UCSDACI

Designing and Deploying Cisco UCS Director with ACI

32 horas | Data Center & Cloud | Cisco

INTRODUÇÃO

The Designing and Deploying Cisco UCS Director with ACI (UCSDACI) v6.6 course shows you how to use Cisco UCS® Director software to manage physical and virtual infrastructure elements, including Cisco Application Centric Infrastructure (Cisco ACI™). You will learn to use orchestration and automation functions of Cisco UCS Director to effectively manage infrastructure and automate IT processes. The course offers hands-on experience installing and configuring Cisco UCS Director software. You will also learn about features such as bare-metal provisioning; compute, network, and storage management; orchestration, including Application Policy Infrastructure Controller (APIC); Cisco UCS Director custom tasks, and more.

This course will help you:

• Learn how to use Cisco UCS Director to automate provisioning, orchestration, and management of infrastructure resources;

• Gain knowledge and skills through Cisco’s unique combination of lessons and hands-on practice using enterprise-grade Cisco learning technologies, and Cisco cloud solution and software.

OBJETIVO DO CURSO

After taking this course, you should understand:

• Data center challenges and cloud solutions;

• Cisco UCS Director architecture;

• Cisco UCS Director setup and configuration;

• Cisco ACI;

• Multitenancy in FlexPod Cisco ACI infrastructure;

• Resource groups and service offerings;

• Tenant onboarding;

• Self-service provisioning;

• Application containers.

PÚBLICO-ALVO

Data Center Professionals who work in data center solutions and manage data center management policies using UCS Director with Cisco ACI.

PRÉ-REQUISITOS

To fully benefit from this course, you should have the following knowledge:

• Understanding of server design and architecture;

• Familiarity with Cisco UCS, Cisco ACI, server virtualization, and storage concepts.

CONTEÚDO PROGRAMÁTICO

Course Introduction

Course Outline

Course Goals & Objectives

Introducing Cisco UCS Director

Understanding Data Center Challenges

Understanding the Benefits of Cisco UCS Director

Understanding Cisco UCS Director Components

Explaining Cisco UCS Director Architecture

Explaining Bare-Metal Agent

Introducing Cisco Application Centric Infrastructure

Understanding Cisco ACI Overview

Understanding Cisco ACI Terms and Constructs

Understanding Cisco UCS Director Infrastructure Management

Understanding Cisco UCS Director Deployment

Introducing Role-Based Access Control

Explaining User Groups/Roles/Users

Introducing Orchestration

Understanding Orchestration

Introducing Cisco UCS Director ACI

Explaining Cisco UCS Director with ACI Solution

Understanding Multitenancy with Cisco UCS Director ACI

Explaining Multitenancy with Cisco UCS Director ACI

Understanding Resource Groups and Service Offerings

Introducing Advanced Tenant Onboarding

Onboarding a Tenant

Tagging Resources

Introducing Application Containers

Understanding Application Profiles

Understanding Service Container Catalog

Understanding Deployment Through Self-Service Portal

Understanding Self-Service Provisioning Portal

Understanding Service Request

Understanding Virtual Data Center

Understanding Policies

Understanding vDC and Groups Use Case

Lab outline

Lab 1: Configure Cisco UCS Director

Lab 2: Cisco UCS Director Discovery

Lab 3: Cisco UCS Director User Interface Familiarization

Lab 4: APIC Orchestration Using Workflows

Lab 5: Import Advance APIC Workflow

Lab 6: Create Environmental Variables

Lab 7: Create Resource Groups

Lab 8: Create Service Offering and Tenant Profiles

Lab 9: Onboard a Tenant in Cisco ACI Environment

Lab 10: Create Application Container

Lab 11: Deploy Multitier Application Container

Lab 12: Self-Service Portal – End User Experience

Lab 13: Service Design

Lab 14: Catalogs

Lab 15: Self-Service Portal – Standard VM Provisioning (End User)

Lab 16: Advance Workflow with Dynamic Input Filter