

Cisco 300-430 Exam Prep 2026

Cisco 300-430 ENWLSI 2026. Configure, secure, and troubleshoot wireless networks for the exam.

[IT Certifications](#) Instructor: Brian Mitchell • 5 sections • 46 lessons • 15.75h total

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About this course

Preparing for the Cisco 300-430 ENWLSI exam can feel overwhelming with all the topics to cover. This course cuts through the noise by focusing on the core skills you need, using a structured approach that mirrors the actual exam objectives.

We will walk you through each major topic with step-by-step explanations, practical case studies, and downloadable study aids. You will learn how to configure, secure, and troubleshoot wireless networks.

Course curriculum

Foundations and Exam Overview

- **Understanding the 300-430 ENWLSI Exam Structure (12m)**
We'll break down the exam domains, question types, and scoring so you know exactly what to expect on test day.
- **Setting Up Your Study Environment (8m)**
Learn how to organize your study materials and create a realistic timeline for your preparation.
- **Key Wireless Networking Concepts Refresher (15m)**
A quick review of essential terms and protocols to ensure you have a solid base to build upon.
- **Introduction to Cisco DNA Center and Automation (18m)**
Get a high-level view of how automation fits into modern wireless networks and why it's on the exam.
- **Defining Your Personal Study Strategy (10m)**
A practical session to help you identify your strengths and weaknesses for a targeted study plan.
- **Navigating Official Cisco Resources (9m)**
We'll show you how to effectively use Cisco's official exam blueprint and learning resources.
- **Common Exam Pitfalls and How to Avoid Them (11m)**
Learn about typical mistakes test-takers make and strategies to steer clear of them.

Core Wireless Security and Architecture

- **Configuring Enterprise-Grade Wireless Security (22m)**
Step-by-step guide to implementing WPA3, 802.1X, and other critical security protocols on Cisco gear.
- **Designing Secure Wireless LAN Architectures (25m)**
Learn how to plan and deploy a secure wireless network infrastructure from the ground up.
- **Implementing RADIUS and TACACS+ for Authentication (20m)**
A practical walkthrough of setting up centralized authentication for your wireless users.
- **Guest Access and BYOD Security Strategies (17m)**
We'll explore methods to securely manage guest networks and personal devices.
- **Troubleshooting Common Security Issues (24m)**
A problem-solving session focused on diagnosing and fixing authentication and encryption problems.
- **Using Cisco ISE for Policy Enforcement (28m)**
Deep dive into configuring Identity Services Engine for dynamic policy control.
- **Securing Wireless Mesh Networks (16m)**
Learn the specific security considerations and configurations for mesh deployments.
- **Real Case Study: Hospital Wireless Security (21m)**
Analyze a real-world scenario to apply security concepts in a high-stakes environment.
- **Lab: Building a Secure Wireless Profile (30m)**
Hands-on lab to create and deploy a complete secure wireless profile using Cisco tools.

Advanced Wireless Automation and Management

- **Automating Wireless Deployments with Python (26m)**
A beginner-friendly introduction to using Python scripts for repetitive wireless tasks.
- **Leveraging Cisco DNA Center for Automation (32m)**
Step-by-step guide to using DNA Center for policy-based automation and assurance.
- **Programmatic Configuration with NETCONF and RESTCONF (23m)**
Learn how to use modern APIs to configure and manage Cisco wireless devices.
- **Creating Custom Dashboards and Reports (19m)**
We'll show you how to build useful monitoring dashboards for your wireless network.
- **Automating Firmware and Software Updates (14m)**
A practical lesson on safely automating the update process for your access points.
- **Troubleshooting Automation Scripts (27m)**
A hands-on session to debug and improve your automation code for reliability.
- **Integrating Wireless Data with SIEM Tools (20m)**
Learn how to feed wireless logs and events into your security information system.
- **Downloadable Template: Wireless Automation Checklist (11m)**
Get a ready-to-use checklist to ensure your automation projects stay on track.
- **Case Study: Automating a Retail Store Rollout (29m)**
See how automation principles are applied in a large-scale, multi-site deployment.

Deep Dive: Monitoring, Analytics, and Assurance

- **Setting Up Proactive Wireless Monitoring (21m)**
Learn how to configure alerts and dashboards to catch issues before users complain.
- **Using Cisco CleanAir for Spectrum Analysis (18m)**
A practical guide to identifying and mitigating wireless interference sources.
- **Leveraging Analytics for Capacity Planning (25m)**
We'll show you how to use data to predict and plan for network growth.
- **Implementing Quality of Service for Wireless (23m)**
Step-by-step instructions for prioritizing voice and video traffic on your WLAN.
- **Troubleshooting Roaming and Client Connectivity (28m)**
A problem-solving session focused on seamless client mobility and connection drops.
- **Real-World Analytics: Campus vs. Warehouse Deployments (22m)**
Compare and contrast monitoring needs for different types of wireless environments.
- **Lab: Diagnosing a Performance Issue (35m)**
Hands-on lab to use monitoring tools to find the root cause of a slow network.
- **Downloadable Template: Wireless Health Report (13m)**
A customizable template for generating regular wireless network health reports.
- **Ensuring High Availability and Redundancy (19m)**
Learn strategies to design a resilient wireless network that avoids single points of failure.
- **Preparing for the Wireless Assurance Module (16m)**
Specific tips and tricks for the assurance-related questions on the 300-430 exam.

Advanced Application and Exam Readiness

- **Integrating Wireless with SD-Access (24m)**
A detailed look at how wireless fits into Cisco's Software-Defined Access architecture.
- **Configuring Advanced Location Services (27m)**
Step-by-step guide to setting up and using Cisco's location tracking features.
- **Securing IoT Devices on Your Wireless Network (20m)**
Learn methods to safely connect and manage a growing number of IoT endpoints.
- **Troubleshooting Complex Multi-Vendor Environments (31m)**
A problem-solving session focused on interoperability issues with non-Cisco devices.
- **Practice Exam: Wireless Security Domain (25m)**
Test your knowledge with a set of practice questions focused on security topics.
- **Practice Exam: Automation and Analytics Domain (28m)**
Another practice exam to gauge your skills in automation and monitoring.
- **Reviewing Your Practice Exam Results (15m)**
We'll walk through how to analyze your scores and identify areas for final review.
- **Final Exam Strategy and Time Management (12m)**
Practical tips for pacing yourself and tackling the exam efficiently on test day.
- **Downloadable: 300-430 Exam Day Checklist (8m)**
A one-page checklist to ensure you have everything you need before and during the exam.
- **Q&A Session: Common Exam Questions Answered (33m)**
A recorded session addressing frequently asked questions about the 300-430 exam.
- **Next Steps: Continuing Your Cisco Certification Journey (10m)**
A guide on what to do after passing the exam to advance your career further.

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