

# Cisco Nexus 9300/9500 - NXOS mode

Course code: DC-N91

This instructor-led training is designed for technical professionals who have responsibilities installing, configuring, and operating Cisco Nexus 9500/9300 and Nexus 2000 in data center environment.

## What we teach you

- to understand the Nexus 9500/9300/2000 hardware and architecture
- to describe and understand the basic architecture of NX-OS
- to understand basic switch configuration
- to understand FEX (Fabric Extender) concept and configure them
- to understand VxLAN/EVPN concept

## Required skills

Basic Internetworking knowledge, OSI model, TCP/IP protocol, Ethernet and configuration of Cisco routers covered in ICND1, ICND2. Knowledge of Cisco switches configuration, VLAN, IEEE 802.1w, inter VLAN routing covered in SWITCH or A2 and RS1 courses.

## Course outline

Cisco Nexus Family overview

Datacenter Design

Cisco Nexus 9500 HW overview and architecture

Cisco Nexus 9300 HW overview and architecture

Cisco Nexus 9500/9300 Traffic Forwarding

Licensing Cisco Nexus 9000

Fabric Extenders and VN-tagging

Cisco NX-OS Software

Initial Boot

ISSU

NX-OS Software CLI

Configuring User Management

Configuring ACL

Virtual Port Channel - overview and configuration

Connecting Fabric Extenders to Nexus 9300

Configuring Cisco Nexus 2000 Series Fabric Extenders

VXLAN introduction

VXLAN – flood and learn

VXLAN/EVPN

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