Cisco Application Centric Infrastructure Operations and Troubleshooting

COURSE CODE: DCACIO

PRICE: **$495** | DURATION: **3 DAYS** | FORMAT: **Lecture & Lab** | CLCs: **35**

Course Description

The Cisco Application Centric Infrastructure Operations and Troubleshooting (DCACIO) v5.2 course shows you how to manage, monitor, and troubleshoot Cisco® Nexus® 9000 Series Switches in Application-Centric Infrastructure (ACI) mode. Through expert instruction and hands-on practice, you will learn about operational tools, best practices, caveats, and practice troubleshooting common issues on a live fabric. Based on lessons learned in wide range of production deployments, this course gives you the real-world knowledge and skills to boost operational efficiencies in your own deployment.

How You'll Benefit

This course will help you:

- Quickly ramp up on Cisco ACI® operational knowledge, skills, and best practices honed from real-world production deployments

- Gain hands-on troubleshooting techniques

- Optimize the benefits of using Cisco ACI, such as streamlined operations

Who Should Enroll

This course is ideal for developers and engineers including:

- Network Engineer

- Systems Engineer

- Data Center Engineer

- Consulting Systems Engineer

- Technical Solutions Architect

- Cisco Integrators/Partners

- Field Engineer

- Server Administrator

- Network Manager

Course Objectives

After taking this course, you should be able to:

- Describe the Cisco ACI built0in tools for operating and monitoring the fabric

- Describe the complex challenges related to monitoring and Cisco tools that address them: Cisco Nexus Dashboard and Cisco Nexus Dashboard Insights

- Describe fabric installation upgrade, backup, restore, and best practices for Cisco NX-OS-to-ACI migration and Cisco ACI management access

- Describe the tools and best practices for monitoring ACI fabric

- Describe best practices for Cisco ACI naming conventions, Day-0 configuration, VMM integration, and Cisco ACI migrations

Course Prerequisites

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

- Understanding of ACI architecture and concepts need to get an ACI fabric into production

- Familiarity with data center infrastructure operations

- Familiarity with management of Cisco data center switches

- Data center operations

The following course will provide you with the required ACI skills:

- **Implementing Cisco Application-Centric Infrastructure (DCACI)**

- **Implementing and Administering Cisco Solution (CCNA)**

- **Understanding Cisco Data Center Foundations (DCFNDU)**

Course Outline

- Describing Cisco ACI Day-0 to Day-2 Operations

- Describing Day-2 Operational Tools

- Describing Cisco ACI Configuration Management

- Describing Cisco ACI Monitoring

- Cisco ACI Best Practices

Lab Outline

- Safeguard ACI Operation Using Network Assurance Engine

- Explore Cisco Network Insights and Nexus Dashboard

- Configure SNMP and Perform Export/Import Operations

- Monitor Cisco ACI and Configure Syslog

- Configure ELAM Assistant

- Explore the Management Information Tree

- Configure SPAN