

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!

We can precisely customize this course to your project and the corresponding requirements.

Training		Prices, excl. of V.A.T.
Classes in Germany	3 Days	€ 1,795
Classes in Austria	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	
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21/07-23/07/25 Hamburg	10/11-12/11/25 Wien	
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Table of Contents

Wireless LAN I – Technologies, Access Procedures, and Security Concepts

1 Wireless LANs at a glance	2.4.5 The OFDMA method	4.4.3 Certificates
1.1 LANs - wireless vs. wired	2.5 Modulation methods	4.5 IEEE 802.1X
1.1.1 Requirements for local networks	2.5.1 Phase modulation (BPSK)	4.5.1 IEEE 802.1X framework
1.1.2 Application scenarios for WLANs	2.5.2 Quadrature amplitude modulation	4.5.2 EAP - Extensible Authentication Protocol
1.1.3 Facts at a glance	2.6 WLAN generations	4.5.3 EAP and network operating systems
1.2 Design and structure of a WLAN	2.6.1 IEEE 802.11	4.6 Availability
1.2.1 Ad-hoc vs. infrastructure	2.6.2 IEEE 802.11b	4.7 Authentication in the WLAN
1.2.2 Wi-Fi Direct	2.6.3 IEEE 802.11a	4.7.1 MAC address filters
1.2.3 Basic Service Area (BSA)	2.6.4 IEEE 802.11g	4.8 WPA: Wi-Fi Protected Access
1.2.4 Distribution system	2.6.5 802.11n: Wi-Fi 4	4.9 WPA2 and IEEE 802.11i
1.2.5 What is a repeater (WDS)?	2.6.6 802.11ac: Wi-Fi 5	4.9.1 Key management
1.2.6 Bridge/Mesh	2.6.7 IEEE 802.11ad-2012: 60 GHz	4.9.2 Data integrity with AES-CCMP
1.2.7 Controller-based solutions	2.6.8 802.11ax: Wi-Fi 6	4.9.3 Encryption with AES-CCMP
1.3 WLAN in the layer model	2.6.9 Special extensions	4.9.4 802.11i or WPA2?
1.4 Standardization and regulation	3 Topologies, access methods and protocols	4.9.5 Hole 196
1.4.1 Radio frequencies	3.1 Structure of a WLAN	4.9.6 KRACK
1.4.2 IEEE 802.11 standards	3.1.1 The infrastructure network	4.9.7 Protected Management Frames
2 Radio technology and WLAN generations	3.2 Logging on to the access point	4.10 WPA3
2.1 Physical basics	3.3 Access procedures	4.10.1 WPA3 Enterprise: Crypto methods
2.1.1 Attenuation and radiation	3.3.1 Distributed Coordination Function (CSMA/CA)	4.10.2 Simultaneous Authentication of Equals (SAE)
2.1.2 Frequency ranges in WLAN	3.3.2 Point coordination function	4.10.3 Easy Connect and PMF
2.1.3 Possible interferences	3.4 Data transport in WLAN architectures	4.10.4 Dragonblood
2.1.4 What does a spectrometer show?	3.5 Typical frame formats	A Exercises and Assignments for the Course
2.2 Antenna technology	4 Security and access protection	A.1 Structure of the exercise network
2.2.1 Diversity antenna system	4.1 Network security objectives	A.1.1 Accessing the FTP Server
2.2.2 MIMO	4.1.1 Security components	A.1.2 Reading Wireless Frames
2.3 Headers on Layer 1 and 2	4.2 Confidentiality	A.1.3 Finding data, management and control frames...
2.4 Frequency spreading	4.2.1 Diffie-Hellman - Generating symmetric keys	A.1.4 Inspect radio headers
2.4.1 Spread spectrum technologies	4.2.2 RSA - Asymmetric encryption	A.2 Infrastructure Network
2.4.2 The FHSS method	4.3 Integrity	A.3 Wireshark trace
2.4.3 The DSSS method	4.4 Authenticity	A.3.1 Signal and transmission rate at WLAN client
2.4.4 The OFDM method	4.4.1 Pre-distributed keys (preshared keys)	
	4.4.2 Digital signatures - the modern fingerprint	

