IT-DEVCOR - Developing Applications Using Cisco Core Platforms and APIs

Cisco - CCNP DevNet - Networking

Durata:	Lingue:	Certificazione:
5 Giorni	**Italiano**	**Cisco Certified DevNet Professional**

Descrizione del corso

The Developing Applications Using Cisco Core Platforms and APIs (DEVCOR) v1.0 course helps you prepare for Cisco DevNet Professional certification and for professional-level network automation engineer roles. You will learn how to implement network applications using Cisco® platforms as a base, from initial software design to diverse system integration, as well as testing and deployment automation. The course gives you hands-on experience solving real world problems using Cisco Application Programming Interfaces (APIs) and modern development tools. 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

Programma

- Self-study: Designing for Maintainability
- Self-study: Designing for Serviceability
- Lecture: Implementing ChatOps Application
- Lecture: Describing Advanced REST API Integration
- Self-study: Securing Application Data
- Self-study: Securing Web and Mobile Applications
- Lecture: Automating Application-Release
- Lecture: Deploying Applications
- Lecture: Understanding Distributed Systems
- Lecture: Orchestrating Network and Infrastructure

• Lecture: Modeling Data with YANG
• Self-study: 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