FIREFLY

Engineering Cisco Meraki Solutions Part 1

DURATION: 1 DAY　　　**COURSE CODE: ECMS1**　　　**FORMAT: VIRTUAL**

COURSE DESCRIPTION

The Engineering Cisco Meraki Solutions Part 1 (ECMS1) v1.0 course will equip you with the knowledge and skills to confidently operate Cisco Meraki deployments. 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 for troubleshooting. You will also learn how to deploy foundational Meraki product features to meet basic IT requirements.

This is the first of two courses that prepare you to take the Cisco Meraki Solutions Specialist certification exam..

Additional information on the second course in the ECMS series, Engineering Cisco Meraki Solutions Part 2 (ECMS2) v1.0.

WHO SHOULD ATTEND

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

Anyone who needs 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.

PREREQUISITES

Basic network fundamentals and building simple LANs

Basic IP addressing and subnets

Routing and switching fundamentals

Basic wireless networking concepts and terminology

LEARNING OBJECTIVES

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

1. 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

2. 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

3. 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