Current Technologies
Computer Learning Centers

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Platinum Learning

Engineering Cisco Meraki Solutions (ECMS) V1.0

WHERE GREAT TRAINING HAPPENS EVERYDAY!

Engineering Cisco Meraki Solutions (ECMS) V1.0

Course Duration

4 Day

Course Price

$3795.00
38 CLCs

Methods of Delivery

In-Person ILT
Virtual ILT
Onsite ILT

About this Class

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.

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How you will 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 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 job roles best suited to the material in this course are:

- 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

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Objectives

After taking this course, you should be able to:

- Describe Cisco Meraki cloud architecture, administration, and licensing
- Describe the hardware and features of Cisco Meraki product families
- Describe best practices for troubleshooting and when to contact Cisco Meraki support
- Plan new Cisco Meraki architectures and expand existing deployments
- Design the network for scalable management and high availability
- Describe how to automate and scale Cisco Meraki deployments with dashboard tools
- Use dynamic routing protocols to expand networks and improve wide-area network (WAN) performance
- Describe proper quality of service (QoS), policy, and performance-based routing configurations across a Cisco Meraki network and WAN optimization through traffic shaping
- Describe virtual private network (VPN) and WAN topologies and how to integrate them
- Secure, expand, and shape the network
- Implement switched network concepts and practices, and configure guest networks
- Implement wireless configuration practices and concepts
- Describe endpoint management concepts and practices using Cisco Meraki Systems Manager
- Describe physical security concepts and practices
- Gain network insight by monitoring applications
- Describe how to prepare monitoring, logging, and alerting services
- Set up reporting and auditing capabilities in the Cisco Meraki dashboard
- Monitor and troubleshoot issues using Cisco Meraki tools

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Course 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

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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