The Global Leader in Wireless Security

Understanding WiFi Cyber Attacks

Wireless Security Awareness Course

WiFi is fast becoming popular in India - among home users, business travelers, and enterprises. While WiFi provides the benefits of wireless and mobile access, unsecured WiFi provides an easy target for hit-and-run style attacks allowing hackers to cause severe damage while remaining invisible and undetected. The crimes range from cyber extortion, downloading illegal content, to theft of credit card numbers and other private corporate information. Most importantly, the recent incidents of cyber terrorism in India showed that an unsecured WiFi connection poses danger to national security. Clearly, your WiFi network can become a huge liability if not secured properly.

Course Objectives:

This is an introductory course on WiFi security. The objective of this course is to help you:

- Understand the risks associated with WiFi networks
- Learn about the various types of wireless threats
- Learn about the best practices to configure and secure your WiFi network against wireless threats.

Who should attend:

Anyone interested in learning how to use WiFi securely at home, office, or in public places. Examples are:

- Corporate WiFi users, Home WiFi users
- Network administrators, IT managers, CIOs, CSOs
- Cyber law enforcement agents

There are no pre-requisites for this course.

Course Content:

Introduction

- Wireless LAN protocols and architectures

Wireless Security Challenges

- Paradigm shift from the traditional security model
- Real world WiFi cyber crimes

Need for Public Awareness

- Survey of WiFi security posture of major cities
- Survey of WiFi security posture at worldwide airports
- Best practices for WiFi Hotspots – service providers and users

Adopting a Layered Approach to Wireless Security

- Dos and Don'ts of WLAN configuration
- Locking down your authorized devices with encryption
- Wireless threat landscape
- Core functions of a wireless intrusion prevention system (WIPS)

Conducting wireless vulnerability assessment

- Demo using common WiFi hacking tools