

SPAUI

Implementing Automation for Cisco Service Provider Solutions

The 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 visualize operational data and new network management protocols to manage hundreds or thousands of devices in a single operation, replacing the traditional, time-consuming, error-prone, device-by-device command line. The course also introduces powerful automation solutions that can streamline network operations.

Course Contents

- 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

E-Book You will receive the original course documentation from Cisco in English language as a Cisco E-Book. In the Cisco Digital Learning Version, the content of the courseware is integrated into the learning interface instead.

Target Group

- SP network administrators
- Network technicians
- Network supervisor
- Network managers
- NOC personnel

Prerequisites

- Equivalent level of knowledge in CCNP and R & S
- Experience with Cisco IOS XE and Cisco IOS XR
- SP Operations experience with routing, MPLS and VPN solutions
- Basics of network programming

The following courses provide good preparation:

- Introducing Automation for Cisco Solutions (CSAU)
- Implementing and Administering Cisco Solutions (CCNA®)
- Implementing Cisco Enterprise Network Core Technologies (ENCOR)

The course Introducing Automation for Cisco Solutions (CSAU) provides the basic knowledge required to successfully complete the training and should be attended in advance.

Processing time
approx. 18 hours

This Course in the Web



You can find the up-to-date information and options for ordering under the following link:
www.experteach-training.com/go/SPAUI

Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

Cisco Digital Learning

This course is available in the Cisco Digital Learning Library. These recently developed, multi-modal training events include HD videos moderated by lecturers with stored searchable text and subtitles, as well as exercises, labs, and explanatory text and graphics. We provide this offer to you via our myExperteach learning portal. Effective of the activation of the account, access to the courses will be granted for a duration of 6 months. In the case of packet solutions (Cisco Digital Learning Subscriptions), this time period will amount to 12 months.

Cisco Digital Learning	Prices, excl. of V.A.T.
6 months activation	€ 750

Training	Prices, excl. of V.A.T.
Classes in Germany	3 Days € 3,395
Online Training	3 Days € 3,395
Date/course venue	Course language German
24/11-26/11/25 Frankfurt	24/11-26/11/25 Online

Status 04/24/2025



Our Training Offer for You:



Classroom Training

The live training experience in our training centers or on your premises on-site.



Online Training

Attend your course in online mode – without travel and accommodation expenses and effort.



Hybrid Training

Classroom & online in one course – choose how you wish to participate in your training event.



In-house Training

We create your customized training concepts for your project.



Guaranteed Course Dates

ExperTeach guaranteed course dates allow for secure and reliable planning.

Awards Won by ExperTeach



ExperTeach Benelux B.V.

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