

Packet Analysis with Wireshark Analyzer (PAW)

ID PAW **Price 1,590.—** €(excl. tax) **Duration 2 days**

Our Wireshark workshops are now available with new content and in-depth exercises!

More info can be found under "Course Outline".

Who should attend

Network administrators and all other technical staff responsible for the planning, implementation and ensuring high performance operation of their data networks.

Prerequisites

Contents of the [Networking & TCP/IP Fundamentals \(NWF\)](#) course

Course Objectives

In this two-day course, participants receive a systematic introduction to the basic functions and operation of the Wireshark analyzer and learn methods and techniques for monitoring, analyzing and troubleshooting networks at the packet level, as well as how to differentiate between network and application problems.

Course Content

- Functions and basic operation of Wireshark Analyzer
- Advanced functions of Wireshark
- Methods and techniques for analysis and troubleshooting
- Statistics and baselining
- Network problems vs. application problems

Detailed Course Outline

Functions and basic operation of Wireshark Analyzer

- Introduction and operation of the Analyzer
- Live capture and live capture settings
- Display options and analysis possibilities
- Working with Capture Filter and Display Filter
- File Input and Output

Advanced functions of Wireshark

- Settings and user profiles
- Name resolution
- Reconstruction of user data - Reassembly of the protocol
- Packet coloring

Methods and techniques for analysis and troubleshooting

- What is packet analysis?
- Steps and techniques of traffic analysis
- Ethernet switch analysis
- Recording of wireless network traffic
- Determining delay and response times
- Measure and determine throughput and overhead
- Statistics and baselining
- Baselining of applications on the network
- Wireshark statistics
- Network problems vs. application problems
- Typical network problems
- Application types and typical application problems
- "Is it the network or the application?" - Isolation of error situations
- Analysis and reconstruction of voice traffic

About Fast Lane



Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

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- ✓ FLEX Classroom – Classroom & Online Hybrid
- ✓ Onsite & Customized Training
- ✓ E-Learning
- ✓ Blended & Hybrid Learning
- ✓ Mobile Learning

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