Implementing Cisco Enterprise Wireless Networks Training

Duration: **5 Day**

BILGINC IT Academy
info@bilginc.com
+44 20 3807 0925
+90 212 282 7700

Overview

This course equips learners with the skills to implement and secure wireless network infrastructure using Cisco's enterprise-grade solutions. Covering technologies such as Cisco Identity Services Engine (ISE), Cisco Prime Infrastructure, DNA Center, Cisco Spaces, and the Connect Mobile Experience, this course focuses on both deployment and operational troubleshooting. Participants will gain hands-on experience with Cisco Catalyst 9800 Wireless Controllers, advanced location services, and wireless security frameworks, helping them prepare for the Cisco 300-430 ENWLSI exam.

Attendees will work within a live lab environment featuring physical access points and clients, with access to real DNA Center and Prime Infrastructure instances to enhance their monitoring and diagnostic capabilities.

Prerequisites

Participants should have:

- A general understanding of networking and wireless fundamentals
- Familiarity with routing and switching concepts

Completion of one or more of the following courses is recommended:

- Implementing and Administering Cisco Solutions (CCNA)
- Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)
- Understanding Cisco Wireless Foundations (WLFNDU)
- Wireless Fundamentals 1 (WFUN1) and Wireless Fundamentals 2 (WFUN2)
- Certified Wireless Network Administrator (CWNA)

Target audience

This course is designed for professionals who implement, support, or manage wireless infrastructure, including:

- Wireless network engineers and technicians
- Network administrators and managers
- Security network engineers
- Test engineers and project managers
- Network designers and sales engineers
- Midlevel wireless support professionals

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What You Will Learn

By the end of this course, learners will be able to:

- Implement and secure a Cisco enterprise wireless infrastructure
- Configure Cisco WLC, ISE, Prime Infrastructure, and DNA Center
- Deploy and manage FlexConnect, guest access, and BYOD solutions
- Implement AAA and 802.1X-based authentication
- Monitor, manage, and troubleshoot wireless networks and client connectivity
- Optimise wireless QoS and multicast traffic
- Integrate Cisco Spaces and CMX for enhanced location-based services
- Troubleshoot wireless performance, interference, and device behaviour using advanced tools