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
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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