

UCS Director Implementation Fundamentals

Overview

A hands-on course that helps you understand the concepts, architecture and deployment use cases for Cisco UCS Director. You will learn how to implement basic Cisco UCS Director solutions with specific focus on the core features that most Cisco UCS Director implementations require. Services Design, using the self-service portal for provisioning services, creating workflows that enable cloud automation and standardise IT services are a just a few of the features incorporated. You should at the end of this course be able to build effective business processes around infrastructure automation and orchestration.

This course is worth 30 Credits in the Continuing Education Program

Audience

UCS System Engineers involved in the deployment and management of data center solutions utilising Cisco UCS Director

Skills Gained

After completing 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

Attendees should meet the following prerequisites:

- General knowledge of cloud and datacenter virtualization
- Knowledge of Cisco UCS, NetApp Storage, Nexus, and VMware vCenter - **DCUCI** , **DCII** and **VSICM** recommended.
- Knowledge of datacenter processes and best practices

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 the Design Phase

- Understanding Policies
- Understanding vDC and Groups Use Case

Understanding Deployment through Self-Service Portal

- Understanding Self-Service Provisioning Portal
- Understanding Service Requests

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

Labs

- 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
- Lab 9: Create Application Container

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