

Course : Cisco Meraki Solutions Engineering (ECMS)

Official Course: Preparation for the 500-220 ECMS Exam

Practical course - 4d - 28h00 - Ref. CI2

Price : 3170 € E.T.

NEW

In this course, you will learn how to design, deploy, secure, and manage network infrastructures based on Cisco Meraki solutions. You will learn how to manage these environments from the centralized Meraki dashboard, design scalable architectures, apply key network security protocols, and implement effective troubleshooting methods.



INFORMATION

For all registrations for open-enrollment or in-house training, each participant must have a Cisco Learning Space account associated with the email address used when registering for the training. This mandatory step provides access to the official Cisco training materials.



Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understanding Cisco Meraki Architecture and Administration
- ✓ Design and deploy secure, scalable Cisco Meraki networks
- ✓ Configure network services, connectivity, and device management
- ✓ Automate Administration and Deployments with the Meraki Dashboard
- ✓ Monitor, analyze, and troubleshoot a Cisco Meraki infrastructure

Intended audience

Network professionals: engineers, administrators, architects, consultants, network managers, Wi-Fi engineers, or pre-sales specialists.

PARTICIPANTS

Network professionals: engineers, administrators, architects, consultants, network managers, Wi-Fi engineers, or pre-sales specialists.

PREREQUISITES

Have completed the CCNA (ref. CRC) and ENCOR (ref. TWY) training courses, or possess an equivalent level of networking expertise, as well as basic knowledge of the Cisco Meraki environment (Dashboard, MX, MS, MR, and SD-WAN).

TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

Prerequisites

Have completed the CCNA (ref. CRC) and ENCOR (ref. TWY) training courses, or possess an equivalent level of networking expertise, as well as basic knowledge of the Cisco Meraki environment (Dashboard, MX, MS, MR, and SD-WAN).

Course schedule

1 Official Program

- Introduction to the Cloud and the Cisco Meraki Dashboard.
- Overview of Cisco Meraki products and their management.
- Introduction to Troubleshooting Methods for Cisco Meraki Solutions.
- Planning new Cisco Meraki architectures and expanding existing deployments.
- Design of scalable, highly available architectures.
- Automation and Scaling of Cisco Meraki Deployments.
- Routing configuration on the Cisco Meraki platform.
- Introduction to Quality of Service (QoS) and Traffic Shaping.
- Implementation of VPN and WAN architectures.
- Network security, expansion, and optimization.
- An Introduction to the Concepts and Best Practices of Switched Networks (Switching).
- Implementation of best practices for wireless network (Wi-Fi) configuration.
- An Introduction to Device Management Concepts with Cisco Meraki Systems Manager.
- An Overview of Physical Security Concepts Using Cisco Meraki Solutions.
- Application monitoring to improve network visibility.
- Implementation of monitoring, logging, and alerting services.
- Configuring reporting and auditing features in the Cisco Meraki dashboard.
- Network visibility analysis and incident resolution using Cisco Meraki tools.

2 Official Lab Sessions

- Configuring the Cisco Meraki Dashboard.
- Enabling advanced features and optimizing the network.
- Troubleshooting the network using the Cisco Meraki dashboard.
- Configuring tags, link aggregation, port mirroring, and high-density SSIDs.
- Configuring routing on the Cisco Meraki platform.
- Configuring QoS, Traffic Shaping, and Load Balancing.
- Configuring Network Security.
- Configuring access policies and guest access for Wi-Fi networks.
- Configuring SSIDs, radio (RF) profiles, and Air Marshal.
- Implementation of endpoint management.
- Deployment and configuration of physical security equipment.
- Enabling alerts and configuring monitoring and reporting functions.
- Troubleshooting a Cisco Meraki network.

Options

Certification : 360 € H.T.

Engineering Cisco Meraki Solutions (500-220 ECMS)

[Comment passer votre examen ?](#)

TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.

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Dates and locations

REMOTE CLASS

2026 : 15 Dec.

2027 : 23 Mar., 29 June, 21 Sep., 14 Dec.

PARIS LA DÉFENSE

2026 : 8 Dec.

2027 : 16 Mar., 22 June, 14 Sep., 7 Dec.