routing and switching
- Basic knowledge of Cisco Unified Computing Systems
- Basic knowledge of servers and storage

Topics:

Module 1: UCS Infrastructure Components

- Lesson 1: Cisco UCS Servers and Components
- Lesson 2: Exploring Cisco UCS User Interfaces
- Lesson 3: Cisco UCS Management Framework and Features

Module 2: Administering Cisco C-Series Servers

- Lesson 1: Describing Cisco UCS C-Series Servers
- Lesson 2: Cisco UCS C-Series Integrated Management Controller
- Lesson 3: Provisioning Monitoring and Logging on the Cisco UCS C-Series Server
- Lesson 4: Provisioning Cisco UCS C-Series Server Integration in UCS Manager
- Lesson 5: Updating Cisco UCS C-Series Firmware with the Host Upgrade Utility
- Lesson 6: Troubleshooting C-Series Standalone and UCS Managed Environments

Module 3: Administering Cisco B-Series Servers

- Lesson 1: RBAC, Organizations, and Active Directory Integration
- Lesson 2: Configuring Compute Node LAN Connectivity
- Lesson 3: Configuring Compute Node SAN Connectivity
- Lesson 4: Creating Identity and Resource Pools
- Lesson 5: Creating Service Profiles
- Lesson 6: Creating Templates and Cloning Service Profiles
- Lesson 7: Managing Service Profiles
- Lesson 8: Operating System Installation Options
- Lesson 9: Backing Up and Restoring UCSM Database
- Lesson 10: Upgrading UCS B-Series Firmware
- Lesson 11: Troubleshooting Cisco UCS B-Series Configuration



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- Lesson 12: Troubleshooting Cisco UCS B-Series Operation

Module 4: UCS Management Tools

- Lesson 1: UCS Management Tool Overview
- Lesson 2: Integrating UCS Manager with UCS Central
- Lesson 3: Managing UCS Using the Cisco UCS PowerTool