

APPLICATION CENTRIC INFRASTRUCTURE TRAINING

LEVERAGING THE CISCO APPLICATION CENTRIC INFRASTRUCTURE™

ONSITE AND REMOTE TRAINING OPTIONS TO ACCOMMODATE THE NEEDS OF YOUR TEAM

APPLICATION CENTRIC INFRASTRUCTURE (ACI) FOR THE DATA CENTER IS A HARDWARE-BASED, SOFTWARE-DRIVEN APPROACH TO CENTRALIZED AUTOMATION AND POLICY-DRIVEN NETWORKING. ACI DELIVERS SOFTWARE FLEXIBILITY WITH THE SCALABILITY OF HARDWARE PERFORMANCE. LEARN HOW TO USE THE POLICY BASED MODEL OF ACI TO SIMPLIFY AND AUTOMATE NETWORK PROVISIONING TASKS.

HANDS-ON TRAINING

INTENDED AUDIENCE

- Network or Data Center Professionals
- System Engineers
- Security Architects
- IT Decision Makers

LENGTH OF CLASS

~8 hours – onsite or remote - split across two days

KEY BENEFITS

- Experience advanced functionality of Cisco ACI
- Simplified automation by an application-driven policy model
- Explore the WWT journey to network modernization
- Accelerate delivery of new application services
- Scalable performance and multi-tenancy in hardware

PREREQUISITES

Attendees should have a basic understanding of

- Routing & switching technologies
- Virtualization fundamentals
- Access Control Lists and Filtering

WHAT YOU WILL LEARN

Experience the advanced functionality of ACI and learn how to utilize ACI to affect policy-based provisioning for your data center networks. Practice using the ACI graphical user interface to configure an ACI fabric to deploy a basic application profile, and to configure both bridged and routed connections into the fabric.

Training includes:

- A complete overview of Cisco ACI Policy constructs and Nexus 9000 hardware and architecture, including an in-depth discussion about ACI integration with existing network architecture
- Review of network-centric and application-centric approaches and how they can work together to provide greater value
- Hands-on Labs:
 1. Step through the initialization of an ACI Fabric (from racked to ready to configure)
 2. Complete the ACI Fabric registration process
 3. Tour through the APIC Graphical User Interface
 4. Integrate VMware vSphere with the ACI Fabric
 5. Create your own ACI tenant on the fabric using network policy constructs
 6. Allow application communication using Policies, Filters and Contracts
 7. Deploy a 3-Tier Application Profile into your ACI tenant
 8. Integrate ACI with an external L2 network
 9. Integrate ACI with an external L3 network

- A review of ACI policy constructs and how they can provide for an agile, responsive network architecture
- an explanation of how ACI multipod can be used to create an active/active datacenter strategy
- A demonstration on how Cisco Cloud Center can enhance an ACI deployment
- A brief discussion about how Tetration uses application dependency mapping to begin migration to an application centric deployment

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manager, or call
800.432.7008

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