## Cisco Nexus NX-OS Programmability

## Course code: DC-PRG1

To introduce participants to various options and tools for development of own applications used to automate configuration and monitoring on a Cisco Nexus(NX-OS) platform. Participants will gain practical experience with NX-OS "On-Box" and "Off-Box API" tools as well as they get basic overview of programming for Cisco ACI. The training course contains several hands-on labs providing participants with opportunity to implement prepared examples and perform their own experiments around them.

## **Required skills**

Participants are expected to have fundamental TCP/IP networking knowledge and experience with administration of Cisco Nexus devices and NX-OS CLI (Command Line Interface). As the course is software oriented, good experience with

programming/scripting in Python language is needed as well.

## Course outline

- Development Environment Preparation
- Network APIs & Automation Protocols
- Cisco Nexus Programmability Introduction
- On-Box Programmability and Automation with Cisco Nexus NX-OS
- NX-OS Bash Scripting
- Cisco Nexus Linux Containers
- NX-OS Python Library
- Off-Box Programmability and Automation with Cisco Nexus NX-OS
- Cisco Nexus NX-API
- Cisco Nexus NX-API REST Object Oriented Data Model
- Cisco ACI Programmability Overview

GOPAS Praha

Kodaňská 1441/46 101 00 Praha 10 Tel.: +420 234 064 900-3 info@gopas.cz **GOPAS Brno** Nové sady 996/25 602 00 Brno Tel.: +420 542 422 111 **info@gopas.cz**  GOPAS Bratislava

Dr. Vladimíra Clementisa 10 Bratislava, 821 02 Tel.: +421 248 282 701-2 **info@gopas.sk** 



Copyright © 2020 GOPAS, a.s., All rights reserved