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

Duration: 180 Days

The Implementing Cisco Ultra-Reliable Wireless Backhaul Solutions for Fixed and Mobile Infrastructure 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.

Skills You'll Learn:

- Describe intermediate and advanced principles that govern MPLS
- Explain intermediate and advanced principles that govern Cisco® Ultra-Reliable Wireless Backhaul Fluidity (mobile) networking for OSI Layer-2 and Layer-3 networks
- Understand how to apply advanced device configuration settings relating to Fluidity functionality
- Identify how to apply other important device configuration settings
- Describe the basics of how to create Ultra-Reliable Wireless Backhaul wireless networks for customer-driven applications
- Design and build Ultra-Reliable Wireless Backhaul wireless networks for specific OT markets
- Optimize an Ultra-Reliable Wireless Backhaul wireless network by overcoming 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
- Boost knowledge for protocols, solutions, and designs to acquire professional-level and expert-level networking roles

Learning Path 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