

Wireless Administration & Security - *Seminar*

KEY DATA

FREETM
FREE FOR EVERYONE

Seminar Name:
Wireless Administration &
Security

Duration: 1.5 hours

Language: English

Format:
Facilitator-led with
Questions and Answer
Sessions



BENEFITS OF THIS SEMINAR

This 1.5-hour seminar is designed to entertain and educate attendees on the subject of Wireless LAN technologies.

SEMINAR OVERVIEW

The facilitator will delve into wireless standards, typical implementation and how these networks are attacked. Live demonstrations of typical attacks will be followed by a discussion of possible countermeasures.

UPON COMPLETION

Upon completion of this seminar, participants would have gained an overview of the Mile2 Instructor-led Course "Wireless Administration and Security" and how it relates to the Certified Wireless Network Administrator and Certified Wireless Security Professional credentials.

TOPICS COVERED

1. Are You Using Wireless?
2. Alphabet Soup
3. Secure Wireless? Implementation Methods
4. Types of Attacks
5. Types of Countermeasures
6. Mile2 Wireless Course Demonstrations
7. Mile2 Course Modules
8. Mile2 Course Hands-on Laboratories
9. Why Mile2?

1. Are You Using Wireless?

- a. Is wireless right for your organization?
- b. Is wireless capable of solving your connectivity challenges?
- c. If you are using wireless, is it implemented correctly?
- d. Is your wireless implementation secure?
- e. Is rogue wireless circumventing your security controls?

2. Alphabet Soup

- a. 802.11a/b/g/n/i
- b. 802.1x

3. Secure Wireless? Implementation Methods

- a. Adhoc
- b. Planned
- c. Rogue
- d. \$Types of Attacks
- e. Enumeration
- f. DoS Attacks
- g. Man-in-Middle
- h. Social Engineering
- i. Physical

4. Types of Countermeasures

- a. Security Policy
- b. Awareness
- c. Segmentation
- d. Encryption
- e. Authentication
- f. VPN
- g. IDS

5. Mile2 Wireless Course Demonstrations

- a. Enumeration
 - b. Sniffing
 - c. WEP Cracking
- Mile2 Course Modules

- d. Wireless Concepts
- e. Network Design, Installation and Management
- f. Site Survey
- g. Wireless Security Basics
- h. 802.1x Authentication
- i. Wireless Sniffing, Capture and Decryption
- j. Enterprise Wireless Security
- k. Wireless VPN Technologies
- l. Wireless Intrusion Detection
- m. Security Policy



6. Mile2 Course Hands-on Laboratories

- a. RF Fundamentals
- b. Configuring Access Points and Wireless Clients
- c. Wireless Performance Factors
- d. Site Survey
- e. Wardriving/Warwalking
- f. Configuring and Circumventing Basic Wireless Security Measures
- g. Configuring 802.1x Authentication
- h. Wireless Sniffing, Capture and Decryption
- i. Public Key Infrastructure Requirements
- j. Implementing PEAP and TKIP
- k. Rogue AP Detection and Leakage Analysis
- l. Wireless Hijacking
- m. 802.11i Attacks

7. Why Mile2?

- a. CWNA Book
- b. CWNA Examination
- c. CWSP Book
- d. CWSP Examination -- New 2006 Objectives
- e. 2004 Salary Survey from CertMag.com

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