

Cisco Data Center Unified Computing Implementation (DCUCI)

Course Content: This five-day hands-on course focuses on the Cisco Unified Computing System (Cisco UCS) deployment and operations. Participants will learn how to configure and manage Cisco UCS servers with consolidated I/O networking for LAN and SAN connectivity and how to virtualize server properties to enable simple and rapid mobility of server operating system images between physical servers. Participants will practice configuring fault tolerance, implementing a multitenant management model, backing up and restoring system configurations, and using the built-in monitoring and troubleshooting tools in Cisco UCS Manager.

Course Objectives: Upon completion of this course, the student should be able to:

- Explain how Cisco UCS addresses key problems in Data Center server environments
- Describe the Cisco UCS system architecture, hardware components, and options
- Explain how to connect to and manage Cisco UCS components
- Describe the Cisco UCS Manager
- Explain the connectivity requirements for the Cisco UCS platform
- Describe the process of configuring server profiles to allocate physical resources
- Describe the maintenance processes and high-availability configuration for a Cisco UCS deployment
- Identify common deployment scenarios for Cisco UCS
- Explain how the Cisco Nexus 1000V switch fits in to a VMware server virtualization environment

Prerequisites: The knowledge and skills that a learner must have before attending this course include the following:

- Cisco CCNA® certification or the equivalent level of working knowledge and experience
- Expertise with Cisco Nexus switches
- Familiarity with SAN concepts and Cisco MDS 9000 switches
- VMware Certified Professional (VCP)
- Familiarity with Linux and Windows

Course Outline:

- Benefits of the Cisco Unified Computing System
- The Cisco Unified Computing System Architecture
- Cisco Unified Computing System Connectivity and Management
- The Cisco Unified Computing System Manager
- Compute Node Connectivity
- Implementation of Server Resources
- Cisco Unified Computing System Maintenance
- Cisco Unified Computing System Deployments
- Networks in a Virtual Server Environment





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