



# Engineering Cisco Meraki Solutions

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Seminar-ID: ECMS

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## Your key takeaways

The Engineering Cisco Meraki Solutions training helps you gain the core knowledge and skills needed to deploy, plan, design, implement, and operate complex Cisco Meraki solutions.

This training helps prepare you for roles focused on implementing, securing, and managing Cisco Meraki™ based networks from a centralized dashboard. Topics covered include Cisco Meraki's cloud-based solutions, understanding of network security protocols, design of scalable architectures, and application of troubleshooting strategies.

This training will help you:

- Gain a comprehensive understanding of the Cisco Meraki platform
- Develop expertise in designing, implementing, and securing Cisco Meraki networks
- Operate and manage networks using Cisco Meraki's cloud-based tools and features
- Apply advanced monitoring and troubleshooting techniques
- Prepare for the ECMS 500-220 exam

## Target Groups

Before taking this offering, you should have earned a Cisco Certified Networking Associate (CCNA) certification or be familiar with:

General Networking

- Be actively engaged in the design, deployment, scaling, configuration, and management of enterprise networks, IPsec, and associated VPN technologies

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Any questions?

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- Be experienced with hierarchical network segmentation (access, distribution, and core layer) design and best practices
- Strong fundamental knowledge of internet protocol (IP) addressing and subnetting schemas necessary to build local area networks (LANs)
- A foundational understanding of network authentication, authorization, and accounting services
- Strong fundamental knowledge of dynamic routing protocols with focus and emphasis on open shortest path first (OSPF) and border gateway protocol (BGP)
- A foundational understanding of wired and wireless QoS mechanisms, packet queue operations, and practical implementations
- A foundational understanding of threat modeling concepts and methodologies and the ability to apply them to identify, analyze, and respond to cybersecurity threats
- A foundational understanding of network security controls and protocols, network management best practices, and data security
- Intermediate fundamental knowledge of radio frequency (RF) concepts, terminology, design principles, and practical implementations as they apply to wireless networking and current 802.11 wireless standards
- A foundational understanding of wireless security best practices centered on access control (802.1x) and spectrum security through wireless intrusion detection system (WIDS) and prevention system (WIPS)
- A foundational understanding of standard logging and monitoring protocols with a focus and emphasis on simple network management protocol (SNMP), syslog, and webhooks, and related implementation components or tools
- Be familiar with and have basic knowledge of Application Programming Interface (APIs) and related languages and formats, such as representational state transfer (REST) and JavaScript Object Notation (JSON)

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

- Implementing and Administering Cisco Solutions (CCNA)



- Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)

## Prior knowledge

This training is designed for anyone seeking the Cisco Meraki Solution Specialist certification. The training provides foundational knowledge and skills to engineer Cisco Meraki solutions, including cloud management, design, implementation, monitoring, troubleshooting, and the comprehensive features of the Cisco Meraki product suite.

The job roles best suited to the material in this training are:

- Consulting Systems Engineers
- Deployment Engineers
- Network Administrators
- Network Engineers
- Network Managers
- Site Reliability Engineers
- Systems Engineers
- Technical Solutions Architects
- Wireless Design Engineers
- Wireless Engineers
- Sales Engineers
- Account Managers

### Important information

This training prepares you for the Cisco Meraki Solutions Specialist (ECMS 500-220) exam. If passed, you earn the Cisco Meraki Solutions Specialist certification.



## Dates & Options

Date	Duration	City	Offer	Price
17.02.2025-20.02.2025	4 days	Wien	Preis (Vor Ort)	€2.950,-
17.02.2025-20.02.2025	4 days	Wien	Preis (Online)	€2.950,-
19.05.2025-22.05.2025	4 days	Wien	Preis (Vor Ort)	€2.950,-
19.05.2025-22.05.2025	4 days	Wien	Preis (Online)	€2.950,-
25.08.2025-28.08.2025	4 days	Wien	Preis (Vor Ort)	€2.950,-
25.08.2025-28.08.2025	4 days	Wien	Preis (Online)	€2.950,-
09.12.2025-12.12.2025	4 days	Wien	Preis (Vor Ort)	€2.950,-
09.12.2025-12.12.2025	4 days	Wien	Preis (Online)	€2.950,-

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