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