Implementing and Operating Cisco Wireless Core Technologies Training

Duration: **5 Day**

BILGINC IT Academy
info@bilginc.com
bilginc.com

This five-day instructor-led course develops the knowledge and practical skills required to implement, operate, secure, monitor, and troubleshoot enterprise Cisco wireless networks. Learners will explore modern wireless networking concepts, including radio frequency (RF) fundamentals, Wi-Fi standards, Cisco Catalyst 9800 Series Wireless LAN Controllers, Cisco access points, Cisco Meraki, wireless security, automation, and AI-assisted operations. The course prepares learners to deploy secure wireless infrastructure, optimise wireless performance, manage enterprise wireless environments using Cisco Catalyst Center, and troubleshoot common connectivity and operational issues. It also prepares learners for the Cisco 350-101 WLCOR examination, which fulfils the core exam requirement for Cisco Certified Network Professional (CCNP) Wireless and Cisco Certified Internetwork Expert (CCIE) Wireless certifications.

Prerequisites

- A solid understanding of networking fundamentals, including switching, routing, TCP/IP, and enterprise network architecture
- Experience working with Cisco networking technologies
- Familiarity with wireless networking concepts, RF fundamentals, and Wi-Fi standards
- Basic knowledge of Cisco wireless controllers and access points
- Experience equivalent to Cisco CCNA or the Understanding Cisco Wireless Foundations (WLFNDU) course is recommended but not mandatory

Target Audience

- Wireless network engineers
- Enterprise network engineers
- Network administrators
- Network architects
- Network automation engineers
- Technical consultants responsible for Cisco wireless deployments
- Professionals preparing for the Cisco 350-101 WLCOR certification exam
- Organisations looking to build expertise in designing, operating, and supporting secure enterprise wireless infrastructure

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What You Will Learn

Delegates will learn how to:

- Explain enterprise wireless architectures, governance models, and modern Wi-Fi technologies
- Evaluate RF characteristics, antenna selection, and wireless design principles for enterprise environments
- Deploy and configure Cisco Catalyst 9800 Wireless LAN Controllers and Cisco access points
- Configure secure wireless client connectivity using local and external authentication methods
- Implement mobility, roaming, guest networking, and client management policies
- Monitor and manage enterprise wireless networks using Cisco Catalyst Center
- Automate operational tasks using APIs and AI-assisted capabilities
- Analyse wireless traffic and troubleshoot client, controller, and access point issues using structured troubleshooting techniques
- Prepare for the Cisco 350-101 WLCOR certification examination