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## Cisco Application Centric Infrastructure Operations and Troubleshooting

**Duración: 3 Días**    **Código del Curso: DCACIO**    **Version: 4.2**

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### Temario:

The Cisco Application Centric Infrastructure Operations and Troubleshooting (DCACIO) v4.2 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.

**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

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### Dirigido a:

IT professionals who operate and support a Cisco ACI data center network

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### Objetivos:

- **After completing this course you should be able to:**
  - Operationalize and troubleshoot the ACI fabric
  - Understand Cisco Application Policy Infrastructure Controller (APIC) and its monitoring, management, and troubleshooting capabilities
  - Avoid common mistakes and recognize common symptoms
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### Prerequisitos:

**Attendees should meet the following prerequisites:**

- Completion of Cisco ACI Field Engineer Essentials course
- Familiarity with data center infrastructure operations
- Familiarity with management of Cisco data center switches
- Understanding of basic network troubleshooting and basic programming
- System or network administration (Linux or Windows)
- Data center operations
- DCAC9K - Configuring Cisco Nexus 9000 Switches in ACI Mode

### Exámenes y certificación

**Recommended as preparation for the following exams:**

- There are no exams currently aligned to this course
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## Contenido:

### Cisco ACI Overview

- Cisco ACI Topology and Hardware
- Cisco ACI Fabric Discovery and Initialization
- Cisco ACI Access Policies
- Cisco ACI Configuration Review
- Creating a Base Configuration

### Cisco ACI Configuration Management

- Installation Checklist
- HW Installation and Fabric Discovery
- Cisco ACI Firmware Upgrades
- Cisco Smart Licensing
- Import / Export
- Configuration Snapshots and Rollbacks
- Configuration Zones
- ACI Fabric Rebuild or Recovery
- Convert Cisco NX-OS mode to ACI mode
- APIC Management Access Protocols
- General Recommended Practices from the Technical Assistance Center TAC

### Monitoring

- Cisco ACI-OT Monitoring
- Cisco ACI Operation Tools
- Cisco ACI Syslog Configuration
- Viewing Events and Logs

### Troubleshooting

- Troubleshooting Cisco ACI
- Health Scores
- Troubleshooting Cisco APIC
- Faults and Audit Logs in ACI

### Labs

- Create a Tenant
- Configure vCenter Integration
- Configure Layer 2 Physical Domain
- Connect Layer 3 Outside Using Open Shortest Path First (OSPF)
- Configure Syslog
- Configure Simple Network Management Protocol (SNMP)
- Configure ELAM Assistant
- Employ Cisco Network Insights
- Configure Contract Deny Logs and Tenant Atomic Counters
- Use Visore to Explore Tenant
- Troubleshoot Using CLI
- Configure Tenant SPAN
- Troubleshooting Challenge

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## Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

[info.cursos@globalknowledge.es](mailto:info.cursos@globalknowledge.es)

[www.globalknowledge.com/es-es/](http://www.globalknowledge.com/es-es/)

Global Knowledge Network Spain, C/ Retama 7, 6ª planta, 28045 Madrid