

# Cisco Meraki Wireless

## Description

In this course, you will learn Cisco Meraki Wireless Solutions and how to configure each option step by step.

## Requirements

- Basic Networking Knowledge
- Basic Wireless Networks Fundamentals

## What you'll learn

- You will learn about Cisco Meraki Wireless Solutions and how to configure each option.

### Chapter 1 Cisco Meraki Wireless Solutions

Cisco Meraki Wireless Solutions

Cisco Meraki Systems Manager

Cisco Meraki Access Point Models

Cisco Meraki Cloud-Managed Access Points Requirements

Meraki AP Initialization

### Chapter 2 Cisco Meraki Wireless Terms and Best Practices

SU-MIMO and MU-MIMO with Beamforming

Roaming Technologies and 802.11r 11e 11v

Configuring 802.11w Management Frame Protection MFP

Client Balancing

### Chapter 3 Cisco Meraki Radio Settings

RF Profiles and Default Templates

Creating Custom Profile in detail

Assigning RF Profiles to APs and Old Radio Settings

Channel Planning Overview with Map View and List View

Auto Channel and Channel Configurations

Real-Time Auto Channel and Channel Change Reasons

Auto TX and Its Process

Band Steering and Configuring It

Minimum Bitrate Control

VLAN Tagging

## **Chapter 4 SSID Modes, Encryption and Authentication**

Bridge Mode

NAT Mode

Layer 3 Roaming With or Without A Concentrator

Encryption and Authentication Methods Part-1

Encryption and Authentication Methods Part-2

Configuring MAC Based Access Control for your SSID

## **Chapter 5 Firewall, Traffic Shaping and Group Policies**

Firewall Rules Overview

Configuring Layer 3 Firewall Rules

Configuring Layer 7 Firewall Rules

Firewall Rules Processing Order

Configuring NAC Options

Configuring Bandwidth Shaping

Configuring Traffic Shaping

Wireless Client Isolation

Configuring Group Policies

Applying Group Policies