# Advanced Packet Analysis with Wireshark Analyzer

**Category:** Networking & Security | **Vendor:** Wireshark

**Duration:** 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Online

## Course Overview

This 3 day course will focus on the detailed analysis and troubleshooting of typical network protocols and applications with specific focus on switched Ethernet, TCP/IP networks and TCP/IP based applications.

## About This Course

This 3 day course will focus on the detailed analysis and troubleshooting of typical network protocols and applications with specific focus on switched Ethernet, TCP/IP networks and TCP/IP based applications.

## Who Should Attend

Network administrators, network managers and all technical staff who are responsible for planning, implementing, and ensuring high performance operation of their data networks

## Prerequisites & Entry Requirements

**General Prerequisites:**

- Basic understanding of Network Fundamentals and TCP/IP operation Networking & TCP/IP Fundamentals (NWF)
- Completion of Packet Analysis with Wireshark Analyzer (PAW)

## Learning Outcomes

**Upon successful completion of this course, participants will be able to:**

Participants will acquire knowledge and experience about detailed analysis and troubleshooting of typical network protocols and applications with specific focus on switched Ethernet, TCP/IP networks and TCP/IP based applications.

## Detailed Course Outline

Switched Ethernet analysis

- Spanning Tree operation and Spanning Tree analysis
- Analyzing VLANs, VLAN-Tagging

TCP/IP analysis of the network layer

- IP addressing
- Typical IP scenarios
- IP options
- ICMP, ARP and DHCP

TCP/IP analysis of the transport layer

- TCP functions
- Session Setup, Data Transfer and Session Teardown
- Window Mechanism and Window optimization
- TCP options (SACK, Window Scaling) and TCP timers

- UDP functions

Analyzing TCP/IP with Wireshark

- Wireshark preferences for advanced TCP/IP analysis
- Typical TCP/IP related problems
- Wireshark Expert Info messages and their meanings

TCP/IP applications

- HTTP
- FTP
- DNS
- SSL

**Skills You Will Learn:**

Participants will acquire knowledge and experience about detailed analysis and troubleshooting of typical network protocols and applications with specific focus on switched Ethernet, TCP/IP networks and TCP/IP based applications.

# Frequently Asked Questions

### Q: What delivery options are available for Advanced Packet Analysis with Wireshark Analyzer?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

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### Q: How many CPD hours does this course provide?

The 3-day Advanced Packet Analysis with Wireshark Analyzer course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

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### Q: What is the duration of the Advanced Packet Analysis with Wireshark Analyzer training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

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### Q: Do you provide corporate training for Advanced Packet Analysis with Wireshark Analyzer?

Yes, we provide corporate training, dedicated training, and closed classes for Advanced Packet Analysis with Wireshark Analyzer. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

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### Q: What related terms do people search for?

Popular related searches include: Advanced Packet Analysis with Wireshark Analyzer, Packet Analysis, APAW

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### Q: Why choose Nexus Human for Advanced Packet Analysis with Wireshark Analyzer?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

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### Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Advanced Packet Analysis with Wireshark Analyzer training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.


## Nexus Human

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