

# Cisco Nexus 9300/9500 and Application Centric Infrastructure

Course code: DC-N92

This instructor-led training is designed for technical professionals who have responsibilities installing, configuring, and operating Cisco Nexus 9500/9300 in ACI mode.

## What we teach you

- to understand of Nexus 9500/9300/2000 hardware and architecture
- to describe and understand the basic functionality of ACI
- to understand the basic setup of APIC controller
- to understand the fundamentals of service creation using APIC controller
- to be able to troubleshoot ACI fabric

## Required skills

Basic Internetworking knowledge, OSI model, TCP/IP protocol, Ethernet and configuration of Cisco routers covered for example in ICND1, ICND2 trainings. Basic knowledge of virtualization platforms.

## Course outline

- Cisco Nexus Family overview
- ACI fabric Design
- Cisco Nexus 9500 HW overview and architecture
- Cisco Nexus 9300 HW overview and architecture
- Cisco APIC overview
- Licensing Cisco Nexus 9000
- APIC controller basic setup
- Integrating APIC and virtualization platform
- Policy based model
- Configuring EPG, BD, service-contract
- Configuring L4-L7 services
- Connecting ACI to an external L2/L3 network
- firmware management
- ACI Troubleshooting

### GOPAS Praha

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



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