

# CCNA PowerCamp

## Implementing and Administering Cisco Solutions

The PowerCamp is based on the original content of the CCNA course from Cisco, which is supplemented by further information and exercises. In addition, the content of the associated 3-day e-learning course is conveyed by an experienced trainer, which must be learned in the classic variant in self-study.

The configuration of network components such as switches, routers and wireless LAN controllers, the basics of network management and basic security threats in enterprise networks are learned. Participants also receive basic knowledge of network programming, automation and software defined networking (SDN).

This course prepares participants extensively and intensively for the Cisco® Certified Network Associate (CCNA®) exam. The exam can be taken at the end of the PowerCamp.

#### Course Contents

- Exploring the Functions of Networking
- Introducing the Host-to-Host Communications Model
- Operating Cisco IOS Software
- Introducing LANs
- Exploring the TCP/IP Link Layer
- Starting a Switch
- Introducing the TCP/IP Internet Layer, IPv4 Addressing, and Subnets
- Explaining the TCP/IP Transport Layer and Application Layer
- Exploring the Functions of Routing
- Configuring a Cisco Router
- Exploring the Packet Delivery Process
- Troubleshooting a Simple Network
- Introducing Basic IPv6 Lecture
- Configuring Static Routing
- Implementing VLANs and Trunks
- Routing Between VLANs
- Introducing OSPF
- Building Redundant Switched Topologies
- Improving Redundant Switched Topologies with EtherChannel
- Exploring Layer 3 Redundancy
- Introducing WAN Technologies
- Explaining Basics of ACL
- Enabling Internet Connectivity
- Introducing QoS
- Explaining Wireless Fundamentals
- Introducing Architectures and Virtualization
- Explaining the Evolution of Intelligent Networks
- Introducing System Monitoring
- Managing Cisco Devices
- Examining the Security Threat Landscape
- Implementing Threat Defense Technologies
- Securing Administrative Access
- Implementing Device Hardening

The virtual lab is available to the participants for 90 days from the start of the respective event for a total of 60 hours.

**E-Book** You will receive the original course documentation from Cisco in English language as a Cisco E-Book.

#### Target Group

This course is intended for anyone who is aiming for a CCNA certification in a short time and under the guidance of experienced trainers. The course provides basic knowledge for all support technicians who are involved in the basic installation, operation and monitoring of Cisco networks.

The fields of activity that best fit the teaching material used in this course are:

- Entry-level Network Engineer
- Network Administrator
- Network Support Technician
- Helpdesk Technician

#### Prerequisites

- Basic computer skills
- Basic knowledge of the PC operating system for system navigation
- Basic knowledge of internet usage
- Basic knowledge of IP addressing

There are no formal requirements for CCNA certification - however, you should make sure that you understand the exam topics well. And you will get this understanding in this PowerCamp!

#### 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/CCNB](http://www.experteach-training.com/go/CCNB)

#### 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.

Training	Prices, excl. of V.A.T.	
<b>Classes in Germany</b>	<b>10 Days</b>	<b>€ 4,195</b>
<b>Online Training</b>	<b>10 Days</b>	<b>€ 4,195</b>
<b>Date/course venue</b>	<b>Course language German</b>	
02/09-13/09/24	27/01-07/02/25	
02/09-13/09/24	27/01-07/02/25	
11/11-22/11/24	24/03-04/04/25	
11/11-22/11/24	24/03-04/04/25	

Status 06/30/2024



## 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.

Ceresstraat 1 · 4811 CA Breda · Phone: +49 6074 4868-0 · Fax: +49 6074 4868-109 · info@experteach.de · www.experteach-training.com