

## Engineering Cisco Meraki Solutions 1

**Duration: 180 Days**    **Course Code: ECMS1**    **Version: 2.0**    **Delivery Method: Elearning (Self-paced)**

### Overview:

The Engineering Cisco Meraki Solutions Part 1 (ECMS1) course is an introductory 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.

**Those who have already attended CMNO do not need to attend this training, as the content is the same.**

### e-Learning

Interactive self-paced content that provides flexibility in terms of pace, place and time to suit individuals and organisations. These resources also consist of online books, educational podcasts and vodcasts, and video-based learning.

### Target Audience:

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.

### Objectives:

- After completing this course you should be able to:
  - Understand hardware and features of all product families
  - Describe cloud architecture, administration, and licensing
  - Implement best practices for troubleshooting and when to contact support

### Prerequisites:

**Attendees should meet the following prerequisites:**

- CCNA Certified or have an equivalent level of technical expertise and be familiar with:
  - Basic network fundamentals and building simple LANS
  - Basic IP addressing and subnets
  - Routing and swicthing fundamentals
  - Basic wireless networking concepts and terminology
  - CCNA - Implementing and Administering Cisco Solutions

### Testing and Certification

**Recommended as preparation for the following exams;**

- **500-220** - Cisco Meraki Solutions Specialist Exam

### Follow-on-Courses:

**The following course is recommended for further study:**

- ECMS2 - Engineering Cisco Meraki Solutions 2

## Content:

### Describing the Cloud and the Cisco Meraki Dashboard

- Single Pane of Glass Management
- Cisco Meraki Full Stack Capabilities
- Cisco Meraki Devices and the Cloud
- Benefits of a Cloud-Based Solution
- Cisco Meraki Dashboard Organizational Structure
- Multiorganizational Structure
- Licensing
- Cisco Meraki Dashboard Demo

### Describing Cisco Meraki Products and Administration

- Cisco Meraki MX Security and SD-WAN Appliance
- Cisco Meraki MS Switches
- Cisco Meraki MR Wireless APs
- Cisco Meraki Systems Manager Endpoint Management
- Cisco Meraki MV Security Cameras
- Cisco Meraki Insight Web-Based Application Analytics
- Advanced Use of Cisco Meraki Dashboard Demo

### Describing Cisco Meraki Troubleshooting

- Cisco Meraki Dashboard Sync and Real-Time Tools
- Cisco Meraki Monitoring and Troubleshooting Tools
- Integration of Cisco Meraki Monitoring and Troubleshooting Tools in Existing Systems
- Application Programming Interfaces
- How to Work with Cisco Meraki Support
- Cisco Meraki Troubleshooting Demo

### Labs

- Configure the Cisco Meraki Dashboard
- Enable Advanced Features and Optimize Networking
- Troubleshoot the Network using the Cisco Meraki Dashboard

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## Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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