

Automating the Cisco Enterprise Cloud - On Demand (CLDAUT 1.1)

Modality: On Demand

Duration: 40 Hours

CLC: 15 Units

Course Outline:

Module 1: Manage Private Cloud Infrastructure for IaaS

- Lesson 1: Describing Cloud Automation and Management
- Lesson 2: Describing Cisco ONE Enterprise Cloud Suite and Cloud Management
- Lesson 3: Managing Devices for a Cloud Tenant Using Cisco UCS Director
- Lesson 4: Managing Infrastructure Policies for IaaS Using Cisco UCS Director
- Lesson 5: Managing VDCs in Cisco UCS Director
- Lesson 6: Managing Workflows in an IaaS Tenant Cloud
- Lesson 7: Managing Self-Service Provisioning in Cisco UCS Director
- Lesson 8: Module Summary
- Lesson 9: Module Self-Check

Module 2: Manage Private IaaS Catalog with Cisco PSC

- Lesson 1: Publishing Cisco UCS Director Services in Cisco PSC
- Lesson 2: Ordering IaaS Services as an End User Using Cisco PSC
- Lesson 3: Module Summary
- Lesson 4: Module Self-Check

Module 3: Cisco VACS for Provisioning Private IaaS with Network Automation

- Lesson 1: Identifying Cisco VACS
- Lesson 2: Defining the Policies for Containers
- Lesson 3: Creating a Cisco VACS 3-Tier Internal Template Automation
- Lesson 4: Creating a Cisco VACS 3-Tier External Template Automation
- Lesson 5: Publishing Discovered Cisco VACS Services in Cisco PSC
- Lesson 6: Module Summary
- Lesson 7: Module Self-Check

Module 4: Application Provisioning and Life-Cycle Management

- Lesson 1: Ordering a Virtual Server Using Cisco PSC
- Lesson 2: Ordering a Physical Server Using Cisco PSC
- Lesson 3: Ordering a Multi-Tier Application Container Using Cisco PSC
- Lesson 4: Managing Application Containers
- Lesson 5: Manage Life Cycles of Cloud Resources
- Lesson 6: Managing Snapshots
- Lesson 7: Module Summary

- Lesson 8: Module Self-Check

Module 5: Manage Intercloud Fabric Connectivity for IaaS in Hybrid Cloud

- Lesson 1: Configuring Intercloud Fabric Connectivity
- Lesson 2: Managing VM Templates to Deploy New Workloads
- Lesson 3: Managing Intercloud Fabric Infrastructure
- Lesson 4: Managing Routing Policies for Secure VM Communication in the Hybrid Cloud
- Lesson 5: Module Summary
- Lesson 6: Module Self-Check

Labs

- Lab 1: Create a Multitenant Cloud in Cisco UCS Director
- Lab 2: Configure and Manage Policies for Multitenant Cloud in Cisco UCS Director
- Lab 3: Manage VDCs and VDC Applications
- Lab 4: Create Workflow Parameters in Cisco UCS Director
- Lab 5: Creating a Cisco UCS Director Workflow for Baremetal Provisioning
- Lab 6: Clone Container Policies
- Lab 7: Configure Resource Pools
- Lab 8: Managing Cisco VACS 3- Tier Internal and External Templates
- Lab 9: Configure and Manage Catalogs in Cisco UCS Director
- Lab 10: Create Self-Service Provisioning Requirements in Cisco UCS Director
- Lab 11: Discover Cisco UCS Director Catalogs and Templates, and Order VM or Application Stacks as an End User
- Lab 12: Life-Cycle Management with Cisco PSC