

# Cisco Meraki MX Firewalls

This intermediate Cisco Meraki MX Firewalls training covers configuring, administering, and troubleshooting Cisco Meraki MX Security & SD-WAN appliances. Learn to manage distributed sites, campuses, and datacenter VPNs with virtualized wide area networks. Topics include bandwidth policies, content filtering, VPN automation, and role-based administration.

[CBT Nuggets course material](#) →

## WEEK 1

### Understand Cisco Meraki Cloud Networking Conceptsmin.

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

### Deploy LAN Connectivity with Meraki MX Appliances

Overview	1
Routing and Switching From the Cloud	1
Setting the Primary and Failover WAN IP Addresses	4
Addressing and VLANs	8
Running a DHCP Server	4
Configuring Warm Spares	4
SD-WAN and Traffic Shaping	5
Summarizing Meraki LAN Configuration	1

### Implement Advanced Security Features with Meraki MX Firewalls

Overview	1
The Intelligent Firewall	1
Layer 3 Firewall Configuration	3
Layer 7 Firewall Configuration	3
Inbound Firewall Rules	4
Threat Protection and Content Filtering	4
Summarizing Meraki Firewall Features	1

## Deploy VPNs with Cisco Meraki MX Firewalls

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

## Deploy a Python Azure Function App with VS Code

Overview	1
The Scenario	3
Required Apps, Extensions, and Packages	5
Developing a Python Function	8
Adding Queue Storage Bindings	8
Deploying to Azure	4
Summarizing Function Apps	1

## Understand Meraki Dashboards and Webhook Alerts

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

## Automate Cisco Meraki Networks

Overview	1
Introducing Cisco Meraki Automation	1
Cloud Networking, Controllers, and APIs	9
Dashboard API	5

## WEEK 2

**34 min.**

Setting Up Postman for Meraki	6
Python Automation with Meraki	3
Summarizing Cisco Meraki Automation	1

## Automation with the Meraki Python SDK

Overview	1
Scripting Made Easier with SDKs	1
Exploring the Meraki SDK	5
Getting Started with Scripting	4
Diving Deeper with the Meraki SDK	4
Updating Configs with the Meraki SDK	6
Summarizing the Meraki SDK	1