

# Advanced WLAN configuration on Catalyst 9800

Course code: WL4

Advanced configuration, monitoring, maintaining and troubleshooting on Cisco Wireless LAN solutions based on IOS-XE platform (Catalyst 9800 & 9100). Advanced features and architectures including wireless security. Course materials are focused on new WLC Catalyst 9800 with IOS-XE. Old type of WLC based on AireOS (3504, 5520 etc.) is NOT included in this training. For 3504, 5520 etc. see WL2 instead.

## Required skills

There are no strict prerequisites for this course. To fully benefit from attendance we recommend that students have the knowledge and skills on CCNA level. It is strongly recommended to attend the WL1 course.

## Course outline

- Configuration model - Tags & Policy
- AP Groups & VLAN groups
- AP Failover priority and HA, HA SSO, SMU & ISSU
- RRM optimization & CleanAir
- 802.1x & PKI & EAP
- Cisco Identity Services Engine (ISE)
- Configuring ISE & WLAN interaction
- PSK, MPSK, iPSK
- Cisco Prime Infrastructure
- Managing WLAN with Cisco Prime
- Using maps and map editor, planning mode
- FlexConnect mode
- Implementing Guest Access Services
- AVC & profiling
- QoS & Air Time Fairness & mDNS
- Troubleshooting
- Implementing Location Services

### GOPAS Praha

Na Strži 2097/63  
140 00 Praha 4 - Krč  
Tel.: +420 226 201 390  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 530 513 590  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 902 903 132  
[info@gopas.sk](mailto:info@gopas.sk)



Copyright © 2026 GOPAS, a.s.,  
All rights reserved