

Developing Applications Using Cisco Core Platforms and APIs (DEVCOR)

Price: 4595

Duration:

Delivery Methods: Virtual

Overview

The Developing Applications Using Cisco Core Platforms and APIs (DEVCOR) 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.

This training prepares you for the 350-901 DEVCOR v1.0 exam. If passed, you earn the Cisco Certified DevNet Specialist – Core certification and satisfy the core exam requirement for the Cisco Certified DevNet Professional and Cisco Certified DevNet Expert certifications.

How You'll Benefit

This training will help you:

- Take full advantage of the network and software development practices when implementing applications to fulfill business needs
- Design and implement automated workflows for network provisioning
- Design and develop applications built on Cisco platforms
- Design and implement integration of custom applications with Cisco platforms and devices
- Understand challenges in network programmability and system integration
- Gain knowledge for protocols, solutions, and designs to acquire professional-level and expert-level DevOps roles

Who Should Enroll

- Sr. Network automation engineers

- Sr. Software developers
- Sr. System integration programmers
- Sr. infrastructure architects
- Sr. Network designers
- Test development engineers

Learning Path Objectives

- Describe the architectural traits and patterns that improve application maintainability and serviceability
- Identify steps to design and build a ChatOps application
- Implement robust Representational State Transfer (REST) API integrations with network error handling, pagination, and error flow control
- Describe the necessary steps for applications and their user and system data
- Identify common tasks in automated application release process
- Describe best practices for application deployment
- Describe methodologies for designing distributed systems
- Describe the concepts of infrastructure configuration management and device automation
- Utilize Yet Another Next Generation (YANG) data models to describe network configurations and telemetry
- Compare various relational and nonrelational database types and how to select the appropriate type based on requirements

Learning Path Prerequisites

There are no prerequisites for this training. However, the knowledge and skills you are recommended 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 (DEVASC)

Learning Path Outline

- Designing for Maintainability
- Designing for Serviceability
- Implementing ChatOps Application
- Advanced REST API Integration
- Securing Application Data
- Securing Web and Mobile Applications
- Automating Application Release
- Deploying Applications
- Exploring Distributed Systems
- Orchestrating Network and Infrastructure
- Modeling Data with YANG
- Using Relational and Nonrelational Databases

Course Schedule

Date	Time	Price	Options
------	------	-------	---------

Why Professionals Choose TOPTALENT?

Dedicated Texas-Based Support

Get assistance every step of the way from our **Texas-based team**, ensuring your training experience is hassle-free and aligned with your goals.

3000+ Curated Professional Courses

Access an extensive portfolio of over 3000 courses across IT, Business Application and Leadership – Designed to meet evolving Industry demands

95% Client Approval Rating

Trusted by professionals nationwide our 95% approval rating reflects consistent quality, measurable impact and exceptional service.

Certified Industry Instructor

Learn from professionally certified experts with real world experience and a proven commitment to learner success.

For questions

call:

[\(469\) 721-6100](tel:(469)721-6100)

Email:

info@toptalentlearning.com

[Find More Training](#)

FAQ

What if I have to reschedule my class due to conflict?

Ten (10) business days' notice is required to reschedule a class with no additional fees. Notify TOPTALENT LEARNING as soon as possible at 469-721-6100 or by written notification to info@toptalentlearning.com to avoid rescheduling penalties.

How do I enroll for this class?

Please contact our team at 469-721-6100; we will gladly guide you through the online purchasing process.

What happens once I purchase a class?

You will receive a receipt and an enrollment confirmation sent to the email you submitted at purchase. Your enrollment email will have instructions on how to access the class. Any additional questions our team is here to support you. Please call us at 469-721-6100.

What is your late policy?

If a student is 15 minutes late, they risk losing their seat to a standby student. If a student is 30 minutes late or more, they will need to reschedule. A no-show fee will apply. Retakes are enrolled on a stand-by basis. The student must supply previously issued courseware. Additional fees may apply.

What happens when I finish my class?

You will receive a 'Certificate of Completion' once you complete the class. If you purchased an exam voucher for the class, a team member from TOPTALENT LEARNING will reach out to discuss your readiness for the voucher and make arrangements to send it.