

# Implementing Cisco Ultra-Reliable Wireless Backhaul Solutions for Fixed and Mobile Infrastructure (FMIS)

## Description

The **Implementing Cisco Ultra-Reliable Wireless Backhaul Solutions for Fixed and Mobile Infrastructure (FMIS)** training shows you how to configure multiprotocol label switching (MPLS) parameters using the radio configuration environment and the basics of the Cisco® Ultra-Reliable Wireless Backhaul (previously Cisco® Fluidmesh) Fluidity functionality for mobility-centric networking.

You will learn how to arrange settings for virtual local area network (VLAN), quality of service (QoS), spanning tree protocol (STP), network time protocol (NTP), Ethernet, remote access, view mode, pass-list and block-list functionalities, multicast, simple network management protocol (SNMP), Remote Access Dial-In User Service (RADIUS), link layer discovery protocol (LLDP), trivial file transfer protocol (TFTP), and inter-car communication.

## How you'll benefit

This training will help you:

- Gain an understanding of the intermediate and advanced principles that govern MPLS and Cisco® Ultra-Reliable Wireless Backhaul Fluidity
- Learn how to configure and optimize general and advanced settings related to Fluidity functionality
- Design and build Cisco® Ultra-Reliable Wireless Backhaul wireless networks for customer-driven applications

## Who should enroll

- System Sales Engineers
- Deployment Engineers

## Technology areas

- Internet of Things (IoT)

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## Objectives

- Describe the intermediate and advanced principles that govern MPLS
- Explain the intermediate and advanced principles governing Ultra-Reliable Wireless Backhaul Fluidity networking for Layer-2 and Layer-3 networks
- Describe how to apply general and advanced Fluidity device configuration settings
- Create Ultra-Reliable Wireless Backhaul wireless networks for customer-driven applications
- Design and build Ultra-Reliable Wireless Backhaul wireless networks for specific operational technology (OT) markets
- Optimize an Ultra-Reliable Wireless Backhaul wireless network under conditions of high latency, low throughput, and high-traffic density
- Use the Ultra-Reliable Wireless Backhaul network monitoring tool (FM-MONITOR) to monitor and enhance network performance

## Prerequisites

- There are no prerequisites for this training.

## Outline

- MPLS and Fluidity
- Creating Ultra-Reliable Wireless Backhaul Wireless Networks
- The Ultra-Reliable Wireless Backhaul Network Monitoring Tool

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## Links

- [Cisco U. Learning Path](#)
- [Cisco Learning Network Store](#)