

Cisco Application Centric Infrastructure Operations and Troubleshooting

Varighet: 3 Days Kurskode: DCACIO Version: 4.0 Opplæringsmetoder: Virtuell opplæring

Beskrivelse:

The Cisco Application Centric Infrastructure Operations and Troubleshooting 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 more. You will 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.

Virtuell opplæring

V&C Select™ er et veldig enkelt konsept og svært fleksibelt. Du kan delta personlig i klassen eller som virtuell deltaker. Når deres team er geografisk splittet eller du har et begrenset reisebudsjett kan du benytte deg av vår virtuelle klasserom. Kursinnholdet er akkurat det samme som i et vanlig klasserom og deltakerne får en instruktør "live" via internett. Deltaker kan chatte og snakke med sin instruktør og sine medstudenter. Global Knowledge vil sende deg all informasjon du trenger før kurset slik at du kan teste innlogging.

Målgruppe:

IT professionals who wish to optimise the benefits of an Cisco ACI environment.

Agenda:

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

Forkunnskaper:

Attendees should meet the following prerequisites:

- Cisco ACI concepts and implementation
- Familiarity with data center infrastructure operations
- Familiarity with management of Cisco data center switches
- Understanding of basic network troubleshooting
- **DCAC9K** attendance recommended

Test og sertifisering

Recommended as preparation for the following exams:

- There are no exams currently aligned to this course

Innhold:

ACI Overview and Configuration Review

- Review Cisco ACI Architecture and Cisco ACI Building Blocks
- Review the Physical and Logical Policy Model
- Configuration Review (Physical and Logical)
- ACI Policy Objects Review
- Fabric Access Policies
- vPC Explicit Protection Groups
- VMM Integration with vCenter
- L2 EPG Extension / L2 BD Extension Workflows
- L3 Route Distribution / BGP Route Reflection
- L3 Out Configuration Workflows
- Contract Deny (Taboo) Logging

Cisco ACI Firmware, Configuration, and Management

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

Monitoring

- ACI Operation Tools
- ACI Dashboards
- Health Scores
- Faults in ACI
- Viewing Events and Logs
- Monitoring Policies
- Monitoring using CLI
- Displaying Capacity Dashboard and Traffic Map
- GitHub Tools

Troubleshooting

- Troubleshooting Checklist
- Faults in ACI
- Using Visore
- CLI Troubleshooting Commands: moquery/iping/itraceroute/acidiag
- Troubleshooting Endpoint Connectivity
- Visibility and Troubleshooting Tool
- Troubleshooting Access Ports
- Troubleshooting the Fabric Discovery Process (Link Layer Discovery Protocol [LLDP])
- Hardware Diagnostics and Replacement

Labs

- Tenant Configuration
- Virtual Machine Manager (VMM) Integration
- External L2 Configuration
- External L3 Open Shortest Path First (OSPF)
- Configure Syslog
- Configure Simple Network Management Protocol (SNMP)
- Visore
- Navigating the CLI
- iPing/iTraceroute
- Troubleshooting Challenge Labs

Ytterligere informasjon:

For mer informasjon eller kursbooking, vennligst ring oss 22 95 66 00

info@globalknowledge.no

www.globalknowledge.com/nb-no/

Grenseveien 90, 0663 Oslo, PO Box 6256 Etterstad, 0606 Oslo, Norway