CISC-28 - DCACI - IMPLEMENTING CISCO APPLICATION CENTRIC INFRASTRUCTURE V1.2

Categoria: **Cisco**

INFORMAZIONI SUL CORSO

Durata:	Categoria:	Qualifica Istruttore:	Dedicato a:	Produttore:
5 Giorni	Cisco	Cisco Certified Instructor	Professionista IT	Cisco

OBIETTIVI

After completing this course, you should be able to:

- -Describe Cisco ACI Fabric Infrastructure and basic Cisco ACI concepts
- -Describe Cisco ACI policy model logical constructs
- -Describe Cisco ACI basic packet forwarding
- -Describe external network connectivity
- -Describe VMM Integration
- -Describe Layer 4 to Layer 7 integrations
- -Explain Cisco ACI management features

PREREQUISITI

Attendees should meet the following prerequisites:

- -Understanding of networking protocols, routing, and switching
- -Familiarity with Cisco Ethernet switching products
- -Understanding of Cisco data center architecture
- -Familiarity with virtualization fundamentals

Recommended prerequisites:

- -CCNA - Implementing and Administering Cisco Solutions
- -DCFNDU - Understanding Cisco Data Center Foundations

CONTENUTI

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
- -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 Workflow
- -Service Graph PBR Introduction

Explaining Cisco ACI Management

- -Out-of-Band Management
- -In-Band Management
- -Fabric-Wide System Settings
- -Syslog
- -Simple Network Management Protocol
- -Configuration Backup
- -Authentication, Authorization, and Accounting
- -Role-Based Access Control
- -Cisco ACI Upgrade
- -Collect Tech Support

Labs

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

- Compare Traffic Forwarding Methods in a Bridge Domain
- Configure External Layer 2 (L2Out) Connection
- Configure External Layer 3 (L3Out) Connection
- Integrate Cisco Application Policy Infrastructure Controller (APIC) With VMware vCenter Using VMware Distributed Virtual Switch (DVS)

INFO

Esame: 300-620 - Implementing Cisco Application Centric Infrastructure
Materiale didattico: Materiale didattico ufficiale Cisco in formato digitale
Costo materiale didattico: incluso nel prezzo del corso a Calendario
Natura del corso: Operativo (previsti lab su PC)