

DCIUCS - INTRODUCING CISCO UNIFIED COMPUTING SYSTEM V1.0

Course Code: 100611

This introductory course shows you how to deploy, secure, operate and maintain the Cisco Unified Computing system (Cisco UCS) B-Series blade server, Cisco UCS C-Series and S-Series rack servers, and Cisco HyperFlex product family for use in data centers.

EXCLUSIVE TO GLOBAL KNOWLEDGE - Enhance your Cisco learning experience with complimentary access to our Introduction to Cybersecurity On-Demand course, course recordings, IT Resource Library, and digital courseware.

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- Describe Cisco UCS server hardware
- Describe Cisco UCS connectivity
- Describe the Cisco HyperFlex Data Platform, its data writing and reading processes, and data optimization
- Describe and configure Cisco UCS service profiles
- Describe and configure Cisco UCS service profile templates
- Describe and implement Internet Small Computer Systems Interface (iSCSI) on Cisco UCS
- Describe and implement Cisco UCS firmware updates
- Describe and implement Cisco UCS backups

This course is eligible for 12 Continuing Education Credits (ILT & ELT Modality).

What You'll Learn

- Learn how to implement and maintain Cisco UCS servers
- Gain knowledge and skills through Cisco's unique combination of lessons and hands-on practice using enterprise-grade Cisco learning technologies, data center equipment, and software

- Prepare for data center job roles

Who Needs to Attend

- Server administrators
- Network engineers
- Systems engineers
- Consulting systems engineers
- Technical solutions architects
- Network administrators
- Storage administrators
- Network managers
- Sales engineers
- Cisco integrators and partners

Prerequisites

To fully benefit from this course, you should have the following knowledge and skills:

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

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CLASSROOM LIVE

\$2,100 USD

2 Day

Classroom Live Outline

- Describing Cisco UCS Server Hardware
- Cisco UCS B-Series Blade Servers
- Cisco UCS C-Series Rack Servers
- Cisco UCS S-Series Rack Servers
- Cisco Virtual Interface Cards
- Hyperconvergence Overview
- Cisco HyperFlex HX-Series Servers
- Describing Cisco UCS Connectivity
- Cisco UCS Fabric Interconnect
- Cisco UCS B-Series Connectivity
- Cisco UCS C-Series Connectivity
- Cisco UCS S-Series Connectivity
- Cisco HyperFlex Connectivity Architecture
- Cisco HyperFlex Edge Connectivity
- Cisco UCS Fabric Interconnect Ethernet End-Host Mode Compared to Switching Mode
- Cisco UCS Fabric Interconnect Uplink Pinning
- Cisco UCS C-Series Integration
- Describing the Cisco HyperFlex HX Data Platform
- Cisco HyperFlex HX Data Platform Software
- Writing Data to Cisco HyperFlex HX Data Platform
- Reading Data from Cisco HyperFlex HX Data Platform
- Data Optimization in Cisco HyperFlex HX Data Platform
- Configuring Cisco UCS Service Profiles
- Portability Issue with Nonabstracted Identities
- Cisco UCS Service Profile
- Identity Pools

- Server Pools
- IP Pools
- Configuring Cisco UCS Service Profile Templates
- Service Profile Templates
- Implementing iSCSI on Cisco UCS
- iSCSI Addressing
- iSCSI Support in Cisco UCS
- Implementing Cisco UCS Firmware Updates
- Update Cisco UCS C-Series Server Firmware
- Download Tasks for the Infrastructure Image
- Download Tasks for Cisco UCS B-Series Firmware Packages
- Best Practices for Updating Firmware in Cisco UCS Manager
- Firmware Upgrades Using Auto Install
- Capability Catalog Updates
- Host Firmware Packages
- Driver Updates for Operating Systems and Hypervisors
- Implementing Cisco UCS Backups
- Compare Backup Options in Cisco UCS Manager
- Compare Two Import Types
- Policy Backup

Classroom Live Labs

- Explore Cisco UCS Manager GUI
- Configure Server and Uplink Ports
- Configure VLANs
- Configure Basic Identity Pools
- Configure a Cisco UCS Service Profile Using Pools
- Configure a Service Profile Template
- Configure an iSCSI Service Profile on Cisco UCS
- Perform Backup and Restore Activities

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VIRTUAL CLASSROOM LIVE

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2 Day

Virtual Classroom Live Outline

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- Cisco UCS S-Series Rack Servers
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Jul 10 - 11, 2025 | 8:30 AM - 4:30 PM EDT

Nov 24 - 25, 2025 | 8:30 AM - 4:30 PM EST



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ON-DEMAND

\$750 USD



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PRIVATE GROUP TRAINING

2 Day

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