

# Configuring Cisco Unified Computing System (DCCUCS)

ID DCCUCS Price 2,595.— €(excl. tax) Duration 3 days

## Course Overview

The Configuring Cisco Unified Computing System (DCCUCS) v1.0 shows you how to deploy, secure, operate, and maintain Cisco Unified Computing System (Cisco UCS) B-series blade servers, Cisco UCS C-Series, and S-Series rack servers for use in data centers. You will learn how to implement management and orchestration software for Cisco UCS. You will gain hands-on practice on: configuring key features of Cisco UCS, Cisco UCS Director, and Cisco UCS Manager; implementing UCS management software including Cisco UCS Director, Cisco UCS Manager, and Cisco Intersight; and more.

This course can be used to prepare for the new CCNP Data Center and CCIE Data Center certifications.

## Course Benefits

This course will help you:

- Gain in-depth experience implementing and maintaining Cisco UCS servers to help you accelerate and provide robust UCS deployments
- 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 the new CCNP Data Center and CCIE Data Center certifications, that will be available beginning February 24, 2020

## Who should attend

- Server administrators
- Network engineers
- Systems engineers
- Consulting systems engineers
- Technical solutions architects
- Network administrators
- Storage administrators
- Network managers
- 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 knowledge
- Storage area networking knowledge
- Server virtualization knowledge

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 \(DCCOR\)](#)
- [Introducing Cisco Unified Computing System \(DCIUCS\)](#)

## Course Objectives

After taking this course, you should be able to:

- Describe and implement Fibre Channel, zoning, and NPV features on Cisco UCS
- Describe and implement FCoE on Cisco UCS
- Describe Cisco UCS policies for service profiles
- Describe Cisco Adapter FEX and Single Root I/O Virtualization
- Describe and implement RBAC on Cisco UCS
- Describe and implement external authentication providers on Cisco UCS Manager
- Describe and implement key management on Cisco UCS Manager
- Describe and implement Cisco UCS Director
- Describe and implement Cisco Intersight
- Describe the scripting options for Cisco UCS Manager
- Describe and implement monitoring on Cisco UCS Manager

## Detailed Course Outline

## **Implementing Cisco UCS Storage Area Network (SAN)**

- SAN Introduction
- Cisco UCS Fabric Interconnect Fibre Channels modes Named VSANs
- Cisco UCS Fibre Channel and FCoE Storage Connectivity

## **Describing Cisco UCS Policies for Service Profiles**

- Storage Policies
- BIOS Policies
- Boot Policy
- IPMI Policies
- Scrub Policies
- Maintenance Policies

## **Describing Cisco Adapter FEX and Single Root I/O Virtualization**

- Cisco FEX Overview
- Cisco Adapter FEX
- Single Root I/O Virtualization

## **Implementing RBAC on Cisco UCS**

- RBAC in Cisco UCS
- Users, Roles, and Privileges
- Functions of Organizations and Locales
- Effective Rights of a User

## **Implementing External Authentication Providers**

- Options for External Authentication Providers

## **Implementing Key Management on Cisco UCS Manager**

- Public Key Infrastructure

## **Implementing Cisco UCS Director**

- Cisco UCS Director Overview
- Policies, Virtual Data Centers, and Catalogs
- Cisco UCS Director Virtualization Support
- Managing Compute with Cisco UCS Director
- Cisco UCS Manager Orchestration
- Self-Service Portal
- Reporting and Monitoring in Cisco UCS Director

## **Implementing Cisco Intersight**

- Cisco UCS Director Overview

- Important Features of Cisco Intersight

## **Describing the Scripting Options for Cisco UCS**

- Cisco UCS Manager XML API
- Cisco UCS Management Information Tree
- Managed Object Browser
- Cisco UCS Manager PowerTool
- Cisco UCS Python SDK

## **Implementing Monitoring on Cisco UCS Manager**

- Logging Sources in Cisco UCS Manager
- Port Monitoring Capabilities of Cisco UCS Manager
- SNMP Security Ramifications
- Cisco UCS Manager Call Home Feature

# 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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- ✓ Instructor-Led Online Training
- ✓ FLEX Classroom – Classroom & Online Hybrid
- ✓ Onsite & Customized Training
- ✓ E-Learning
- ✓ Blended & Hybrid Learning
- ✓ Mobile Learning

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