Learning Services

Cisco Training on Demand

Introducing Cisco Cloud Administration (CLDADM)

Cisco Training on Demand

Overview

Introducing Cisco[®] Cloud Administration (CLDADM) Version 1.1 is a Cisco Training on Demand course. It provides you with the necessary knowledge and skills to perform the essentials of cloud administration and operations. Furthermore, it prepares you for the 210-455 CLDADM exam, one of the two exams necessary to achieve CCNA[®] Cloud certification. You learn the basic features and operations of Cisco UCS[®] Director and Cisco Intelligent Automation for Cloud products. It includes coverage of cloud provisioning, management, monitoring, reporting, charge-back models, and remediation.

Interested in purchasing this course in volume at discounts for your company? Contact ctod-sales@cisco.com.

Duration

The CLDADM Training on Demand course is a self-paced course based on the 5-day instructor-led training version. It consists of 18 sections of instructor video and text totaling more than 3 hours of instruction along with interactive activities, 24 hands-on lab exercises, content review questions, and challenge questions.

Target Audience

This course is designed for cloud engineers, cloud administrators, cloud infrastructure architects, and Cisco integrators and partners who operate and support Cisco cloud products and solutions, as well as those preparing for the 210-455 exam.

Objectives

After completing this course, you should be able to:

- Describe Cisco UCS Director
- Describe the Cisco Prime™ Service Catalog
- Describe Cisco Virtual Application Container Services
- Identify the components of the Cisco cloud management software solution
- Understand the fundamentals of cloud infrastructure administration
- Explain reporting and charge back
- Provision clouds using preconfigured templates
- Perform cloud management, monitoring, and remediation

Course Prerequisites

The knowledge and skills recommended before attending this course are:

- The topics covered in the Cisco Cloud Fundamentals course
- Understanding common cloud characteristics and cloud service models
- Understanding server virtualization, infrastructure virtualization, and reference architectures for converged infrastructure

Course Outline

- Section 1: Reviewing Cloud Environments
- Section 2: Reviewing the Virtual Infrastructure
- Section 3: Understanding Cisco UCS Director
- Section 4: Understanding the Cisco Cloud Solution
- Section 5: Administering the Portal in Cisco UCS Director
- Section 6: Describing VM Operations in Cisco UCS Director
- Section 7: Describing Cisco PSC Services
- Section 8: Deploying Cisco UCS Templates with Cisco UCS Director
- Section 9: Explaining Cisco UCS Director Application Containers
- Section 10: Describing Basics of Cisco Virtual Application Container Services
- Section 11: Understanding System Monitoring in Cisco UCS Director
- Section 12: Monitoring Dashboards in Cisco UCS Director
- Section 13: Reporting in Cisco UCS Director (CloudSense)
- Section 14: Creating Budget and Resource Limits in Cisco UCS Director
- Section 15: Describing Cisco UCS Performance Manager
- Section 16: Configuring Serviceability Options
- Section 17: Interpreting Logs for Root Cause Analysis
- Section 18: Reviewing Backup Cisco UCS Director Configurations

Labs Outline

This course contains 24 hands-on lab exercises.

