

## Implementing Cisco Enterprise Wireless Networks (CPL-ENWLSI)

Duration: 180 days

The Implementing Cisco Enterprise Wireless Networks (ENWLSI) Learning Path helps you implement network settings to provide a secure wireless network infrastructure and troubleshoot any related issues. This Learning Path will prepare you to use Cisco Identity Service Engine (ISE), Cisco Prime Infrastructure (PI), Cisco DNA Center, Cisco Spaces, and Cisco Connected Mobile Experiences (CMX) to monitor and troubleshoot network issues. The associated labs will reinforce concepts including deploying Cisco Catalyst 9800 Wireless Controller Release IOS XE Bengaluru 17.6.3, Cisco Digital Network Architecture (DNA) Center Release 2.3.3, Cisco PI Release 3.5, Cisco Spaces, Cisco CMX Release 10.5, features, and Cisco ISE Release 3.0.

This Learning Path prepares you for the Implementing Cisco Wireless Advanced Solutions (300-120 WLSI) v1.2 exam. If passed, you earn the Cisco Certified Specialist - Wireless Advanced Solutions certification and satisfy the concentration exam requirement for the Cisco Certified Network Professional (CCNP) Wireless certification.

### Skills You'll Learn

- Implement and secure wireless network infrastructures using Cisco Catalyst 9800 WLCs and IOS XE, including the configuration of AAA services and device hardening
- Monitor and troubleshoot network performance using Cisco DNA Center, Cisco Prime Infrastructure, and Cisco ISE to resolve connectivity issues and perform root-cause analysis
- Configure advanced wireless features, such as FlexConnect, Guest Access, and BYOD onboarding, to support complex enterprise connectivity requirements
- Optimize wireless traffic by implementing Quality of Service (QoS), Cisco Application Visibility and Control (AVC), and multicast services to ensure high-performance delivery for voice and video
- Deploy location-based services using Cisco Spaces and Cisco CMX to track wireless clients, monitor RF environments, and analyze location-specific data

### Learning Path Objectives

1. Secure and Monitor Wireless Networks: Learn how to secure, monitor, and troubleshoot the wireless network infrastructure.
2. Secure Client Connectivity: Discover how to implement 802.1X authentication and guest access, configure FlexConnect, and monitor and troubleshoot client connectivity.
3. QoS in Wireless Networks: Examine how to implement QoS, Cisco AVC, and multicast services in wireless networks.
4. Wireless Location Based Services: Explore how to deploy Cisco Spaces and Cisco CMX and implement location services.