

OUR LEARNING EXCLUSIVE

- Custom exam prep software and materials
- Exam delivery in the classroom, with a **98% success rate**
- Course-specific thinQtank® Learning publications to make the learning fun and engaging
- Extended hours of training, including immersive hands-on exercises
- **We do not teach the test.** We always deliver valuable hands-on experience
- All reading material and study guides sent to you when you register
- Every course taught by CCIE expert instructors

TRAINING CAMP FORMAT

thinQtank® Learning delivers this course as an **instructor-led training camp**, with the exam sat in the classroom as part of the camp. Camps are scheduled by cohort rather than to a fixed calendar, and the balance of lecture and practical lab work is set to suit the group and the delivery method. Contact us for the schedule covering your dates.

PREREQUISITES

- 350-101 WLCOR, or equivalent wireless experience
- A working knowledge of Cisco wireless LAN controllers and access points
- Familiarity with 802.1X and identity services
- Exposure to QoS and multicast on the wired network

TARGET AUDIENCE

- Anyone working toward **CCNP Wireless** certification
- Anyone working toward **Cisco Certified Specialist — Wireless Implementation**
- Engineers deploying wireless across branch sites
- Engineers responsible for wireless security and client onboarding
- Engineers running location services or asked to start

DELIVERY METHODS

- Instructor-led training
- Immersive live-online training
- On-site and custom delivery

COURSE OVERVIEW

thinQtank® Learning offers a training camp for **Implementing Cisco Wireless Advanced Solutions**, a concentration exam in the CCNP Wireless track. As with all our Cisco training experiences, the exam is delivered in the classroom.

This is the implementation half: FlexConnect for branch deployments, QoS and multicast over the air, location services with Cisco Spaces, securing client connectivity through ISE, and hardening the infrastructure itself.

If you passed 300-430 ENWLSI within the last three years, you may not need this exam at all — Cisco recognises the old wireless concentrations in the new track. Ask us before you book.

EXAM

300-120 WLSI v1.2 — Implementing Cisco Wireless Advanced Solutions

Cisco does not publish a duration, question count or pass mark for this exam, so this sheet does not state one.

Passing this exam earns **Cisco Certified Specialist — Wireless Implementation**. Paired with the WLCOR core it completes **CCNP Wireless**.

This exam replaces **300-430 ENWLSI**, which moved out of CCNP Enterprise when Cisco created the wireless track on 19 March 2026. A pass on ENWLSI within the last three years is recognised in the new track. Verified against Cisco's exam-topics PDF, 1 September 2026.

EXAM DOMAINS 300-120 V1.2

FlexConnect		15%
QoS on Wireless Network		10%
Multicast		10%
Location Services		10%
Advanced Location Services		10%
Security for Wireless Client Connectivity		20%
Monitoring		15%
Device Hardening		10%

WHERE IT SITS

CCNP Wireless takes two exams: the core, plus one concentration.

WLCOR 350-101 CORE + **WLSI 300-120** → **CCNP Wireless**

The other concentration is **300-110 WLSD**, Designing Cisco Wireless Networks. You need only one of the two.

COURSE OBJECTIVES

On completing this course you will be able to:

- Implement FlexConnect switching and operating modes
- Configure FlexConnect groups and FlexConnect roaming
- Implement split tunneling and fault tolerance
- Configure VLAN-based central switching and Flex ACLs
- Perform a smart AP image upgrade
- Implement Office Extend
- Apply QoS schemes with wired-to-wireless mapping
- Configure wireless client QoS and implement AVC
- Describe multicast components and their effect on a wireless network
- Implement WLAN multicast, mDNS and Multicast Direct
- Deploy CMX and Cisco Spaces
- Track clients, RFID tags, interferers and rogue access points
- Deploy the CMX and Cisco Spaces components: detect and locate, analytics, presence, captive portals and connectors
- Implement location-aware guest services
- Troubleshoot location accuracy
- Configure connector high availability
- Implement wIPS through Cisco Catalyst Center
- Implement client profiling, and BYOD and guest access
- Configure central and local web authentication through ISE
- Implement supplicant and certificate provisioning
- Apply identity-based networking
- Produce Catalyst Center reports and manage alarms, rogues and RF interferers
- Troubleshoot client connectivity
- Harden devices through access controls, AP authentication and control plane ACLs

COURSE OUTLINE

01 FlexConnect

- Switching and operating modes
- FlexConnect groups and roaming
- Split tunneling
- Fault tolerance
- VLAN-based central switching
- Flex ACL
- Smart AP image upgrade
- Office Extend

02 QoS on the Wireless Network

- QoS schemes and wired-to-wireless mapping
- Wireless client QoS
- Application Visibility and Control

03 Multicast

- Multicast components
- Effects on the wireless network
- WLAN multicast
- mDNS
- Multicast Direct

04 Location Services

- CMX and Cisco Spaces deployment
- Client tracking
- RFID tags
- Interferers, rogue APs and clients

COURSE OUTLINE CONTINUED

05 Advanced Location Services

- CMX and Cisco Spaces components: detect and locate, analytics, presence
- Captive portals and connectors
- Location-aware guest services
- Troubleshooting location accuracy
- Connector high availability
- WIPS through Cisco Catalyst Center

06 Security for Wireless Client Connectivity

- Client profiling
- BYOD and guest implementation
- Central and local web authentication through ISE
- Supplicant provisioning
- Certificate provisioning
- Identity-based networking

07 Monitoring

- Catalyst Center reports
- Alarm and rogue management
- RF interferer management
- Troubleshooting client connectivity

08 Device Hardening

- Access controls
- AP authentication
- Control plane ACLs

HANDS-ON PRACTICE

Practical work runs throughout the camp and is built around the exam blueprint above, weighted toward the domains that carry the most marks. The balance of instruction and lab time is set to suit the group and the delivery method rather than to a fixed timetable.

Every hands-on exercise is also provided as a virtual build you keep after the camp ends, so the practice does not stop when the week does.

EXCLUSIVE LEARNING PACKAGE

- Comprehensive video training package
- Virtual builds of all labs and hands-on learning objectives, so you can keep practicing after the course ends
- Post-class ongoing Office Hours events — interactive sessions giving you access to top instructors long after your class finishes
- A Cisco-related acronym list to help you with the key terms
- Tips & Tricks — from preparing for your course through post-class review

TERMS

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