

# Course Outline

## Engineering Cisco Meraki Solutions v2 Part 1 Course ECMS1: 1-day Instructor Led

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### About this course

Engineering Cisco Meraki Solutions Part 1 (ECMS1) v2.0 is a 1-day course that equips you with the knowledge and skills to confidently operate Cisco Meraki solutions as a unified management system of an entire network from a centralized dashboard.

Through a full day of instruction including live demos and guided lab practice, you will learn how to implement core configurations for a full stack solution in the Meraki Dashboard and leverage essential Meraki Dashboard tools to enforce device security policies, deploy software and apps, and perform remote, live troubleshooting on managed devices. This is the first of two courses that prepare you to take the Cisco Meraki Solutions Specialist certification exam. This course, along with ECMS Part 2 prepares you for the exam #500-220.

This course will help you:

- Learn the skills, technologies, and best practices you need to deploy Cisco Meraki solutions and operate the Meraki platform.
- Validate your knowledge and prepare to take the Cisco Meraki Solutions Specialist certification.

### Audience profile

The primary audience for this course is as follows:

- Meraki operators interested in introductory-level technical training or in preparing for the Cisco Meraki Solutions Specialist certification.
- Anyone who would like to gain experience in understanding, configuring, and troubleshooting Meraki networking environments with the Meraki Dashboard.

\*If you have already taken CMNO, we do not recommend that you enroll in the course as the content is the same.

### At course completion

After completing this course, students will be able to:

- Implement core configurations for a full stack solution in the Meraki Dashboard
- Deploy foundational Meraki product features to meet basic IT requirements
- Understand and leverage essential Meraki Dashboard tools for troubleshooting

### Course Outline

#### Module 1: Cloud & Dashboard

- Cisco Meraki devices and the cloud<sup>o</sup>
  - Describe the process of Meraki devices connecting to the cloud
- Licensing
  - Describe licensing and co-termination

## Course Outline

### Module 2: Products and Administration

- MV security cameras
  - Describe the hardware and features of the MV security cameras
- MI web-based application analytics
  - Describe the hardware and features of Meraki Insights

### Module 3: Operating and Troubleshooting

- Dashboard sync and real-time tools
  - Describe configuration updates and live tools
- Application Program Interfaces
  - Describe available application program interfaces

### Lab Outline:

Labs are designed to assure learners a whole practical experience, through the following practical activities:

- Configuring the Dashboard
  - Basic initial device setup
- Advanced features
  - Enable network security
- Troubleshooting in Dashboard
  - Wireless reconfiguration and fine-tuning