Cisco CloudCenter Administration

Course Summary

Description

This three-day ILT course is for Data Center Engineers who want to take control of their applications using Cisco CloudCenter. This course introduces CloudCenter, walking the student through the system architecture and common tasks. Students will build and manage real applications on multiple live public cloud resources.

Objectives

After taking this course, students will be able to:
- Understand CloudCenter architecture and concepts
- Describe the use cases for CloudCenter
- Configure Cisco CloudCenter in a production environment
- Deploy, Manage and Monitor Applications
- Demonstrate proficiency with hands-on labs on live cloud resources

Topics

- Use Cases & Architecture
- CloudCenter Administration
- Application Modeling and Deployment
- Application Management

Audience

This course is designed for Data Center Engineers and Operations Teams who plan to manage and deploy applications using Cisco CloudCenter.

Prerequisites

Before taking this course, students should have a familiarity with Public Cloud and Private Cloud environments. They should also be familiar with Basic Linux System administration.

Duration

Three days

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Course Outline

I.   Use Cases & Architecture
   A.   Agenda
   B.   Logistics
   C.   Why CloudCenter
   D.   The CloudCenter Solution
   E.   CloudCenter CloudCenter Architecture
   F.   Lifecycle Management
      1.   Model
      2.   Deploy
      3.   Manage
      4.   Administer and Govern

II.   CloudCenter Administration
   A.   Architecture Review
   B.   Workflows
   C.   Administration Objects & Terminology
   D.   Cloud Configuration
   E.   Repository Configuration
   F.   Deployment Environments
   G.   Usage and Fees
   H.   User Administration
   I.   Sub-Tenant Configuration
Lab: Cloud Configuration
Lab: Repository Configuration
Lab: Deployment Environments
Lab: Usage & Fees
Lab: User Administration
Lab: Tenant & Sub-Tenant Configuration

III.   Application Modeling and Deployment
   A.   Modeling an App
   B.   What Makes CloudCenters Click
   C.   Modeling Step-by-Step
   D.   Topology Modeler- Deep Dive
   E.   Deployment
   F.   View Deployment Status
Lab: Model an Application
Lab: Model an Application with Existing Data
Lab: Running Applications on Different Clouds
Lab: Application Runtime Management

IV.   Application Management
   A.   Benchmarking
   B.   Scheduling
   C.   Sharing
   D.   CICD Project Board
   E.   Policies
   F.   Tagging and Governance
   G.   Security Profiles
Lab: Benchmarking
Lab: Scheduling
Lab: Sharing an App
Lab: The Marketplace
Lab: CICD
Lab: Governance
Lab: Policies