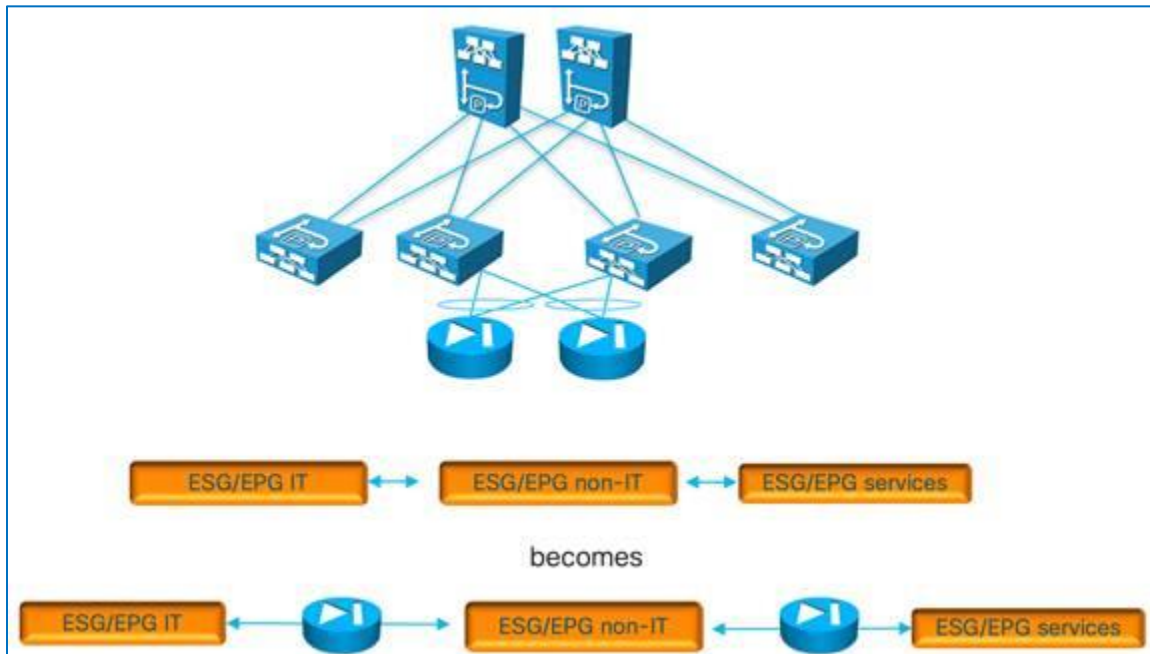




IT213: Fundamental of Application Centric Infrastructure Networking (ACI-Networking)

Training Designed for:

This course is intended for Network Designer, Network Administrator, Network Engineer, Systems Engineer, Data Center Engineer, Consulting Systems Engineer, Technical Solutions Architect, Cisco, Integrators/Partners, Field Engineer, Server Administrator, Network Manager, Storage Administrator and Cisco integrators and partners.

Training Requirement:

"Hand's on practical sessions, equipment and software will be applied during the course if required and as per the client's request."

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client's learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

FIVE DAYS:

- ❖ Introduction to Application-Centric Infrastructure (ACI)
- ❖ ACI Architecture and Components Designing
- ❖ ACI-Based Networks Policy-Driven Automation and Management
- ❖ Integrating ACI with Existing Infrastructure ACI Security and Compliance Monitoring and Troubleshooting
- ❖ ACI Networks Advanced ACI Features and Future Trends
- ❖ Overview of ACI and its benefits Key concepts and terminology in ACI
- ❖ Comparison with traditional networking architectures
- ❖ Case studies on ACI implementations
- ❖ Understanding the ACI architecture
- ❖ Components of ACI: APIC, leaf switches, spine switches
- ❖ Role of the Application Policy Infrastructure Controller (APIC)
- ❖ Practical exercises in identifying and configuring ACI components
- ❖ Principles of ACI network design
- ❖ Creating and managing tenant structures
- ❖ Configuring application profiles, endpoint groups (EPGs), and contracts
- ❖ Practical exercises in ACI network design
- ❖ Understanding ACI policies and their importance
- ❖ Creating and applying network policies
- ❖ Automating network configuration with ACI
- ❖ Case studies on policy-driven automation
- ❖ Integration with VMware, Microsoft Hyper-V, and other virtualization platforms
- ❖ Connecting ACI to legacy networks and services
- ❖ Using ACI for multi-cloud and hybrid cloud environments
- ❖ Practical exercises in ACI integration
- ❖ Implementing security policies in ACI
- ❖ Managing access control and network segmentation
- ❖ Ensuring compliance with security standards

- ❖ Case studies on ACI security
- ❖ Tools and techniques for monitoring ACI environments
- ❖ Identifying and resolving common issues
- ❖ Using APIC for network visibility and diagnostics
- ❖ Practical exercises in ACI monitoring and troubleshooting
- ❖ Exploring advanced features of ACI
- ❖ The future of ACI and emerging trends
- ❖ Best practices for ACI deployment and management
- ❖ Case studies on advanced ACI applications
- ❖ Course Conclusion
- ❖ POST-ASSESSMENT and EVALUATION

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

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