Configuring Data Center Unified Computing V 3.0 (DCUCS)

Course ID#: 1575-935-ZZ-W
Hours: 35

Course Content

Course Description:

The Configuring Data Center Unified Computing course is a product training course designed to familiarize data center engineers, architects and Cisco partners with the Cisco UCS Bseries and C-series products. This course prepares individuals for implementing and maintaining Cisco UCS hardware with a strong emphasis on best practices. The Configuring Data Center Unified Computing course also addresses relevant additional features added by Version 2.1 Cisco UCS Software Release.

Prerequisites:

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

- General knowledge of servers
- Routing and switching knowledge
- Storage area networking knowledge
- Server virtualization knowledge

Topics:

Module 1: Describing Cisco UCS B-Series Blade Server Hardware Components

- The Logical View of the Cisco UCS Architecture
- Cisco UCS Manager and Cisco UCS Central Software
- Cisco UCS 5100 Series Blade Server Chassis
- Cisco UCS B-Series Components
- Cisco UCS B-Series Blade Servers
- Cisco UCS B-Series Power Requirements
- How to Determine Supported Configurations

Module 2: Describing Cisco UCS User Interfaces

- Cisco UCS Manager GUI
- Cisco UCS Manager Navigation Panel
- The External Management Framework
- The Finite State Machine
- Fault Detection and Correction Using the Cisco UCS Manager
- How to Connect to Cisco UCS Manager CLI Shells

Module 3: Describe how to configure Cisco UCS B-Series physical connectivity.

- Cisco UCS Cluster Connection Requirements
- Initial Cisco Fabric Interconnect Cluster Setup
- Modify Cisco UCS Cluster IP Addressing from the GUI
- The Discovery Process and Monitoring Using FSM Output
- I/O Uplinks and Bandwidth Oversubscription with the Cisco UCS 2204/2208XP
- Intercluster Communications and Synchronization of the Cisco UCS Manager
- Database
- How the Cisco UCS 5108 SEEPROM Resolves Split-Brain Issues in the HighAvailability Cluster