

This course 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: configuring key features of Cisco UCS, Cisco UCS Director, and Cisco UCS Manager; implementing UCS management software including Cisco UCS Manager and Cisco Intersight™; and more.

Course Contents

- Implementing Cisco UCS Storage Area Network (SAN)
- Describing Cisco UCS Policies for Service Profiles
- Describing Cisco Adapter FEX and Single Root I/O Virtualization
- Implementing RBAC on Cisco UCS
- Implementing External Authentication Providers
- Implementing Key Management on Cisco UCS Manager
- Implementing Cisco UCS Director
- Implementing Cisco Intersight
- Describing the Scripting Options for Cisco UCS Manager
- Implementing Key Management on Cisco UCS Manager
- Implementing Cisco Intersight
- Describing the Scripting Options for Cisco UCS Manager
- Implementing Monitoring on Cisco UCS Manager

E-Book You will receive the original course documentation from Cisco in English language as a Cisco E-Book. In the Cisco Digital Learning Version, the content of the courseware is integrated into the learning interface instead.

Target Group

- 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

Processing time
approx. 18 hours

Status 04/14/2023

This Course in the Web



You can find the up-to-date information and options for ordering under the following link:

www.experteach-training.com/go/DCUC

Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

Cisco Digital Learning

This course is available in the Cisco Digital Learning Library. These recently developed, multi-modal training events include HD videos moderated by lecturers with stored searchable text and subtitles, as well as exercises, labs, and explanatory text and graphics. We provide this offer to you via our myExperTeach learning portal. Effective of the activation of the account, access to the courses will be granted for a duration of 6 months. In the case of packet solutions (Cisco Digital Learning Subscriptions), this time period will amount to 12 months.

Cisco Digital Learning	Prices, excl. of V.A.T.
	€ 1,000

Training	Prices, excl. of V.A.T.
Classes in Germany	3 Days € 2,195
Online Training	3 Days € 2,195
Date/course venue	Course language German
19/07-21/07/23	31/01-02/02/24
19/07-21/07/23	31/01-02/02/24



Table of Contents

DCCUCS – Configuring Cisco Unified Computing System

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 and Profiles
Basic Input Output System (BIOS) Policies
Boot Policy
Intelligent Platform Management Interface (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 Manager
Cisco UCS Manager XML API
Cisco UCS Management Information Tree
Managed Object Browser

Cisco UCS PowerTool
Cisco UCS Python Software Development Kit (SDK)
Implementing Key Management on Cisco UCS Manager
Public Key Infrastructure
Implementing Cisco Intersight
Cisco Intersight Overview
Important Features of Cisco Intersight
Describing the Scripting Options for Cisco UCS Manager
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
Simple Network Management Protocol (SNMP)
Security Ramifications
Cisco UCS Manager Call Home Feature

Lab Outline

Configure Pod-Specific Device Aliases
Configure Zoning
Configure VSANs in Cisco UCS Manager
Configure Unified Ports on Cisco UCS Fabric Interconnects
Install and Boot VMware Elastic Sky X Integrated (ESXi) on Cisco UCS from the FCoE Logical Unit

Number (LUN) via FCoE

Configure RBAC
Configure Cisco UCS Manager to Authenticate Users via Open Lightweight Directory Access Protocol

(OpenLDAP)

Configure a Trusted Point and Key Ring in Cisco UCS Manager
Configure Cisco UCS with Cisco Intersight
Configure Cisco UCS Manager Using Scripting
Implement Syslog and Call Home

