

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 \(CCNA\) v2.2](#)
- [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



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Germany

Fast Lane Institute for Knowledge
Transfer GmbH

Tel. +49 40 25334610

info@flane.de / www.flane.de

Austria

ITLS GmbH

(Partner of Fast Lane)

Tel. +43 1 6000 8800

info@itls.at / www.itls.at

Switzerland

Fast Lane Institute for Knowledge
Transfer (Switzerland) AG

Tel. +41 44 8325080

info@flane.ch / www.flane.ch