

Cisco UCS Director Foundation (UCSDF) v6.6

What you'll learn in this course

The Cisco UCS Director Foundation (UCSDF) v6.6 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.

Course duration

- Instructor-led training: 3 days in the classroom with hands-on lab practice
- Virtual instructor-led training: 3 days of web-based classes with hands-on lab practice

How you'll benefit

This course will help you:

- Learn how to deploy Cisco UCS Director to replace manual configuration and provisioning processes with orchestration to optimize and simplify delivery of private cloud and data center Infrastructure as a Service (IaaS)
- Gain knowledge and skills through Cisco's unique combination of lessons and hands-on practice using enterprise-grade Cisco® learning technologies, Cisco cloud solutions, and software
- Be the technical consultant on deployment options and give technical demonstrations

Who should enroll

- 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

Technology areas

- Cloud

Course details

Objectives

After taking this course, you should 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

Prerequisites

To fully benefit from this course, you should have the following knowledge before attending:

- 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

Outline

- Introducing Cisco UCS Director
 - Understanding Data Center Challenges
 - Understanding the Benefits of Cisco UCS Director
- Understanding Cisco UCS Director Components
 - Explaining Cisco UCS Director Architecture
 - Explaining Bare-Metal Agent
- Understanding Cisco UCS Director Deployment
 - Explaining Cisco UCS Director Deployment
 - Explaining Global System Settings
 - Understanding Site and Pod Management
- Understanding Cisco UCS Director Infrastructure Management
 - Understanding Cisco UCS Director Deployment
- Understanding the Design Phase
 - Understanding Policies
 - Understanding vDC and Groups Use Case
- Understanding Deployment Through the Self-Service Portal
 - Understanding the Self-Service Provisioning Portal
 - Understanding Service Request
- Introducing Orchestration

- Understanding Orchestration
- Reporting and Monitoring in Cisco UCS Director
 - Understanding Chargeback in Cisco UCS Director
 - Understanding Reports in Cisco UCS Director
- Introducing Application Containers
 - Understanding Application Containers

Lab outline

- Configure Cisco UCS Director
- Cisco UCS Director Discovery
- Cisco UCS Director GUI Familiarization
- Service Design
- Catalogs
- Self-Service Portal
- Orchestration Workflow Design
- Advanced Workflow Design
- Create an Application Container