Cisco ACI - Troubleshooting and Operations

Course code: DC-ACITOPS

Cisco Application Policy Infrastructure Controller (APIC) provides its administrators wide monitoring, management and troubleshooting tools for ACI. Goal of this training is to familiarize participants with all of these. Additionally, we will emphasise on avoiding common mistakes and problems during early fabric build-up or during day-to-day ACI operations.

Training format

As a standard, we implement a full-time course (onsite or ILT *) in the ALEF Training Center. Upon agreement, it is possible to implement the course at the client's premises. The course can also be implemented online (vILT **) via a video conferencing platform - Cisco Webex meetings. Instructor-led virtual training is a combination of the best of a traditional classroom course and interactive training without having to leave your own office or the comfort of your home. Convince yourself of top quality transmission, video calls and effective team collaboration.
Explanations:

- ILT - Instructor Led-Training * - instructor-led training in the classroom. ** vILT (Virtual Instructor-Led Training) - this is a form of distance learning, where the instructor conducts training from the classroom through an online platform to which students connect from their offices or the comfort of their home.

Required skills

- Knowledge of basic Datacenter operation concepts
- Good knowledge of TCP/IP stack protocols
- Understanding of basic network troubleshooting
- Knowledge of Cisco ACI solution &configuration

Course outline

ACI Overview ACI Management:

- In-band/Out-of-band
- POD policies Cisco ACI Troubleshooting:
- Faults, Events and Audit Logs
- Fabric Discovery
- Access Policies
- Security Policies
- Intra-Fabric Forwarding
- External Forwarding
- VMM Integration Cisco ACI Operations:
- ACI Operation Tools
- ACI Syslog and SNMP Configuration
- Backups, Snapshots, Rollbacks and Upgrades
- Device Replacement
- Object Import/Export
- Configuration Zones
- SmartAccount Licensing ACI 2-Day Operation Apps (NAE, NIR, NIA)

Technical equipment

- Nexus 9300 switches in ACI mode, APIC

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