

# **Developing Applications Using Cisco Core Platforms and APIs (DEVCOR) 2.0**

The **Developing Applications Using Cisco Core Platforms and APIs** training is designed to help you prepare for the Cisco DevNet Professional certification and professional-level network automation engineer roles. The focus of this training is implementation of network applications using Cisco platforms as a base, from initial software design to diverse system integration, as well as testing and deployment automation. The training provides hands-on experience solving real world problems using Cisco Application Programming Interfaces (APIs) and modern development tools.

## **Prerequisite**

The knowledge and skills you are expected to have before attending this training are:

- Knowledge of program design and coding with focus on Python
- Familiarity with Ethernet, Transmission Control Protocol Internet Protocol (TCP/IP) and internet-related networking
- Understand the utilization of APIs
- Understanding of software development and design methodologies
- Hands-on experience with a programming language (specifically Python)

These skills can be found in the following Cisco Learning Offering:

- Developing Applications and Automating Workflows using Cisco Platforms 1.0

## **Topics**

1. Designing for Maintainability
2. Designing for Serviceability
3. Implementing ChatOps Application
4. Advanced REST API Integration
5. Securing Application Data
6. Securing Web and Mobile Applications
7. Automating Application Release
8. Deploying Applications
9. Exploring Distributed Systems
10. Orchestrating Network and Infrastructure
11. Modeling Data with YANG
12. Using Relational and Nonrelational Databases