DCACI (IMPLEMENTING CISCO APPLICATION CENTRIC INFRASTRUCTURE) 1.1

Objetivo

After taking this course, you should be able to: â□¢ Describe Cisco ACI Fabric Infrastructure and basic Cisco ACI concepts; â□¢ Describe Cisco ACI policy model logical constructs; â□¢ Describe Cisco ACI basic packet forwarding; â□¢ Describe external network connectivity; â□¢ Describe VMM Integration; â□¢ Describe Layer 4 to Layer 7 integrations; â□¢ Explain Cisco ACI management features.

PÃºblico Alvo

Professionals interested in implementing, configuring, operating and management solutions using the Cisco ACI & Nexus 9000 ACI Mode Solutions This course also helps prepare student to take 300-620 Implementing Cisco Application Centric Infrastructure (DCACI) exam, which is part of the new CCNPÂ® Data Center.

PrÃ©-Requisitos

To fully bene?t from this course, you should have the following knowledge and skills: â□¢ Understanding of networking protocols, routing, and switching; â□¢ Familiarity with Cisco Ethernet switching products; â□¢ Understanding of Cisco data center architecture; â□¢ Familiarity with virtualization fundamentals. For reference, the following Cisco courses may help you meet these prerequisites: â□¢ Implementing and Administering Cisco Solutions (CCNA) v1.0 â□¢ Understanding Cisco Data Center Foundations (DCFNDU) v1.0

Carga HorÃiria

40 horas (5 dias).

ConteÃºdo ProgramÃitico

Course Introduction
Course Outline
Course Goals & Objectives

Introducing Cisco ACI Fabric Infrastructure and Basic Concepts
What Is Cisco ACI?
Cisco ACI Topology and Hardware
Cisco ACI Object Model
Faults, Event Record, and Audit Log
Cisco ACI Fabric Discovery
Cisco ACI Access Policies

Describing Cisco ACI Policy Model Logical Constructs
Cisco ACI Logical Constructs
Tenant
Virtual Routing and Forwarding
Bridge Domain
Endpoint Group
Application Profile
Tenant Components Review
Adding Bare-Metal Servers to Endpoint Groups
Contracts

Describing Cisco ACI Basic Packet Forwarding
Endpoint Learning
Basic Bridge Domain Configuration Knob

Introducing External Network Connectivity
Cisco ACI External Connectivity Options
External Layer 2 Network Connectivity
External Layer 3 Network Connectivity

Introducing VMM Integration
VMware vCenter VDS Integration
Resolution Immediacy in VMM
Alternative VMM Integrations

Describing Layer 4 to Layer 7 Integrations
Service Appliance Insertion Without ACI L4-L7 Service Graph
Service Appliance Insertion via ACI L4-L7 Service Graph
Service Graph Configuration Workfow
Service Graph PBR Introduction

Explaining Cisco ACI Management
Out-of-Band Management
In-Band Management
Syslog
Simple Network Management Protocol
Con?guration Backup
Authentication, Authorization, and Accounting
Role-Based Access Control
Cisco ACI Upgrade
Collect Tech Support

Lab Outline
Lab 1: Validate Fabric Discovery
Lab 2: Configure Network Time Protocol (NTP)
Lab 3: Create Access Policies and Virtual Port Channel (vPC)
Lab 4: Enable Layer 2 Connectivity in the Same Endpoint Group (EPG)
Lab 5: Enable Inter-EPG Layer 2 Connectivity

Lab 6: Enable Inter-EPG Layer 3 Connectivity
Lab 7: Compare Traffic Forwarding Methods in a Bridge Domain
Lab 8: Configure External Layer 2 (L2Out) Connection
Lab 9: Configure External Layer 3 (L3Out) Connection
Lab 10: Integrate Cisco APIC with VMware vCenter Using DVS