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CISCO

DEVCOR Certification Training

Due to Covid-19 safety restrictions PhoenixTS will temporarily be unable to provide food to our students who attend class at our Training Center; however, our Break Areas are **currently open** where students will find a constant supply of Coffee, Tea and Water. Students may bring their own lunch and snacks to eat in our breakrooms or at their seat in the classroom or eat out at one of the many nearby restaurants.

Course Overview

Our 5-day, instructor-led DEVCOR (Developing Applications Using Cisco Core Platforms and APIs) training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online helps you prepare for the Cisco DevNet Professional certification. It will teach you:

- Describe the architectural traits and patterns that improve application maintainability
- Describe the architectural traits and patterns that improve application 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 securing user and system data in applications
- Describe the necessary steps for securing applications
- 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

This course helps you prepare to take the 350-901 Developing Applications Using Cisco Core Platforms and APIs (DEVCOR) exam.

By passing this exam, you satisfy the core exam requirement toward Cisco Certified DevNet Professional,

and you earn the Cisco Certified DevNet Specialist – Core certification.

Course Outline

Self-Study and Lecture

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

Lab Outline

- Construct Sequence Diagram
- Construct Web Sequence Diagram
- Use Cisco Webex Teams™ API to Enable ChatOps
- Integrate Cisco Meraki™ API to List Service Set Identifiers (SSIDs) and Retrieve Location Data
- Use Paginated REST API Endpoint
- Utilize REST API Error Control Flow Techniques
- Evaluate Application for Common Open Web Application Security Project (OWASP) Vulnerabilities
- Resolve Merge Conflicts with Git
- Diagnose Continuous Integration and Continuous Delivery (CI/CD) Pipeline Failures
- Containerize Application Using Docker
- Integrate Application into Existing CI/CD Environment
- Diagnose Problems Using Application Logs
- Configure Network Parameters Using Ansible and Puppet
- Synchronize Firepower Device Configuration
- Utilize RESTCONF for Network Configuration
- Query Relational Database
- Query Document Store
- Query Time Series Database
- Query Graph Database

Exam Information

Students can elect to take the 350-901 Exam.

Certification Exam 350-901 Details:

- Number of Questions: 50-60
- Passing Score: 80%
- Test Duration: 120 minutes
- Test Format: Multiple Choice, Multiple Answer, Drag and drop, Testlets, Simlets, Router & Switch Simulations
- Test Delivery: Pearson VUE

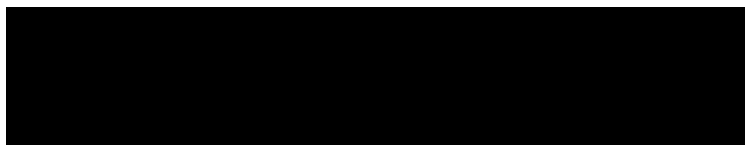
DEVCOR Certification Exam Domains:

Either exam option tests candidates on the following domains:

- Using APIs
- Cisco platforms
- Application deployment and security
- Infrastructure and automation

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Starting at **\$4,500**



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