

# Ethernet VPNs with BGP

## Concepts and Applications

In data centers and cloud environments, it is often necessary to extend LAN domains over larger spatial distances. This allows backup and migration scenarios to be implemented with little effort. Ethernet services have also established a firm position in the service provider environment. Traditional LAN and MPLS-based solutions suffer from scalability problems and non-deterministic traffic management that is difficult to influence. In addition, the proven technologies fail to provide redundant customer connections due to excessive complexity. Ethernet VPN with BGP can be seen as a consistent further development of the proven BGP and MPLS-based Layer 3 services based on different transport media. The ability to automatically interconnect many locations using autodiscovery mechanisms and to proactively exchange accessible MAC and IP addresses between edge routers means that this innovative approach has many advantages over the tried and tested technologies. The role of BGP and the specifics of the transport media MPLS, Provider Backbone Bridging (PBB) and VXLAN are studied in detail in the training course. A test environment offers the opportunity to put what has been learned into practice and helps to gain a better understanding of the interrelationships.

### Course Contents

- Classic solutions
- Requirements for EVPNs
- Service Interfaces
- The function of BGP
- EVPNs with MPLS, PBB and VXLAN
- Use Cases for Service Providers
- Coupling scenarios for data centers
- Application in cloud solutions

**E-Book** The detailed digital documentation package, consisting of an e-book and PDF, is included in the price of the course.

### Target Group

The course is aimed at network administrators and planners who are using or planning to use EVPNs in their networks and want to gain a deep understanding of the technology and a feel for its use.

### Prerequisites

Profound knowledge of routing and switching technologies, especially BGP and MPLS, is desirable for successful participation.

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

### 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>3 Days</b>	<b>€ 2,395</b>	
<b>Online Training</b>	<b>3 Days</b>	<b>€ 2,395</b>	
<b>Date/course venue</b>	<b>Course language</b>	<b>German </b>	
27/05-29/05/26  Frankfurt	25/11-27/11/26  Frankfurt		
27/05-29/05/26  Online	25/11-27/11/26  Online		

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