WiFi / 802.11 Network Analysis Training

Course Outline

The areas/topics covered in this course are:

- Wireless Network Analysis fundamentals

- Data Recorder technology and data-mining

- Wireless focused network security principles including encryption technologies and defensive configurations of network infrastructure devices

- Recognition for a variety of issues that affect WiFi/WLAN-based networks and the quality of the data. Factors including, latency, out-of-sequence packets, packet loss and retransmissions and how the End-User experiences them will be analyzed and evaluated. Key Wireless related protocols including Data, Management and Control and related supporting protocol architectures will be examined.

- Open-Source Wireless Network Analysis Tools

- Specialized Wireless Network Analysis techniques including audio data traffic reconstruction and viewing techniques.

- Real-World examples will be utilized throughout the course in conjunction with numerous hands-on exercises to provide field proven, practical Wireless Network Analysis skills.