

# Introducing Cisco Unified Computing System (DCIUCS)

ID DCIUCS Price 1,995.— €(excl. tax) Duration 2 days

## Course Overview

The Introducing Cisco Unified Computing System (DCIUCS) v1.0 is an introductory course that shows you how to deploy, secure, operate, and maintain the Cisco Unified Computing system (Cisco UCS®) B-Series blade servers, Cisco UCS C-Series and S-Series rack servers, and Cisco HyperFlex™ product family for use in data centers. You will gain hands-on practice on basic Cisco UCS server configuration, performing backup and restore activities, and more.

## Who should 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

These Cisco courses are recommended to help you meet these prerequisites:

- [Implementing and Administering Cisco Solutions \(CCNA\) v2.1](#)
- [Understanding Cisco Data Center Foundations \(DCFNDU\)](#)
- [Implementing and Operating Cisco Data Center Core Technologies \(DCCOR\)](#)

## Course Objectives

This course will help you:

- 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

After taking this course, you should be able to:

- 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

## Detailed Course 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

# About Fast Lane



Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

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- ✓ E-Learning
- ✓ Blended & Hybrid Learning
- ✓ Mobile Learning

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