

**ECMS**

## Engineering Cisco Meraki Solutions

32 horas

Profissional

Cisco

Cisco Continuing Education Credits

**24 CE Credits**

### INTRODUÇÃO

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 from a centralized cloud dashboard.

## OBJETIVO DO CURSO

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Describe Cisco Meraki cloud architecture, administration, and licensing

Describe hardware and features of Cisco Meraki product families

Describe best practices for troubleshooting and Cisco Meraki support

Plan new Cisco Meraki architectures and expand existing deployments

Design the network for scalable management and high availability

Describe how to automate and scale Cisco Meraki deployments

Use dynamic routing protocols to expand networks and improve WAN performance

Describe proper QoS, policy, and performance-based routing

Describe VPN and WAN topologies and integration

Secure, expand, and shape the network

Implement switched network concepts and guest networks

Implement wireless configuration practices

Describe endpoint management with Cisco Meraki Systems Manager

Describe physical security concepts

Gain network insight by monitoring applications

Describe monitoring, logging, and alerting services

Set up reporting and auditing in the Cisco Meraki dashboard

Monitor and troubleshoot using Cisco Meraki tools

## PÚBLICO-ALVO

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Consulting Systems Engineers, Deployment Engineers, Network Administrators, Network Engineers, Systems Engineers, Technical Solutions Architects, Wireless Engineers

## PRÉ-REQUISITOS

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Recommended: CCNA certification or familiarity with general networking, OSPF, BGP, QoS, wireless networking, and REST APIs.

## Course Outline

- Introducing the Cisco Meraki Cloud and Dashboard
- Introducing Cisco Meraki Products and Administration
- Cisco Meraki Troubleshooting
- Planning New Cisco Meraki Architectures
- Designing for Scalable Management and High Availability
- Automating and Scaling Cisco Meraki Deployments
- Designing Routing on the Cisco Meraki Platform
- QoS and Traffic Shaping Design
- Building VPN and WAN Topologies
- Securing, Expanding, and Shaping the Network
- Switched Network Concepts and Practices
- Wireless Configuration Practices
- Endpoint Management with Meraki Systems Manager
- Physical Security Concepts
- Monitoring Applications and Network Insight
- Monitoring, Logging, and Alerting Services
- Reporting and Auditing in the Cisco Meraki Dashboard
- Troubleshooting with Cisco Meraki Tools

## Lab Outline

- Configure the Cisco Meraki Dashboard
- Enable Advanced Features and Optimize Networking
- Troubleshoot with the Cisco Meraki Dashboard
- Configure Routing on Cisco Meraki Platform
- Configure QoS, Traffic Shaping, and Load Balancing
- Configure Network Security
- Configure Access Policies and Wireless Guest Access
- Configure SSIDs, RF Profiles, and Air Marshal
- Implement Endpoint Management
- Deploy Physical Security Devices
- Enable Alerts and Configure Monitoring
- Troubleshoot a Cisco Meraki Network