Figure 1. Topology for All Labs in Introducing Cisco Cloud Administration
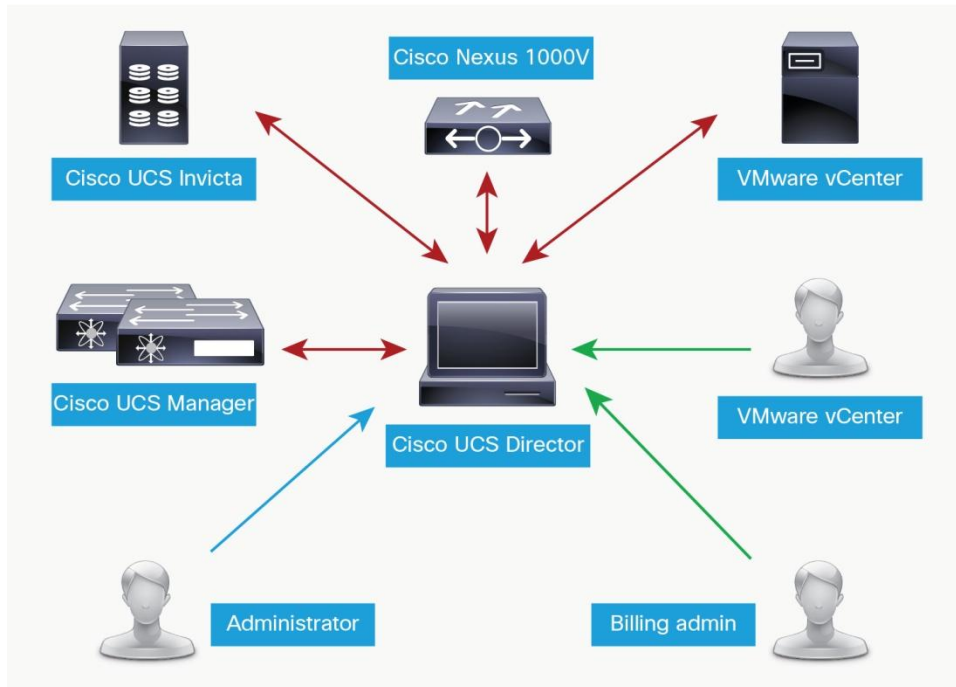
The labs included in this course are:

- Discovery Lab 4.10: Set Up Physical Accounts in Cisco UCS Director
- Discovery Lab 4.11: Register Cisco UCS Manager in Cisco UCS Director
- Discovery Lab 4.12: Register Cisco UCS Invicta in Cisco UCS Director
- Discovery Lab 4.13: Register VMware vCenter in Cisco UCS Director
- Discovery Lab 4.14: Register Cisco Nexus® 1000V VSM in Cisco UCS Director
- Discovery Lab 4.15: Explore Cisco UCS Director Portal as a Billing Administrator User
- Discovery Lab 4.16: Explore Cisco UCS Director Portal as an Operator User
- Discovery Lab 5.24: Analyze Existing Workflows
- Discovery Lab 5.25: Execute a Service Request
- Discovery Lab 6.5: Explore Cisco UCS Director VM Operation Tasks Using Predefined Workflow
- Discovery Lab 7.12: Explore Cisco PSC
- Discovery Lab 8.10: Explore VM, Cisco UCS, and Server Templates in Cisco UCS Director
- Discovery Lab 9.6: Configure Cisco ASAv Deployment Policy
- Discovery Lab 9.7: Configure Tiered Application Gateway Policy
- Discovery Lab 9.8: Configure Virtual Infrastructure Policy
- Discovery Lab 9.9: Configure Application Container Template

- Discovery Lab 9.10: Deploy Two-Tier Application Container
- Discovery Lab 12.6: Explore Cisco UCS Director Monitoring Capabilities
- Discovery Lab 12.7: Explore Cisco UCS Director Built-In Reports
- Discovery Lab 14.10: Explore Monitoring Dashboards in Cisco UCS Director and Generate a Top-N Report
- Discovery Lab 14.11: Explore Charge-Back Reporting Capabilities of Cisco UCS Director
- Discovery Lab 16.8: Enable Serviceability Options in Cisco UCS Director
- Discovery Lab 17.8: Explore Logs in Cisco UCS Director
- Discovery Lab 18.10: Back Up Cisco UCS Director Configuration to a Backup Server

Cisco Capital Financing Helps You Achieve Your Objectives

Cisco Capital® financing can help you acquire the technology you need to achieve your objectives and stay competitive. We can help you reduce capital expenditures (CapEx), accelerate your growth, and optimize your investment dollars and ROI. Cisco Capital financing gives you flexibility in acquiring hardware, software, services, and complementary third-party equipment. And there's just one predictable payment. Cisco Capital financing is available in more than 100 countries. Learn more.