
Engineering Cisco Meraki Solutions 1

Duration: 1 Day **Course Code: ECMS1** **Version: 1.0** **Delivery Method: Virtual Learning**

Overview:

Build your Cisco Meraki technical knowledge and skills with this full-day, virtual, instructor-led training. This course is designed to equip you with the knowledge and skills required to confidently operate Cisco Meraki solutions, the class includes a full-day of instruction, live demos, guided lab practice, and interactive Q&A. This is the first of two courses that will prepare you for the upcoming Cisco Meraki Solutions Specialist certification exam.

We do not recommend that those who have already attended CMNO attend this training, as the content is the same.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

Meraki operators interested in introductory-level technical training or in preparing for the Cisco Meraki Solutions Specialist certification.

Objectives:

- **After completing this course you should 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
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Prerequisites:

Attendees should meet the following prerequisites:

CCNA-certified or have an equivalent level of technical expertise.

Testing and Certification

Recommended as preparation for the following exams;

- Cisco Meraki Solutions Specialist Exam - Release date to be confirmed
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Follow-on-Courses:

The following course is recommended for further study:

- **ECMS2** - Engineering Cisco Meraki Solutions Part 2
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Content:

The ECMS1 curriculum for our full-day instructor-led sessions is comprised of 3 lessons and supplemental lab exercises. Attendees will be familiar with the topics listed below after attending a session.

Cloud & Dashboard

- Describe the out-of-band control plane
- Describe cloud-based solution benefits
- Describe the Dashboard organizational structure
- Design proper Dashboard segmentation and permissions
- Describe licensing and co-termination
- Describe and design a basic Meraki network deployment workflow

Products & Administration

- Security appliance platform (MX)
- Design and configure Auto-VPN
- Design and configure traffic shaping and SD-WAN policies
- Configure content filtering rules
- Configure AMP and IDS/IPS
- Switching platform (MS)
- Configure switch ports using virtual stacking
- Configure L3 routing using OSPF
- WLAN platform (MR)
- Configure SSIDs and access control settings
- Configure and secure guest Wi-Fi
- Design and configure traffic shaping
- Endpoint management platform (SM)
- Configure device configuration profiles
- Describe the device live tools
- Security cameras platform (MV)
- Configure video quality and retention settings
- Configure video walls

Operating & Troubleshooting

- Describe and troubleshoot using visibility and monitoring tools
- Configure firmware upgrades
- Describe and configure a scalable network using automation tools
- Configure and troubleshoot networks using live troubleshooting tools
- Describe and troubleshoot through engaging Meraki Support

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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