Cisco Application Centric Infrastructure Operations and Troubleshooting (DCACIO)

Description

A training for network experts

The Cisco Application Centric Infrastructure Operations and Troubleshooting (DCACIO) course equips you with essential skills to manage and troubleshoot Application-Centric Infrastructure. This course is designed for those looking to master management, monitoring, and troubleshooting tools for Cisco Nexus 9000 switches in ACI mode.

With a mix of theoretical lessons and hands-on practice, you will learn to fully utilize Cisco ACI tools while discovering best practices drawn from real-world production deployments. This training provides concrete solutions for addressing modern Data Center challenges and enhancing operational efficiency. The DCACIO course delivers invaluable expertise for network engineers and administrators.

Course Content
Module 1: Describing Cisco ACI Day-0 to Day-2 Operations

- Describing Pre-Deployment and Installation Checklists
- Describing Cisco APIC Hardware Installation and Fabric Discovery
- Upgrading Cisco ACI Firmware
- Describing Cisco Smart Licensing
- Converting Cisco NX-OS Switch to ACI Switch
- Describing Cisco ACI Fabric Rebuilding or Recovery

Module 2: Describing Day-2 Operational Tools

- Introducing Day-2 Challenges and Solutions
- Introducing Cisco Nexus Dashboard Insights
- Describing Cisco Nexus Dashboard Insights Components
- Describing Cisco Nexus Dashboard Insights Use Cases
- Describing Cisco Nexus Dashboard
- Describing Cisco Data Center Licensing

Module 3: Describing Cisco ACI Configuration Management

- Describing Cisco ACI Out-of-Band and In-Band Management
- Configuring Export and Import Policies
- Configuring Snapshots and Rollbacks
- Describing Configuration Zones
- Configuring Cisco APIC Management Access Protocols
- Configuring SNMP in Cisco ACI

Module 4: Describing Cisco ACI Monitoring

- Describing Network Monitoring and Troubleshooting Tools
- Describing Health Scores
- Viewing Events
- Viewing Faults and Audit Logs
- Monitoring Cisco ACI
- Describing Cisco ACI Syslog Configuration
- Describing ELAM Assistant
- Describing Object Store Browser
- Describing SPAN in Cisco ACI

Module 5: Cisco ACI Best Practices

- Describing Cisco ACI Naming Conventions
- Describing Endpoint Learning Optimizations
- Configuring VMM Integration
- Describing Migration Scenarios

Lab / Exercises

- Safeguard ACI Operation using Nexus Dashboard Insights
- Configure SNMP and Perform Export/Import Operations
- Monitor Cisco ACI and Configure Syslog
- Configure ELAM Assistant
- Explore the Management Information Tree
- Configure SPAN

Documentation

- Digital course material included

Participant profiles

- Network Engineer
- Data Center Administrator
- Technical Solutions Architect
- Cisco Systems Consultant
- Systems Engineer
- Server Administrator

Prerequisites

- Solid understanding of ACI architecture
- Familiarity with basic Cisco networking concepts
- Experience in managing data center infrastructure

- Knowledge of Cisco Nexus switches and their management
- Basic understanding of data center operations

Objectives

- Master Cisco ACI tools for network management and monitoring
- Leverage Cisco Nexus Dashboard and Nexus Dashboard Insights
- Apply best practices for Cisco NX-OS to ACI migration
- Configure Cisco ACI management access
- Monitor and analyze ACI fabric performance
- Implement Day-0 to Day-2 management practices

Description
Cisco Application Centric Infrastructure Operations and Troubleshooting (DCACIO) Training
Niveau
Intermédiaire
Classroom Registration Price (CHF)
3600
Virtual Classroom Registration Price (CHF)
3600
Duration (in Days)
3
Reference
DCACIO