

Cisco UCS Director Foundation Training (UCSDF)

Course Summary

Description

The Cisco UCS Director Foundation (UCSDF) course helps you understand concepts, architecture, and deployment use cases for Cisco UCS Director. You will gain hands-on experience in deploying basic Cisco UCS Director solutions. You will also practice using core features that most implementations require, such as services design, using the self-service portal for provisioning services, creating workflows that enable cloud automation and standardize IT services, and more.

Objectives

By the end of this course, students will be able to:

- Understand Cisco UCS Director architecture
- Understand deployment models of Cisco UCS Director
- Configure virtual data centers, policies, and catalogs
- Understand the unified infrastructure management capabilities of Cisco UCS Director
- Understand orchestration and build advanced workflows
- Understand application containers

Topics

- Introducing Cisco UCS Director
- Understanding Cisco UCS Director Components
- Understanding Cisco UCS Director Deployment
- Understanding Cisco UCS Director Infrastructure Management
- Understanding the Design Phase
- Understanding Deployment through Self-Service Portal
- Introducing Orchestration
- Reporting and Monitoring in Cisco UCS Director
- Introducing Application Containers

Audience

The primary audience for this course is as follows:

- Data Center Architects
- Cloud infrastructure Architects
- Network Engineers
- System Administrators
- Storage Administrators
- System Engineers who work in data center solutions and manage data center management policies
- Cisco Integrators and Partners

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Course Summary (cont.)

Prerequisite

The knowledge and skills that a learner should have before attending this course are as follows:

- General knowledge of cloud and data center virtualization
- Knowledge of Cisco UCS, NetApp storage, Cisco Nexus switches, and VMware vCenter
- Knowledge of data center processes and best practices

Duration

Three Days

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Course Outline

- I. *Introducing Cisco UCS Director***
 - A. Understanding Data Center Challenges
 - B. Understanding the Benefits of Cisco UCS Director
- II. *Understanding Cisco UCS Director Components***
 - A. Explaining Cisco UCS Director Architecture
 - B. Explaining Bare-Metal Agent
- III. *Understanding Cisco UCS Director Deployment***
 - A. Explaining Cisco UCS Director Deployment
 - B. Explaining Global System Settings
 - C. Understanding Site and Pod Management
- IV. *Understanding Cisco UCS Director Infrastructure Management***
 - A. Understanding Cisco UCS Director Deployment
- V. *Understanding the Design Phase***
 - A. Understanding Policies
 - B. Understanding vDC and Groups Use Case
- VI. *Understanding Deployment through Self-Service Portal***
 - A. Understanding Self-Service Provisioning Portal
 - B. Understanding Service Request
- VII. *Introducing Orchestration***
 - A. Understanding Orchestration
- VIII. *Reporting and Monitoring in Cisco UCS Director***
 - A. Understanding Chargeback in Cisco UCS Director
 - B. Understanding Reports in Cisco UCS Director
- IX. *Introducing Application Containers***
 - A. Understanding Application Containers
 - Lab Outline
 - Lab 1: Configure Cisco UCS Director
 - Lab 2: Cisco UCS Director Discovery
 - Lab 3: Cisco UCS Director GUI Familiarization
 - Lab 4: Service Design
 - Lab 5: Catalogs
 - Lab 6: Self-Service Portal
 - Lab 7: Orchestration Workflow Design
 - Lab 8: Advanced Workflow Design