Course Content

Course Description:

This course is for software developers looking to automate network infrastructure and utilize APIs and toolkits to interface with SDN controllers and individual devices. You will learn about topics covered by the 300-560 NPDEV exam, leading to the Cisco Network Programmability Developer Specialist Certification. With multiple Webex Live Online sessions available for IT professionals like you to further your career with Cisco Network Programmability, NterOne makes this subject material easy to understand and apply to obtain your desired Cisco certification.

Learn more about various prerequisites, course objectives, who this course is specifically designed for, and module information for this Cisco training course by reading below.

At Course Completion:

Upon completing this course, the learner will be able to meet these overall objectives:
- Develop network applications in programmable environments such as ONEPk and XNC
- Develop applications to address use cases in WAN, DC, and campus environments

Target Student:

The primary audience for this course is as follows:
- Network engineers
- Field engineers
- System engineers
- Network designers
- Network operations
- Network automation engineers
- Network programmers
- Network developers
- Software engineers
- Application developers

Prerequisites:

The knowledge and skills that a learner should have before attending this course are as follows:
- CCNP or equivalent experience (CCNP, CCIE, CCDP, or CCDE is required to obtain the NP Design and Implementation Specialist certification)
- Complete the Programming for Network Engineers (PRNE) course (or equivalent Python programming experience)

Topics:

- Module 1: Course Introduction
- Module 2: Networking Fundamentals
- Module 3: Device Programmability
- Module 4: Cisco ACI
- Module 5: Cisco APIC-EM Module
- Module 6: OpenDaylight SDN Controller
- Module 7: Network Programming Tools and Techniques