

# Implementing Automation for Cisco Service Provider Solutions (SPAUI)

**ID** SPAUI **Price** CHF 3,890.—(excl. VAT) **Duration** 3 days

## Who should attend

This course is designed for Service Provider networking professionals in job roles such as:

- Network administrators
- Network architects
- Network designers
- Network engineers
- Network managers
- Network Operations Center (NOC) personnel
- Network supervisors

## This course is part of the following Certifications

Cisco Certified Network Professional Service Provider (CCNP SERVICE PROVIDER)  
Cisco Certified DevNet Professional (CCDNP)

## Prerequisites

Before taking this course, you should have the following knowledge and skills:

- CCNP equivalent level of knowledge for Routing and Switching (R and S)
- Cisco Internetworking Operating System (IOS XE) and Cisco IOS XR working experience
- SP Operations experience with routing, Multi-Protocol Label Switching (MPLS) and Virtual Private Network (VPN) Solutions
- Network Programmability Basics (Network Programming Foundations, APIs and Protocols, Network Model Driven APIs and Protocols, Configuration Management with Ansible, Service Provider Network Automation workflows)

The following Cisco courses can help you gain the knowledge you need to prepare for this course:

- [Introducing Automation for Cisco Solutions \(CSAU\)](#)
- [Implementing and Operating Cisco Service Provider Network Core Technologies \(SPCOR\)](#)
- [Implementing Cisco Service Provider Advanced Routing](#)

## [Solutions \(SPRI\)](#)

- [Implementing Cisco Service Provider VPN Services \(SPVI\)](#)

## Course Objectives

After taking this course, you should be able to:

- Use NETCONF and RESTCONF programmability protocols on Cisco devices
- Describe and use tools to validate YANG data models on Cisco devices
- Describe and configure model-driven telemetry on Cisco devices
- Describe and configure network traffic automation with Cisco XTC
- Describe and use network automation tools that utilize SSH
- Automate service provider network configuration with Cisco NSO
- Describe how to automate virtualized resources with Cisco ESC
- Describe how to automate service provider WAN with Cisco WAE

This course will help you:

- Use network programmability to scale and streamline Service Provider network infrastructure
- Gain hands-on experience in using modern data models to manage Service Provider network infrastructure
- Earn 24 CE credits toward recertification
- Prepare for the 300-535 SPAUTO exam and join the DevNet class of 2020

## Training Centres worldwide



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