IT-SPAUI - Implementing Automation for Cisco Service Provider Solutions

Cisco - CCNP Service Provider - Networking

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

Descrizione del corso

The Implementing Cisco Service Provider Automation Solutions (SPAUI) v1.0 course prepares you to implement and support automation solutions in Service Provider network infrastructure, using network programmability principles, protocols, tools, and mechanisms. Through a combination of lessons and hands-on labs, you will learn to deploy, configure, monitor, and operate Service Provider network environments using modern data models. These models allow you to represent operational data and new network management protocols in order to administer hundreds or thousands of devices in a single operation, replacing traditional, time-consuming, error prone, device-by-device command line interface (CLI) management. The course also introduces powerful automation solutions that can streamline network operations.
This course covers Yet Another Next Generation (YANG) data models and validation tools, Representational State Transfer Configuration Protocol RESTCONF and Network Configuration Protocol (NETCONF) management protocols, model-driven telemetry with Google Remote Procedure Call (gRPC) and Google Network Management Interface (gNMI), traffic automation with XR Transport Control (XTC), Secure Shell (SSH)-based automation tools like NetMiko and Ansible, orchestration provided by Network Services Orchestration (NSO), Network Function Virtualization (NFV) lifecycle management with Elastic Services Controller (ESC), and network operations automation with WAN Automation Engine (WAE).
This course prepares you for the 300-535 Automating Cisco® Service Provider Solutions (SPAUTO) exam.

Programma

- Implementing Network Device Programmability Interfaces

- Implementing Model-Driven Programmability
- Implementing Model-Driven Telemetry
- Automating Service Provider Network Traffic with Cisco XTC
- Automating Networks with Tools That Utilize SSH
- Orchestrating Network Services with Cisco NSO
- Automating Virtualized Resources with Cisco Elastic Services Controller
- Automating the WAN with Cisco WAE

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