

## Engineering Cisco Meraki Solutions (CPLL-ECMS)

Duration: 180 days

The Engineering Cisco Meraki Solutions 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 500-220 ECMS v1.0 exam. If passed, you earn the Cisco Meraki Solutions Specialist certification. This training also earns you 24 Continuing Education (CE) credits towards recertification.

### Skills You'll Learn

- Acquire the advanced skills and techniques to plan, design, implement, and operate the complex Cisco Meraki platform for cloud-based network management
- Prepare you for the Cisco Meraki Solutions Specialist certification

### Learning Path Objectives

- Describe the process of planning new Cisco Meraki architectures and expanding existing deployments
- Design networks for scalable management and high availability
- Implement dynamic routing protocols to expand networks and improve Wide-Area Network (WAN) performance
- Configure Quality of Service (QoS), policy, and performance-based routing configurations across a Cisco Meraki network
- Optimize WAN performance through traffic shaping and WAN optimization techniques
- Deploy secure multi-cloud solutions using the Cisco Meraki platform
- Implement network security protocols and access control measures
- Configure and troubleshoot wireless networks using Cisco Meraki wireless solutions
- Utilize Cisco Meraki Dashboard tools to monitor and troubleshoot network behavior
- Design and implement Virtual Private Network (VPN) and WAN topologies using Cisco Meraki solutions
- Automate and scale Cisco Meraki deployments with dashboard tools
- Describe best practices for network monitoring, logging, and alerting in a Cisco Meraki environment
- Implement physical security measures and devices using Cisco Meraki solutions
- Describe endpoint management concepts and practices within a Cisco Meraki network
- Customize dashboards and alerts for effective network management
- Generate comprehensive reports on network performance and security
- Apply troubleshooting techniques to find and resolve network issues promptly