AMBIENT-IT

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Updated 04/23/2025

Sign up

CISCO Meraki Training

4 days (28 hours)

Presentation

Cisco Meraki operates the industry's largest Cloud networking service. Cisco Meraki Cloud service covers tens of thousands of networks worldwide and connects millions of devices. Meraki technology is a network solution that simplifies enterprise network architecture. Thanks to Wireless, everything is centralized in the Cloud via a simple Internet browser, and configurable from the Cloud Controller.

This simplification of your architecture will optimize the productivity of your network administration teams. Meraki has always been designed to be specifically managed and delivered in the cloud, enabling more efficient networking than its competitors.

Our Cisco Meraki training will teach you the basics of the tool, network management with Cisco Meraki Cloud, Cisco Meraki Radio settings, security features and advanced configurations.

Objectives

- Understand Cisco Meraki architecture and extend existing deployments
- Network design for scalable management
- Securing and shaping a network
- Implement the various concepts and practices of switched networks
- Use dynamic routing protocols to improve performance

Target audience

- Network administrator
- Anyone wishing to set up a CISCO Meraki network

Prerequisites

- Solid general knowledge of computer networks, especially routing, or Cisco Certified Networking Associate (CCNA) certification.

CISCO Meraki training program

Contents

- Introduction to the cloud and the Cisco Meraki dashboard
- Cisco Meraki products and administration overview
- Introduction to Cisco Meraki troubleshooting
- Planning new Cisco Meraki architectures and extending existing deployments
- Designed for scalable management and high availability
- Automating and scaling Cisco Meraki deployments
- Routing design on the Cisco Meraki platform
- Introduction to QoS design and traffic shaping
- Creating VPN and WAN topologies
- Securing, expanding and shaping the network
- Introduction to switched network concepts and practices
- Implementing wireless configuration concepts and practices
- Introduction to terminal management concepts and practices
- Introduction to physical security concepts and practices
- Obtain network information by monitoring applications
- Preparation, monitoring, logging and alert services
- Configuring reporting and auditing capabilities in the Cisco Meraki dashboard
- Gain visibility and resolve problems using Cisco Meraki tools

Labs

- Activate advanced features and optimize your network
- Troubleshooting the network using the Cisco Meraki dashboard
- Configure tags, link aggregation, port mirroring and high-density SSIDs
- Configuring routing on the Cisco Meraki platform
- Configure QoS, traffic shaping and load balancing
- Configuring network security
- Configure access policies and wireless guest access
- Configure SSIDs, RF profiles and Air Marshal
- Implement terminal management
- Deploy and configure physical security devices
- Activate alerts and configure monitoring and reporting
- Troubleshooting a Cisco Meraki network Page

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives with regard to the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.