

CACND (CISCO ACI IN THE CISCO NEXUS DATA CENTER)

4.0

Objetivo

After taking this course, you should be able to:

- Describe the philosophy behind the Cisco ACI Model;
- Describe and configure the Cisco Nexus 9000 series of switches;
- Configure basic tasks using the Cisco APIC;
- Configure advanced tasks using the Cisco APIC;
- Configure Cisco ACI to work with VMware.

Público Alvo

IT professionals who operate and support a Cisco ACI Data Center Solution.

Pré-Requisitos

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

- Complete knowledge of traditional networking;
- Data center and virtualization.

Carga Horária

40 horas (5 dias).

Conteúdo Programático

Course Introduction

- Course Outline
- Course Objectives & Goals

Introduction to Cisco ACI

- Examining Cisco ACI Components
- Examining Cisco ACI Operations

Cisco ACI Component Architecture

- Examining the Operation of the Cisco ACI Fabric
- Exploring the Cisco Nexus 9000 Series Switches
- Examining the Cisco APIC
- Managing Cisco ACI

Cisco ACI Configuration and Operation

- Configuring the Cisco APIC from the GUI
- Configuring the Cisco APIC from the Command Line Interface (CLI)
- Configuring the Cisco APIC from the API

Configuring Fabric Access
Configuring Virtual Port Channels
Configuring ACI Connectivity to External Networks
Troubleshooting Cisco ACI

Cisco ACI Hypervisor Integration

Configuring ACI Integration with VMware

Cisco ACI Advanced Features Configuration

Configuring Microsegmentation and Intra-EPG Isolation
Examining Transit Routing
Configuring Policy-Based Redirect
Configuring IP Multicast
Examining ACI Multifabric Options

Lab outline

Lab 1: Exploring the Cisco ACI Fabric
Lab 2: Exploring the Cisco APIC
Lab 3: Operational Element Configuration from the GUI
Lab 4: Operational Element Configuration from the CLI
Lab 5: Operational Element Configuration from the API
Lab 6: Endpoint Physical Connectivity
Lab 7: Configuring Virtual Port Channels
Lab 8: Cisco ACI External Connectivity
Lab 9: Cisco ACI Troubleshooting
Lab 10: VM Integration with Cisco ACI
Lab 11: Configuring a Multisite Tenant