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Where Technology Means More®

CloudCenter Boot Camp
Course ID: CCB1116

Course Time:
4 Days

Course Description

This four-day hands-on course covers the administration, installation, and troubleshooting of Cisco CloudCenter. It is designed to serve the needs of individuals who have administrative and deployment responsibilities within CloudCenter that include adding users, configuring RBAC, connecting clouds, creating repos, and defining action policies. It is also designed for application architects responsible for modelling applications within CloudCenter.

Who Should Attend

+ Data Center Architects
+ Cloud Solution Architects
+ Cloud Administrators
+ System Administrators
+ Sales Engineers (SEs)
+ Customer Sales Engineers (CSEs)
+ Technical Solutions Architects (TSAs)

Prerequisites

+ Understanding of server system design and architecture
+ Familiarity with Server Virtualization
+ Familiarity with Cloud Concepts
+ Familiarity with Networking
+ Familiarity with Storage Concepts

CloudCenter Boot Camp
(4 Days)

Course Content (continues on next page)

Module 1: Business Overview
+ Business Challenges
+ Traditional IT Process
+ Why Businesses Are Moving to Cloud
+ Cloud Management Challenges

Module 2: CloudCenter Solution Overview
+ What is Cisco CloudCenter?
+ Use Cases
+ Architecture
+ Deployment Models

Module 3: Public Cloud Primer
+ Public Cloud Providers
+ Regions and Availability Zones
+ AWS Global Infrastructure
+ Core Services
+ Machine Images and Instance Types
+ Connecting to AWS EC2 Instance

Module 4: Administration
+ Overview
+ Cloud Configuration
+ Repository Configuration
+ Deployment Environments
+ Usage and Fees
+ User Administration
+ Sub Tenant Configuration

Module 5: Application Modeling Overview
+ Application Modeling
+ Gathering Requirements
+ Modeling an Application Overview
+ Deploying an Application
+ Steps to Deploy Basic Single VM

Module 6: Deploying Advanced Applications
+ Considerations for automating

Module 7: Parameters
+ Parameters Overview
+ Parameter Types
+ Custom Parameters
+ Using Macros For Arguments and Config Files
+ Passing Parameters within Scripts

Module 8: Deployment Lifecycle
+ Scripting Overview
+ Deployment Workflow Example

Module 9: Building Custom Services
+ Building Custom Services Walkthrough
+ Service Deployment Workflow

Module 10: Multi-Cloud App Deployments
+ Deploying an Application Across Multiple Clouds
+ Deployment Considerations

Module 11: ACI Integration
+ ACI Integration Overview
+ Configuring Cloud For ACI
+ Enabling Micro-Segmentation in an Application

Module 12: UCS Director Integration
+ UCS Director Overview
+ Cloud Center Integration Walkthrough

CloudCenter Boot Camp
(4 Days)

Course Content

Module 13: Application Benchmarking
+ Overview
+ Benchmarking Walkthrough

Module 14: Application Scheduling
+ Configuring Application Scheduling

Module 15: Sharing
+ Sharing Objects in CloudCenter
+ Sharing between Tenants

Module 16: CloudCenter Marketplace
+ Publishing Applications to the Marketplace

Module 17: CICD Integration
+ CICD Project Board
+ Creating Projects
+ Access Control and Permissions
+ Promoting an Application

Module 18: Managing Policies
+ Action, Scaling and Aging Polices

Module 19:Tagging and Governance
+ Tagging and Security Profiles

Module 20: Installation Overview
+ Installer files and file structure
+ Installation Models

Module 21: CCM Overview
+ CCM Overview
+ CCM File structure overview

Module 22: Orchestrator and AMQP Overview
+ Overview of CCO and AMQP
+ CCO and AMQP File structure

Module 23: Cloud Setup
+ Orchestrator Installation
+ AMQP Installation
+ AWS Considerations
+ Azure Considerations

Module 24: Worker Installation
+ Sharing Objects in CloudCenter
+ Sharing between Tenants

Module 25: Troubleshooting
+ Accessing Log Files
+ Troubleshooting Installation Issues
+ Troubleshooting Application Deployments

To register for an ePlus cloud training course, contact us today.

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