

Engineering Cisco Meraki Solutions (CPLL-ECMS)

Duration: 180 Days

Course Overview:

The Engineering Cisco Meraki Solutions (ECMS) Learning Path helps you gain the core knowledge and skills needed to deploy, plan, design, implement, and operate complex Cisco Meraki solutions. This Learning Path combines Engineering Cisco Meraki Solutions Part 1 and 2 trainings. This Learning Path 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 Learning Path prepares you for the Cisco Meraki Solutions Specialist (500-220 ECMS) v1.0 exam. If passed, you earn the Cisco Meraki Solutions Specialist certification. Note: The labs associated with this Learning Path have been retired due to the underlying hardware reaching end-of-life (EOL). A new version of the Learning Path with updated lab infrastructure is currently under development and will be released soon.

Skills You'll Learn:

- Design and deploy scalable Cisco Meraki cloud architectures to ensure high availability and efficient network management
- Implement advanced security protocols and access policies to protect network infrastructure and managed endpoints
- Configure and optimize network performance using dynamic routing, QoS, and traffic shaping across various WAN topologies
- Manage and automate large-scale deployments through the centralized Cisco Meraki dashboard and integrated monitoring tools
- Troubleshoot complex connectivity and performance issues using live diagnostic tools and systematic analytical strategies

Learning Path Objectives:

1. Meraki Foundations: Explore an overview and functional description of the Meraki network solutions and its cloud-based management tools.
2. Meraki Design, Implementation, and Security: Delve into the planning, designing, and deployment of Meraki networks, covering key topics, such as security, QoS, traffic shaping, and wireless implementation details.

3. Meraki Management: Gain the knowledge to configure, manage, and monitor your Meraki network with the Meraki Dashboard.

