

## COURSE OUTLINE

# UCSDACI - Designing and Deploying Cisco UCS Director with ACI v6.6

**Duration: 1 Day**

**Prerequisites:**

The knowledge, skills, and attitudes that a learner is expected to have before attending this course are as follows:

- Understanding of server design and architecture
- Familiarity with Cisco UCS, Cisco ACI, Server Virtualization, and Storage Concepts

**Objectives:**

Upon completion of this course, you will be able to:

- Data center challenges and cloud solutions
- Cisco UCS Director architecture
- Cisco UCS Director setup and configuration
- Cisco ACI
- Multi tenancy in FlexPod Cisco ACI infrastructure
- Resource groups and service offerings
- Tenant onboarding
- Self-service provisioning
- Application containers

**Target Audience:**

- Data center architects
- Cloud infrastructure architects
- Network engineers
- System administrators
- Storage administrators
- Engineers requiring advanced configuration skills
- Cisco integrators and partners

**Course Description:**

The Designing and Deploying Cisco UCS Director with ACI (UCSDACI) v6.6 certification & training course shows you how to use Cisco UCS® Director software to manage physical and virtual infrastructure elements, including Cisco Application Centric Infrastructure (Cisco ACI™). You will learn to use orchestration and automation functions of Cisco UCS Director to effectively manage infrastructure and automate IT processes. The course offers hands-on experience installing and configuring Cisco UCS Director software. You will also learn about features such as bare-metal provisioning; compute, network, and storage management; orchestration, including Application Policy Infrastructure Controller (APIC); Cisco UCS Director custom tasks, and more.

**Course Outlines:**

**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: Introducing Cisco Application Centric Infrastructure**

- Lesson 1: Understanding Cisco ACI Overview
- Lesson 2: Understanding Cisco ACI Terms and Constructs

**Module 4: Understanding Cisco UCS Director Infrastructure Management**

- Lesson 1: Understanding Cisco UCS Director Deployment

**Module 5: Introducing Role-Based Access Control**

- Lesson 1: Explaining User Groups/ Roles/ Users

**Module 6: Introducing Orchestration**

- Lesson 1: Understanding Orchestration

**Module 7: Introducing Cisco UCS Director with ACI**

- Lesson 1: Explaining Cisco UCS Director with ACI Solution

**Module 8: Understanding Multi-Tenancy with Cisco UCS Director ACI**

- Lesson 1: Explaining Multi-Tenancy with Cisco UCS Director ACI
- Lesson 2: Understanding Resource Groups and Service Offerings

**Module 9: Introducing Advanced Tenant Onboarding**

- Lesson 1: Onboarding a Tenant
- Lesson 2: Tagging Resources

**Module 10: Introducing Application Containers**

- Lesson 1: Understanding Application Profiles
- Lesson 2: Understanding Service Container Catalog

**Module 11: Understanding Deployment Through Self-Service Portal**

- Lesson 1: Understanding Self-Service Provisioning Portal
- Lesson 2: Understanding Service Request

**Module 12: Understanding Virtual Data Center**

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

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