

Meraki Wireless, Ready for the Enterprise (MER-WLS)

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In this Meraki Wireless, Ready for the Enterprise 4-day Cisco Official course provides a comprehensive introduction to Cisco Meraki wireless solutions, guiding learners from foundational concepts through advanced design, deployment, monitoring, and troubleshooting in cloud-managed environments. Participants begin by understanding the value of Cisco Meraki, its product portfolio, and licensing model, then progress into detailed coverage of Meraki wireless access points, including Wi-Fi 6, Wi-Fi 6E, Wi-Fi 7, indoor and outdoor models, and supporting antennas, mounts, and accessories. The course emphasizes best-practice wireless design principles, RF fundamentals, site surveys, roaming optimization, and switch and services integration, while also addressing real-world migration scenarios from Cisco DNA-based access points to the Meraki Dashboard.

As the course advances, learners gain hands-on experience configuring and deploying Meraki wireless networks using the Meraki Dashboard, including organizational and network-wide settings, administrator roles, inventory management, templates, group policies, SSIDs, security, firmware management, and integrations with Cisco Umbrella. Strong focus is placed on RF and channel management using Meraki's cloud-managed and AI-powered capabilities, such as Auto RF, Wireless AIOps, RX-SOP, spectrum analysis, and roaming analytics, enabling students to design and maintain high-performing wireless networks with minimal manual intervention.

The curriculum concludes with in-depth monitoring, troubleshooting, and automation topics, covering wireless health analytics, client and AP visibility, proactive WLAN monitoring, AI-driven root cause analysis, and integrations with tools such as ThousandEyes. Learners also explore Meraki APIs and integrations, including Dashboard APIs, Postman, Python libraries, action batches, and sensor-based use cases, as well as advanced integrations with Cisco Spaces and OpenRoaming to enable location services, smart workspaces, and enhanced user experiences. Through structured labs and real-world scenarios, this course prepares students to confidently design, operate, troubleshoot, and automate Cisco Meraki wireless networks at scale.

Why Attend with Current Technologies CLC

- Our Instructors are in 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 primary audience for this course is as follows:

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

Course Duration

4 days

Course Price

\$3895.00 or 38 CLCs

Methods of Delivery

- Instructor Led
- Virtual ILT
- On-Site

Prerequisites

- Knowledge of Meraki Wireless Networks

Module 1: Introduction to Meraki

- Why Cisco Meraki?
- Meraki Product Overview
- Meraki Licensing and Support Overview

Module 2: Meraki Wireless APs and Mounts

- Meraki AP Features
- Meraki WIFI 5 Indoor AP Models
- Meraki WIFI 6 Indoor AP Models
- Meraki Wi-Fi 6E Indoor Portfolio
- Meraki Outdoor WIFI 5 AP Models
- Meraki Outdoor WIFI 6 AP Models
- Meraki Antennas, Power, Mounts, and Accessories

Module 3: Designing Meraki Wireless Architectures

- Wireless Standards
- Meraki RF WLAN Design
- Site Survey
- Site Survey Tools
- Mounting Aps Best Practices
- Meraki Design Principles
- Meraki Roaming Design
- Switch Design for Meraki Wireless Networks
- Designing Meraki Network Services
- Organization and Network Design
- Migrating Cisco DNA APs to Meraki Dashboard

Module 4: Configuring the Meraki Dashboard

- Meraki Dashboard, Organizations, and Networks
- Organizational - Wide Configure Settings
- Configuring Administrators
- Creating Networks and Managing Inventory
- Organization > Overview Page
- Configuring Network - Wide Settings
- Network - Wide Administrators & Users
- Network - Wide > Add Devices
- Configuring Location / Mapping Devices
- Configuration Templates
- Configuring Group Policies

Module 5: Deploying Meraki Wireless

- Meraki Dashboard, Organizations, and Networks
- Organizational-Wide Configure Settings
- Configuring Administrators, Licensing, Network, and Devices
- Managing Firmware
- Packet Captures
- Group Policy

- Configuring Location / Mapping Devices
- Configuring Meraki and Umbrella
- Configuring Templates
- SSID Configuration
- Splash Page Configuration
- Configuring SSID Availability
- Configuring Bluetooth Settings
- Configuring Port Profiles
- Configuring Wireless Security

Module 6: Meraki Wireless RF and Channel Management

- Meraki Cloud - Managed RF Design
- Wireless RF Radio Settings
- Wireless AIOPs
- Auto RF - AI-Powered RF Optimizations
- RX-SOP
- Roaming Analytics Dashboard
- AP Neighbors - Advanced RF Spectrum Visualization
- RF Spectrum

Module 7: Monitoring Meraki Wireless

- MSP Monitoring Meraki Wireless
- Monitoring Organization - Wide Wireless
- Monitoring Network - Wide Wireless
- Monitoring a Specific Wireless Client
- Monitoring Wireless Traffic Analytics
- Topology
- View Wireless Events in the Event Log
- Capturing Wireless Packets
- Mapping Wireless Devices on a Floor Plan
- Monitoring Specific Access Points
- Access Point Wireless Health Overview
- Wireless Access Points - List
- Wireless Health

Module 8: Meraki Wireless Troubleshooting

- Troubleshooting Overview of Meraki Wireless
- Troubleshooting Meraki Wireless Management Tunnels
- Help and Support
- Tools for Wireless Troubleshooting
- Wireless Experience
- Roaming Analytics Dashboard
- Troubleshoot Wi-Fi Connection Issue
- Troubleshooting Client Roaming
- Troubleshooting Slow Wi-Fi
- Troubleshoot AP Issues
- Proactive WLAN Monitoring
- AP Issues
- Client Connection Issues
- AI - Powered Root Cause Analysis

- Thousand Eyes

Module 9: Meraki Wireless APIs and Integrations

- Meraki API and Integration Overview
- Meraki API Technologies and Tools
- Meraki Dashboard API
- Using Postman with Meraki
- Meraki Dashboard API Python Library
- AsyncIO
- People Count using Meraki Wireless APIs
- Network as a Sensor
- Use Case - Pulling Statistics from Meraki Devices
- Meraki Tools
- Meraki Action Batches

Module 10: Cisco Spaces / Meraki Integration and Open Roaming

- Cisco Spaces
- Integrate Network Components
- Integrate Meraki Network
- Implement and Troubleshoot Smart Operations
- Implement and Troubleshoot Smart Workspaces
- Meraki OpenRoaming
- Designing Power efficient Meraki Wireless Networks