
Administering and Troubleshooting Meraki Full Stack for Government (MX, MS, MR) Technologies v4.0 (MER-FS-ADM-GOV)

***WHERE GREAT TRAINING
HAPPENS EVERYDAY!***

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About this Class

The five-day instructor-led Hands-on Meraki Full Stack MX SDWAN/Security, Meraki MS and Catalyst Switches, and Meraki Access Points for Government course equips government IT professionals with advanced knowledge and hands-on experience. The program covers deploying, managing, and securing network infrastructures using Cisco Meraki technologies, addressing government-specific challenges and compliance standards to build secure and efficient networks.

Course Duration

5 Days

Course Price

\$4495.00

45 CLCs

Methods of Delivery

In-Person ILT

Virtual ILT

Onsite ILT

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How you will benefit

This class will help you:

- Install, Administer, Monitor, and Troubleshoot Meraki MX Firewalls / SD-WAN, and Catalyst Switches, and CW Access Points.
- Install, Administer, Monitor, and Troubleshoot Meraki MV Cameras
- Gain 40 Continuing Education Credits.

Why Attend with Current Technologies CLC

- Our Instructors are the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

Who Should Attend

The job roles best suited to the material in this course are:

- Network Engineers
- System Administrators
- IT Professionals in Government Agencies
- Technical Support Staff
- Cisco Certified Professionals

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Objectives

After taking this course, you should be able to:

- Meraki MX Security and SD-WAN Appliances
- Meraki MS and Catalyst Switches
- Meraki Wireless Access Points
- Compliance and Security
- Practical Labs and Exercises

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Course Outline

Module 0: Introductions

Module 1: Introduction to Meraki for Government

- Module Topics
- Lesson 1: Cisco Meraki for Government
- Lesson 2: Meraki for Government Product Overview
- Lesson 3: Meraki for Government Support Overview
- Module Summary

Module 2: Meraki for Government Licensing

- Module Topics
- Lesson 1: Meraki Licensing for Government Overview
- Lesson 2: Meraki for Government Co-Termination Licensing
- Lesson 3: Co-Termination Licensing in the Dashboard
- Lesson 4: Subscription Licensing Overview
- Lesson 5: Subscription Licensing in the Dashboard
- Module Summary

Module 3: Configuring the Meraki Dashboard

- Module Topics
- Lesson 1: Meraki Dashboard, Organizations, and Networks
- Lesson 2: Help & Support
- Lesson 3: Organizational-Wide Configure Settings
- Lesson 4: Configuring Administrators
- Lesson 5: Creating Networks & Managing Inventory
- Lesson 6: Organization > Overview Page
- Lesson 7: Login Attempts
- Lesson 8: VPN Status

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Course Outline

Cont. Module 3

- Lesson 9: Manage Firmware
- Lesson 10: Summary Reports
- Lesson 11: Organization Summary
- Lesson 12: Security Center
- Lesson 13: Configuring Network-Wide Settings
- Lesson 14: Network-Wide Administrators & Users
- Lesson 15: Network-Wide > Add Devices
- Lesson 16: Monitoring Clients
- Lesson 17: Group Policy
- Lesson 18: Configuring Location / Mapping Devices
- Lesson 19: Configuring Templates
- Lesson 20: Meraki RADIUS, ISE & Adaptive Policy Overview
- Lesson 21: Umbrella Overview
- Module Summary

Module 4: Meraki MX Security Appliances

- Module Topics
- Lesson 1: MX Models & Features
- Lesson 2: Cellular Capabilities
- Lesson 3: Local Status Page
- Lesson 4: Initial Setup using the Appliance Status Page
- Lesson 5: Addressing & VLANS
- Lesson 6: DHCP
- Lesson 7: Access Control
- Lesson 8: Splash Pages

