# Packet Analysis with Wireshark Analyzer Training

Duration: **2 Day**

BİLGİNÇ IT Academy
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## Overview

During this 2 day instructor led training course, delegates will receive a comprehensive introduction into the features, functions and the usage of the Wireshark Analyser and will learn methods and techniques about monitoring and analysis of their networks from the packet level.

## Prerequisites

Basic understanding of Network Fundamentals and TCP/IP operation such as the topics covered in the Networking & TCP/IP Fundamentals (NWF) course.

## What You Will Learn

Participants will receive a comprehensive introduction into the features, functions and the usage of the Wireshark Analyzer and will learn methods and techniques about monitoring and analysis of their networks from the packet level.

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## Outline

**Features, functions and basic operation of Wireshark Analyzer**

- Introduction and operation of Wireshark
- Live Capture and Live Capture settings
- Display options and basic interpretation
- Working with Display Filters and Capture Filters
- File Input and Output

**Advanced features of Wireshark Analyzer**

- Preferences and user profiles
- Name resolution
- Reconstructing user data – Protocol reassembly
- Packet colorization

**Methodology and techniques of network analysis**

- What is packet analysis?
- Steps and techniques for analyzing traffic
- Analysing Switched Ethernet - Tapping into the network
- Capturing wireless network traffic
- Measuring network delay and response time
- Measuring network throughput and overhead

**Statistics and Baselining**

- Baselining of networks and applications
- Wireshark statistics
- Analysing networks and applications
- Typical network related problems
- Application types and typical application related problems
- 'Is it the network or the application?' – Fault isolation
- Analysing and reconstructing voice traffic