Engineering Cisco Meraki Solutions Part 1 (ECMS1) v2.1

What you'll learn in this course

The **Engineering Cisco Meraki Solutions Part 1 (ECMS1)** v2.1 is an introductory course that equips you with the technical 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 for the **Cisco Meraki Solutions Specialist** certification exam.

Course duration

- Instructor-led training: 1 day in the classroom with hands-on lab practice
- Virtual instructor-led training: 1 day of web-based instruction with hands-on lab practice
- E-learning: Equivalent to 1 day in the classroom

How you'll benefit

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 exam

Who should enroll

This course is designed for:

- 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.

The course is also ideal for those who hold the following titles:

- Consulting Systems Engineer
- Deployment Engineer
- Network Administrator
- Network Engineer
- Network Manager
- Site Reliability Engineer
- Systems Engineer
- Technical Solutions Architect
- Wireless Design Engineer
- Wireless Engineer

How to enroll

E-learning

- To buy a single e-learning license, visit the Cisco Learning Network Store.
- For more than one license, or a learning library subscription, contact us at learning-bdm@cisco.com.

Instructor-led training

- Find a class at the Cisco Learning Locator.
- Arrange training at your location through Cisco Private Group Training.

Technology areas

- Networking
- Cloud architecture
- Wireless

Course details

Objectives

After taking this course, you should be able to:

- Describe cloud architecture, administration, and licensing
- Understand hardware and features of all product families
- Implement best practices for troubleshooting and when to contact support

Prerequisites

Before taking this course, you should have earned a **CCNA** certification or be familiar with:

- Basic network fundamentals and building simple LANs
- Basic IP addressing and subnets
- Routing and switching fundamentals
- Basic wireless networking concepts and terminology

The following recommended Cisco offering may help you meet these prerequisites:

- **Implementing and Administering Cisco Solutions (CCNA)**

Outline

- Describing the Cloud and the Cisco Meraki Dashboard
  - Single Pane of Glass Management
  - Cisco Meraki Full Stack Capabilities
- Describing Cisco Meraki Products and Administration
  - Cisco Meraki MX Security and SD-WAN Appliance
  - Cisco Meraki MS Switches
- Describing Cisco Meraki Troubleshooting
  - Cisco Meraki Dashboard Sync and Real-Time Tools
  - Integration of Cisco Meraki Monitoring and Troubleshooting Tools in Existing Systems

Lab

- Configure the Cisco Meraki Dashboard
  - Basic initial device setup
- Enable Advanced Features and Optimize Networking
  - Enable advanced cisco Meraki dashboard features and optimize network
- Troubleshoot the Network using the Cisco Meraki Dashboard
  - Troubleshoot and fine-tune the network and wireless configuration