IT-ENAUI - Implementing Automation for Cisco Enterprise Solutions

Cisco - CCNP Enterprise - Networking

Durata:	Lingue:	Certificazione:
3 Giorni	**Italiano**	**Cisco Certified Network Professional Enterprise**

Descrizione del corso

The Implementing Automation for Cisco Enterprise Solutions (ENAUI) v1.0 course teaches you how to integrate programmability and automation in the Cisco®-powered Enterprise Campus and Wide Area Network (WAN) using programming concepts, orchestration, telemetry, and automation tools to create more efficient workflows and more agile networks. Through a combination of lessons and hands-on labs, you will gain knowledge and skills for using Cisco Internetworking Operating System (Cisco IOS®-XE) for device-centric automation, Cisco Digital Network Architecture (Cisco DNA™) Center for the intent-based enterprise network, Cisco Software-Defined (SD) WAN, and Cisco Meraki™. You will study software development toolkits, industry-standard workflows, tools, and Application Programming Interface (APIs), such as Python, Ansible, Git, JavaScript Object Notation (JSON), YAML Ain't Markup Language (YAML), Network Configuration Protocol (NETCONF), Representational State Configuration Protocol (RESTCONF), and Yet Another Generation (YANG). This course helps you prepare to take the 300-435 ENAUTO exam, one of the six 'enterprise concentration exams' that you can choose after 350-401 ENCOR exam to achieve the CCNP Enterprise certification. The 300-435 ENAUTO exam will be available on February 24, 2020.

Programma

- Introducing Cisco SD-WAN Programmability
- Building Cisco SD-WAN Automation with Python
- Building Cisco SD-WAN Automation with Ansible
- Managing Configuration with Ansible and Network Automation and Programmability Abstraction Layer with Multivendor support (NAPALM)

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• Implementing On-Box Programmability and Automation with Cisco IOS XE Software
• Implementing Model-Driven Telemetry
• Day 0 Provisioning with Cisco IOS-XE
• Automating Cisco Meraki
• Implementing Meraki Integration APIs
• Implementing Automation in Enterprise Networks
• Building Cisco DNA Center Automation with Python
• Automating Operations using Cisco DNA Center

Lab outline

• Perform Administrative Tasks Using the Cisco SD-WAN API
• Build, Manage, and Operate Cisco SD-WAN Programmatically
• Consume SD-WAN APIs Using the Uniform Resource Identifier (URI) Module
• Build Reports Using Ansible-Viptela Roles
• Manage Feature Templates with Ansible
• Use NAPALM to Configure and Verify Device Configuration
• Implement On-Box Programmability and Automation with Cisco IOS XE Software
• Use Python on Cisco IOS XE Software
• Implement Streaming Telemetry with Cisco IOS XE
• Implement Cisco Meraki API Automation
• Explore Cisco Meraki Integration APIs
• Explore Cisco Meraki Webhook Alerts