Experimenting with REST APIs using Webex Teams - Course Resources

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Workshops Overview

The Cisco Networking Academy's Emerging Technologies Workshops are short, hands-on experiences--developed in partnership with Cisco DevNet--that expose your students to the latest internet technologies. The traditional networker skillset is evolving from being limited to solving problems using the CLI interface to meeting the opportunities and demands of programmable networks and automation. To meet this opportunity, students learn about new concepts in network programmability and automation, see how they work on real-world equipment, and quickly develop new emerging skills for today's evolving job market. Furthermore, each 8-hour Workshop is designed as bite-sized learning experiences to be flexibly and easily used to complement your existing learning pathways.

In each Workshop, students learn to work with emerging technologies that are frequently heard only as a series of buzzwords (i.e. APIs, REST, JSON, Python, Git, Postman, SDN, NFV, NETCONF, RESTCONF, Controllers, Orchestration, YANG, YAML, ACI, APIC-EM, Containers, etc.). The Workshop concept is to translate these buzzwords into simple "hello world" type systems integration practice with hands-on experiences. To accelerate the skills acquisition and to support future real-world tasks, students also learn the value of Communities of Practice such as Cisco DevNet, GitHub, StackOverflow. They will join these communities to further learn, collaborate, build, share as active members and start building their online professional presence.

Certification and Career Pathways

The Emerging Technologies Workshops provide a good starting point on the journey towards the Cisco DevNet Associate certification. Moreover, expanding existing learning pathways with Workshops increase the relevancy of the students in the job market with new emerging skills in network programmability and automation domain. There is a Certificate of Completion available for each Workshop.

Workshop: Experimenting with REST APIs using Webex Teams

The Experimenting with REST APIs using Webex Teams workshop introduces students to the basic competencies needed to create applications and automate tasks using REST APIs, the most popular architecture for software integration in IT.

By the end of this workshop, students will be able to:

- Understand value, set-up and use the most prevalent software language

(Python) and tools for network programmability (JSON, Postman).

- Understand the importance of participating in professional communities of practice when doing work in the software domain.
- Join and engage in 3 professional communities of practice: GitHub, Stack Overflow and Cisco DevNet.
- Describe the relevance of REST APIs architecture and perform basic software integration and automation using real-world APIs on an enterprise collaboration platform (Webex Teams).

Equipment & Applications

- In this workshop, students will use Cisco environments to provide access to latest Webex Teams applications and other free online software tools.

Pre-requisites

- Basic programming knowledge.