

DCUCA (ADMINISTERING CISCO DATA CENTER UNIFIED COMPUTING SYSTEM)

Objetivo

Upon completing this course, the learner will be able to meet these overall objectives: Understand the B-Series and C-Series product line similarities and differences Describe the C-Series standalone and UCS managed architectures Understand the process for upgrading B-Series and C-Series Firmware Administering service profiles, pools, and policies Understanding RBAC with Active Directory integration Administering backup and restores in UCS Manager Learn and discuss the various management tools for Cisco UCS Perform basic troubleshooting of B-Series and C-Series in normal operations

P blico Alvo

The primary audience for this course is as follows: Systems Administrators and Engineers Technical Solutions Architects Systems Integrators Channel Partners Value-Added Resellers

Pr -Requisitos

The knowledge and skills that the learner should have before attending this course are as follows: Basic knowledge of Cisco routing and switching Basic knowledge of Cisco Unified Computing Systems Basic knowledge of servers and storage

Carga Hor ria

32 horas (4 dias).

Cont do Program tico

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: Cisco UCS Servers and Components
Lesson 2: Describing Cisco UCS C-Series Servers
Lesson 3: Cisco UCS C-Series Integrated Management Controller
Lesson 4: Provisioning Monitoring and Logging on the Cisco UCS C-Series Server
Lesson 5: Provisioning Cisco UCS C-Series Server Integration in UCS Manager
Lesson 6: Updating Cisco UCS C-Series Firmware with the Host Update Utility
Lesson 7: UCS C-Series Standalone and UCS Managed Troubleshooting

Module 3: Administering Cisco B-Series Servers

- Lesson 1: Cisco UCS Servers and Components
- Lesson 2: RBAC, Organizations, and Active Directory Integration
- Lesson 3: Configuring Compute Node LAN Connectivity
- Lesson 4: Configuring Compute Node SAN Connectivity
- Lesson 5: Creating Identity and Resource Pools
- Lesson 6: Creating Service Profiles
- Lesson 7: Creating Templates and Cloning Service Profiles
- Lesson 8: Managing Service Profiles
- Lesson 9: Operating System Installation Options
- Lesson 10: Backing Up and Restoring UCSM Database
- Lesson 11: Upgrading UCS B-Series Firmware
- Lesson 12: Troubleshooting Cisco UCS B-Series Configuration
- Lesson 13: 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

Lab Outline

- Lab 0-0: Connecting to the Lab Environment
- Lab 2-1: Update Cisco UCS C-Series Firmware from the Cisco UCS Host Upgrade Utility
- Lab 2-2: Install VMware ESXi on the Local RAID and Verify SAN Connectivity
- Lab 2-3: Troubleshooting Cisco UCS C-Series
- Lab 3-1: Explore the Cisco UCS GUI and CLI Environment
- Lab 3-2: Configure RBAC and Active Directory Integration
- Lab 3-3: Provision Identity and Resource Pools
- Lab 3-4: Provision Mobile Service Profiles from Updating Templates
- Lab 3-5: Backup and Restore Cisco UCS Manager Database Objects
- Lab 3-6: Configure Logging in Cisco UCS
- Lab 3-7: Troubleshooting Cisco UCS B-Series
- Lab 4-1: Integrating Cisco UCS Manager with Cisco UCS Central
- Lab 4-2: Using the Cisco UCS PowerTool