

CCNAAUTO

Automating Networks Using Cisco Platforms

In the "Automating Networks Using Cisco Platforms (CCNAAUTO)" course, you will learn how to implement basic network applications based on Cisco platforms and implement automation workflows for network, security, collaboration and computing infrastructures. The course gives you hands-on experience in solving real-world problems using Cisco Application Programming Interfaces (APIs) and modern development tools.

Course Contents

- Describe the importance of APIs and use of version control tools in modern software development
- Describe common processes and practices used in software development
- Describe options for organizing and constructing modular software
- Describe HTTP concepts and how they apply to network-based APIs
- Apply Representational State Transfer (REST) concepts to integration with HTTP-based APIs
- Describe Cisco platforms and their capabilities
- Describe programmability features of different Cisco platforms
- Describe basic networking concepts and interpret simple network topology
- Describe interaction of applications with the network and tools used for troubleshooting issues
- Apply concepts of model-driven programmability to automate common tasks with Python scripts
- Identify common application deployment models and components in the development pipeline
- Utilize tools to automate infrastructure through scripting and model-driven programmability
- Describe common security concerns and types of tests, and utilize containerization for local development

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

- Network Automation Engineers
- Software Developers
- System integration programmers
- Infrastructure architects
- Network designers

Prerequisites

There are no prerequisites for this training course. However, it is recommended that you have the following knowledge and skills before attending this training course:

- Basic computer skills
- Basic knowledge of working with PC operating systems
- Basic knowledge of using the Internet
- Practical experience with a programming language (especially Python)

This course from Cisco can help you prepare:
Python Programming for Network Engineers (PRNE)

Course Target

Acquire fundamental knowledge of applications, automation and Cisco platforms. Prepare for the CCNAAUTO: Automating Networks Using Cisco Platforms exam. Upon successful completion, you will receive the "Cisco Certified Network Associate (CCNA) Automation" certification.

Processing time
approx. 30 hours

This Course in the Web



You can find the up-to-date information and options for ordering under the following link:

www.expertech-training.com/go/CDVA

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 myExpertech 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	€ 800

Training	Prices, excl. of V.A.T.
Classes in Germany	5 Days € 4,550
Classes in Austria	5 Days € 4,550
Online Training	5 Days € 4,550
Date/course venue	Course language German
15/06-19/06/26 München	28/09-02/10/26 Düsseldorf
15/06-19/06/26 Online	28/09-02/10/26 Online
10/08-14/08/26 Frankfurt	30/11-04/12/26 Online
10/08-14/08/26 Online	30/11-04/12/26 Wien

Status 04/16/2026



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



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