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Sign up

CISCO Meraki Training

3 days (21 hours)

Presentation

Cisco Meraki operates the industry's largest Cloud networking service. The 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

- Ideally, you should have taken our Cisco Meraki initiation course.
- General knowledge of computer networks and Cisco Meraki

CISCO Meraki training program

Introduction

- What is Cisco Meraki?
- The new Meraki architectures
- Extending existing deployments
- Network design
- Deployment automation and evolution
- Dashboard tools

Network

- Dynamic routing protocol
- Extended network
- QoS routing configuration
- Traffic shaping design
- VPN
- WAN
- Network layout
- Network practices
- The practices
  - Endpoint management
  - Physical security

Monitoring applications

- Acquiring an overview
- Services
  - Monitoring
  - Logging
  - Alert
- Audit in the Cisco Meraki dashboard
- Integrated troubleshooting tools

Labs

- Tag configuration
- Link aggregation
- Setting up an automatic VPN
- Configuration of virtual interfaces, routes and redistribution
- Defining firewall rules

- Configuring quality of service and traffic shaping
- Activate advanced protection
  - against malware, intrusions and intrusion prevention
- Content filtering
- Guest access and service set ID (SSID) configuration
- Implementation
  - RF profile
  - Air Marshal
- Cisco Meraki Systems Manager (SM)
- Safety policies
- Setting motion alerts
- Wireless camera deployment
- Alert activation
- Add monitoring
- Summary reports
- Firmware
- PCI (Peripheral Component Interconnect)
- Troubleshoot offline device, content filtering and remote site connectivity

Companies concerned

This training 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 for 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, with 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.