ENGINEERING CISCO MERAKI SOLUTIONS (ECMS) V1.0

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The Engineering Cisco Meraki Solutions training helps you gain the core knowledge and skills needed to deploy, plan, design, implement, and operate complex Cisco Meraki solutions. This training combines Engineering Cisco Meraki Solutions Part 1 and 2 trainings. This training helps prepare you for roles focused on implementing, securing, and managing Cisco Meraki™ based networks from a centralized dashboard. Topics covered include Cisco Meraki's cloud-based solutions, understanding of network security protocols, design of scalable architectures, and application of troubleshooting strategies. This training prepares you for the Cisco Meraki Solutions Specialist (ECMS 500-220) exam. If passed, you earn the Cisco Meraki Solutions Specialist certification. This training also earns you 24 Continuing Education (CE) credits towards recertification.

How you'll benefit

This class will help you:

- Gain a comprehensive understanding of the Cisco Meraki platform
- Develop expertise in designing, implementing, and securing Cisco Meraki networks
- Operate and manage networks using Cisco Meraki's cloud-based tools and features
- Apply advanced monitoring and troubleshooting techniques

Why Attend with Current Technologies CLC

- Our Instructors are in the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

Who Should Attend

The primary audience for this course is as follows:

- Consulting Systems Engineers
- Deployment Engineers
- Network Administrators
- Network Engineers
- Network Managers
- Site Reliability Engineers
- Systems Engineers
- Technical Solutions Architects
- Wireless Design Engineers
- Wireless Engineers
- Sales Engineers
- Account Managers

Course Duration
4 days

Course Price
$3,795.00 or 38 CLCs

Methods of Delivery
- Instructor Led
- Virtual ILT
- On-Site

OUTLINE

Module 1: Introducing the Cloud and the Cisco Meraki Dashboard

Module 2: Introducing Cisco Meraki Products and Administration

Module 3: Introducing Cisco Meraki Troubleshooting

Module 4: Planning New Cisco Meraki Architectures and Expanding Existing Deployment

Module 5: Designing for Scalable Management and High Availability

Module 6: Automating and Scaling Cisco Meraki Deployments

Module 7: Designing Routing on the Cisco Meraki Platform

Module 8: Introducing QoS and Traffic Shaping Design

Module 9: Building VPN and WAN Topologies

Module 10: Securing, Expanding, and Shaping the Network

Module 11: Introducing Switched Network Concepts and Practices

Module 12: Implementing Wireless Configuration Practices and Concepts

Module 13: Introducing Endpoint Management Concepts and Practices

Module 14: Introducing Physical Security Concepts and Practices

Module 15: Gaining Network Insight by Monitoring Applications

Module 16: Preparing, Monitoring, Logging, and Alerting Services

Module 17: Setting Up Reporting and Auditing Capabilities in the Cisco Meraki Dashboard

Module 18: Gaining Visibility and Resolving Issues Using Cisco Meraki Tools

LAB OUTLINE

- **Lab 1: Configure the Cisco Meraki Dashboard**
- **Lab 2: Enable Advanced Features and Optimize Networking**
- **Lab 3: Troubleshoot the Network Using the Cisco Meraki Dashboard**
- **Lab 4: Configure Tags, Link Aggregation, Port Mirroring, and High-Density SSIDs**
- **Lab 5: Configure Routing on the Cisco Meraki Platform**
- **Lab 6: Configure QoS, Traffic Shaping, and Load Balancing**

- **Lab 7: Configure Network Security**
- **Lab 8: Configure Access Policies and Wireless Guest Access**
- **Lab 9: Configure SSIDs, RF Profiles, and Air Marshal**
- **Lab 10: Implement Endpoint Management**
- **Lab 11: Deploy and Configure Physical Security Devices**
- **Lab 12: Enable Alerts and Configure Monitoring and Reporting**
- **Lab 13: Troubleshoot a Cisco Meraki Network**