Packet Analysis with Wireshark Analyzer (PAW) Training

Course 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