

Wireless LAN I

Technologies, Access Procedures, and Security Concepts

Wireless LANs have long been a core component of every company network. In home networks and hotspots, they have almost completely replaced Ethernet, and there is no end in sight to the WLAN boom. This WLAN course provides an introduction to the technology and use of WLANs. Participants learn about the different WLAN technologies and standards, understand the architecture of WLANs and can solve planning and dimensioning tasks. Demonstrations on the test network provide the necessary practical relevance.

Course Contents

- Basics, Radio and Antenna Technology
- Topologies and Access Procedures
- Access Points and SSID
- IEEE 802.11a to 11be: The Transmission Standards
- Bit Rates and Ranges
- Application Areas of 802.11ac (Gigabit WLAN)
- Outlook 802.11be (Wi-Fi 7)
- Security in the WLAN—Consequences Arising from the Shared Medium
- TKIP, AES, WPA, WPA2, WPA3, IEEE 802.11i and Address Filters
- Advanced Security: 802.1X, RADIUS, EAP
- Authentication with Certificates

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 offers a practical and comprehensive insight into wireless LAN technology for network planners, administrators and sales-oriented employees.

Prerequisites

In addition to basic network and IT knowledge, no special prior knowledge is required for successful participation in this course. Further knowledge in the LAN area is an advantage for discussing the practical case studies.

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/WLAN

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!

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Classes in Germany	3 Days	€ 1,795	
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Date/course venue	Course language German 		
19/05-21/05/25	Hamburg	25/08-27/08/25	Online
19/05-21/05/25	Online	13/10-15/10/25	Hamburg
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21/07-23/07/25	Hamburg	10/11-12/11/25	Wien
21/07-23/07/25	Online	01/12-03/12/25	München
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