

# UCS Director Foundation (Non-ACI)

Course ID: ECSUCSDNA2D



## Course Description

This two-day hands-on course covers design, implementation, operation, and advanced configuration of Cisco UCS Director, and is designed to serve the needs of engineers seeking to understand the capabilities of UCS Director from a pre- and post-deployment perspective.

## Learning Objectives

After this course you should be able to understand:

- + UCS Director Architecture
- + UCS Director Setup and Configuration
- + Discovery and Catalog Creation
- + Self Service Provisioning
- + Application Containers

## Who Should Attend

- + Data Center Architects
- + Cloud Infrastructure Architects
- + Network Engineers
- + System Administrators
- + Storage Administrators
- + Engineers Requiring Advanced Configuration Skills

## Prerequisites

- + Understanding of server design and architecture
- + Familiarity with Cisco UCS
- + Familiarity with Ethernet and TCP/IP
- + Familiarity with server virtualization
- + Familiarity with storage concepts

## Course Content (continued on next page)

### Module 1: Introduction

#### Lesson 1: Overview

- + Data Center Challenges
- + Cloud Layer Overview
- + UCSD Overview
- + Support Matrix
- + Management Features

### Module 2: UCSD Components

#### Lesson 1: Architecture

- + UCSD Architecture
- + BMA Architecture
- + Deployment Models

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(2 Days)

## Course Content

### Module 3: UCSD

#### Deployment

##### Lesson 1: Deployment

- + UCSD Installation
- + OVF Deployments
- + UCSD Shell Admin
- + UCSD – BMA Configuration

##### Lesson 2: Global System Settings

- + Licensing
- + Mail Setup
- + System Parameters
- + Authentication Preferences
- + Support Information

##### Lesson 3: Site and POD Management

**Lab 1:** UCSD and BMA Installation

### Module 4: UCSD

#### Infrastructure Elements Management

##### Lesson 1: Discovery

- + Discovery Overview
- + Virtual Infrastructure Discovery
- + Physical Infrastructure Discovery

**Lab 2:** Discovery

**Lab 3:** UI Familiarization

### Module 5: UCSD Design

#### Lesson 1: Policies

- + Computing
- + Network
- + Storage
- + Service Delivery

#### Lesson 2: User Groups

- + Group Budget Policy
- + Resource Limits

#### Lesson 3: Users

- + User Roles
- + Manage User Profiles

#### Lesson 4: Virtual Data Center (vDC)

#### Lesson 5: Catalog

**Lab 4:** Services Design

**Lab 5:** Catalog

### Module 6: Deploy

#### Lesson 1: Deploy

- + Self Service Provisioning
- + Service Requests

**Lab 6:** Self Service Portal

### Module 7: Orchestration

#### Lesson 1: Orchestration

- + Tasks and Workflows
- + Workflow Templates

**Lab 7:** Advanced Catalog

- + Advanced Catalog
- + Workflow Designer

**Lab 8:** Workflow Design

### Module 8: Operate

#### Lesson 1: Operate

- + Chargeback
- + Reporting
- + Building custom reports using the report builder

### Module 9: Application Containers

#### Lesson 1: Overview

Understanding Application Containers

**Lab 9:** Setting up Application Containers with a Linux firewall

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