

# Implementing Cisco Meraki Networks

This intermediate Cisco Implementing Cisco Meraki Networks prepares learners to recognize opportunities for implementing Cisco Meraki network solutions to a cloud network, and then planning and implementing them.

Whether it's the Meraki Dashboard giving insight to the inner workings of enterprise grade cloud networks, indoor and outdoor access points with built-in wireless security or stackable L2 and L3 switches that fit into the cloud managed architecture, Cisco Meraki is increasingly valuable for organizations using it, and this training can make you a pro in implementing all of them.

## Who Should Take Implementing Cisco Meraki Networks Training?

This Implementing Cisco Meraki Networks training is considered associate-level Cisco training, which means it was designed for network administrators. This Meraki access points skills course is valuable for new IT professionals with at least a year of experience with routing and switching and experienced network administrators looking to validate their Cisco skills.

### Topics Covered

#### Understand Cisco Meraki Cloud Networking Concepts

- 1. Introducing Cloud Networking
- 2. Meraki Cloud Device Lineup
- 3. Organizations and Networks
- 4. Adding a Device to a Network
- 5. General Network Configurations
- 6. Summarizing the Meraki Platform

#### Deploy LAN Connectivity with Meraki MX Appliances

- 1. Routing and Switching From the Cloud
- 2. Setting the Primary and Failover WAN IP Addresses

- 3. Addressing and VLANs
- 4. Running a DHCP Server
- 5. Configuring Warm Spares
- 6. SD-WAN and Traffic Shaping
- 7. Summarizing Meraki LAN Configuration

### **Implement Advanced Security Features with Meraki MX Firewalls**

- 1. The Intelligent Firewall  
1 min
- 2. Layer 3 Firewall Configuration  
3 mins
- 3. Layer 7 Firewall Configuration  
3 mins
- 4. Inbound Firewall Rules  
3 mins
- 5. Threat Protection and Content Filtering  
4 mins
- 6. Summarizing Meraki Firewall Features  
1 min

### **Deploy VPNs with Cisco Meraki MX Firewalls**

- 1. Introducing VPNs with Meraki
- 2. Deploying a Client VPN Endpoint
- 3. Creating Users for Client VPNs
- 4. Deploying the Client VPN on Windows 10
- 5. Creating a Site-To-Site VPN Topology
- 6. Configuring Non-Meraki Site-To-Site VPNs
- 7. Summarizing Meraki VPNs

## **Understand Meraki Dashboards and Webhook Alerts**

- 1. Introduction to Understand Meraki Dashboards and Webhook Alerts
- 2. Client Monitor
- 3. Summary Report
- 4. Packet Captures and Event Logs
- 5. Configuring Proactive Alerts and Webhooks
- 6. Summarizing Meraki Reporting

## **Implement Cisco Meraki Switches**

- 1. Layer 2 in the Cloud
- 2. Meraki Switch Routing and DHCP Design Considerations
- 3. InterVLAN Routing and DHCP
- 4. Configuring Switch Ports
- 5. Configuring Aggregate and Mirrored Ports
- 6. Other Switch Settings
- 7. Summarizing Meraki Switch Configuration

## **Secure and Monitor Cisco Meraki Switches**

- 1. Securing Switches from the Cloud
- 2. Access Control Lists
- 3. Port Schedules
- 4. Access Policies

- 5. Monitoring and Tooling
- 6. Summarizing Cisco Meraki Switch Security

### **Implement and Secure Meraki WiFi Networks**

- 1. Introducing Meraki WiFi Solutions
- 2. Deployment Considerations
- 3. Securing and Addressing SSIDs
- 4. Deeper Configuration of an SSID
- 5. Securing Meraki Wireless Networks
- 6. Radio and Bluetooth Settings
- 7. Monitoring Your WiFi Network
- 8. Summarizing Meraki WiFi

### **Implement Cisco Meraki MV Security Cameras**

- 1. Introducing the Smarter Camera
- 2. Cisco Meraki MV Camera Capabilities
- 3. Creating a Camera Profile
- 4. Configuring Camera Settings
- 5. Camera Analytics and Monitoring
- 6. Summarizing Cisco Meraki MV Cameras