

# BGP-4

## Design and Configuration

BGP-4 has become the routing protocol of choice if large volumes of routing information have to be dealt with. It is used by Internet service providers both between Autonomous Systems (AS) and within the AS. Moreover, BGP-4 plays an important role in connecting large-scale customers with multi-homing. The participants will acquire know-how on BGP-4, which can be directly used for the configuration and optimization of their proper enterprise networks. In the process, the course imparts the competence required to configure networks by oneself and perform successful Internet routing. This knowledge is also needed for the setup and operation of an MPLS-based VPN backbone.

### Course Contents

- Setup, Working Mode, and Functions of BGP-4
- Attributes
- Communities
- Routing with BGP-4
- Routing Strategies in the Internet (Providing, Peering)
- Definition of Routing Policies
- Route Server and Internet Exchange Points
- Multi-Homing
- Comparison with Interior Gateway Protocols, such as OSPF
- Modern Features and Development in BGP-4
- Security in BGP-4
- Hands-On Exercises at the Test Network

**E-Book** You will receive the comprehensive documentation package of the ExperTeach Networking series – printed documentation, e-book, and personalized PDF! As online participant, you will receive the e-book and the personalized PDF.

### Target Group

The course addresses designers and operators of large-scale, private IP networks, as well as employees of Internet service providers, who are responsible for the optimization of the routing between autonomous systems. They will receive many hints and approaches to solutions to establish BGP concepts and to implement them.

### Prerequisites

A profound knowledge of the protocol details of the TCP/IP world, as well as a solid understanding of IP routing are necessary requirements for a successful attending of the course. Participation in the course TCP/IP is strongly recommended.

### 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/BGP4](http://www.experteach-training.com/go/BGP4)

### 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.

Status 07/28/2024

Training	Prices, excl. of V.A.T.	
<b>Classes in Germany</b>	<b>3 Days</b>	<b>€ 1,995</b>
<b>Classes in Austria</b>	<b>3 Days</b>	<b>€ 1,995</b>
<b>Online Training</b>	<b>3 Days</b>	<b>€ 1,995</b>
<b>Date/course venue</b>	<b>Course language German</b>	
11/11-13/11/24  Online	20/01-22/01/25  Online	
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20/01-22/01/25  Frankfurt	05/05-07/05/25  Online	



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