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Learning Style: Virtual Classroom

Provider: Cisco

Difficulty: Intermediate

Course Duration: 3 Days

Cisco UCS Director Foundation v6.6 (UCSDF)

About this course:

The *UCSDF - Cisco UCS Director Foundation 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 Objective:

- Understand Cisco UCS Director architectures
- 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

Audience:

- 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

Prerequisite:

Learners should have the following knowledge and skills before attending this course:

- 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

Course Outline:

Module 1: Introducing Cisco UCS Director

- Lesson 1: Understanding Data Center Challenges
- Lesson 2: Understanding the Benefits of Cisco UCS Director

Module 2: Understanding Cisco UCS Director Components

- Lesson 1: Explaining Cisco UCS Director Architecture
- Lesson 2: Explaining Bare-Metal Agent

Module 3: Understanding Cisco UCS Director Deployment

- Lesson 1: Explaining Cisco UCS Director Deployment
- Lesson 2: Explaining Global System Settings
- Lesson 3: Understanding Site and Pod Management

Module 4: Understanding Cisco UCS Director Infrastructure Management

- Lesson 1: Understanding Cisco UCS Director Deployment

Module 5: Understanding the Design Phase

- Lesson 1: Understanding Policies
- Lesson 2: Understanding vDC and Groups Use Case

Module 6: Understanding Deployment through Self-Service Portal

Lesson 1: Understanding Self-Service Provisioning Portal

Lesson 2: Understanding Service Request

Module 7: Introducing Orchestration

Lesson 1: Understanding Orchestration

Module 8: Reporting and Monitoring in Cisco UCS Director

Lesson 1: Understanding Chargeback in Cisco UCS Director

Lesson 2: Understanding Reports in Cisco UCS Director

Module 9: Introducing Application Containers

Lesson 1: Understanding Application Containers

Labs:

- Guided Lab 1: Configure Cisco UCS Director
- Guided Lab 2: Cisco UCS Director Discovery
- Guided Lab 3: Cisco UCS Director GUI Familiarization
- Guided Lab 4: Service Design
- Guided Lab 5: Catalogs
- Guided Lab 6: Self-Service Portal
- Guided Lab 7: Orchestration Workflow Design
- Guided Lab 8: Advanced Workflow Design
- Guided Lab 9: Create Application Container

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