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Course Outline

Cont. Module 4

- Lesson 9: Teleworker VPN With MX & MR
- Lesson 10: Security Introduction
- Lesson 11: Firewall Configuration
- Lesson 12: Threat Protection
- Lesson 13: Content Filtering
- Lesson 14: Meraki SD-WAN with Site- to-SiteVPNs
- Lesson 15: Configuring Meraki SD-WAN
- Lesson 16: Monitor Site-to-Site VPNs
- Lesson 17: Meraki SD-WAN & Traffic Shaping
- Lesson 18: Routing
- Lesson 19: Client VPN
- Lesson 20: Active Directory
- Module Summary

Module 5: Meraki Switch Overview

- Module Topics
- Lesson 1: Meraki Switch Overview
- Lesson 2: Meraki Switching Portfolio
- Lesson 3: Catalyst Meraki 9200/9300 Switches
- Lesson 4: Basic Switch Configuration
- Lesson 5: Provisioning Switch Stacks
- Lesson 6: Meraki Switch Settings
- Lesson 7: Configuring Switch Ports
- Lesson 8: Link Aggregation
- Lesson 9: Mirroring Switch Ports
- Lesson 10: DHCP Server Status

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Course Outline

Cont. Module 5

- Lesson 11: Routing & DHCP
- Lesson 12: Meraki Switch Multicast Configuration
- Lesson 13: Meraki MS Warm Spare Virtual Router Redundancy Protocol (VRRP)
- Lesson 14: Meraki Switch Open Shortest Path First (OSPF)
- Lesson 15: Meraki Switch Access Control Lists
- Lesson 16: Meraki Switch Access Policies (802.1X)
- Lesson 17: Organization-Wide Radius
- Lesson 18: Access Policy
- Lesson 19: Meraki Switch Port Profiles
- Lesson 20: Meraki Switch Port Schedules
- Lesson 21: Meraki Switch Staged Upgrades
- Lesson 22: VLAN Profiles
- Module Summary

Module 6: Meraki Wireless APs

- Module Topics
- Lesson 1: Wi-Fi Standards & Meraki AP Features
- Lesson 2: Meraki WIFI 6 AP Models
- Lesson 3: Meraki WIFI 6E Indoor Portfolio.
- Lesson 4: Meraki Antennas, Power, Mounts, & Accessories
- Lesson 5: Wireless Design
- Lesson 6: Wireless Configuration
- Lesson 7: SSID Configuration with Access Control
- Lesson 8: Per SSID - Firewall & Traffic Shaping
- Lesson 9: Splash Page Configuration
- Lesson 10: Configuring SSID Availability

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Course Outline Cont. 6 Module

- Lesson 11: Configuring Bluetooth Settings
- Lesson 12: Configuring Port Profiles
- Lesson 13: Wireless RF Radio Settings
- Lesson 14: Roaming Analytics Dashboard
- Lesson 15: RF Spectrum
- Lesson 16: Wireless Threats & Air Marshal
- Lesson 17: Location Heatmap
- Lesson 18: PCI Report
- Lesson 19: Location Analytics
- Lesson 20: Access Point Wireless Health Overview
- Module Summary

Module 7: Meraki Gateways MG

- Module Topics
- Lesson 1: Wireless WAN Capabilities
- Lesson 2: Cellular Solutions & MG Portfolio
- Lesson 3: MG Design
- Lesson 4: MG Appliance Page
- Lesson 5: MG Settings
- Module Summary

Module 8: Meraki Troubleshooting Overview

- Module Topics
- Lesson 1: Troubleshooting Methodology
- Lesson 2: Meraki Help and Support
- Lesson 3: Configure and Monitor Alerts
- Lesson 4: Change Log and Event Log

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Course Outline

Cont. Module 8

- Lesson 5: Meraki Packet Captures
- Lesson 6: Client Troubleshooting
- Lesson 7: Meraki MX Troubleshooting
- Lesson 8: Meraki MX Tools Tab
- Lesson 9: Meraki MS Troubleshooting
- Lesson 10: Meraki MS Tools Tab
- Lesson 11: Meraki MR Troubleshooting
- Lesson 12: Meraki MR Tools Tab
- Module Summary