SETC Training Corporate Logo

.NET Training: Building Secure Applications (SECOWASP, 3 jours)

Description

The course Building Secure Applications (.NET Training) teaches you build secure code which is resistant to hacker attacks. As applications become a more an more important part of our professional lives, security vulnerabilities become a key liability. The training includes encryption & message digests, code access security, authentication, session management, authorization and role based security. The course concludes with a study of symmetric % asymmetric encryption together with common hacks and security vulnerabilities such as SQL Injection, XSS scripting & session hijacking to name a few.

Tarifs

- Tarification: $3,350/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Introduction and Overview

- What are Web Applications and Web Services?
- About the Underlying Technology of Applications and Services
- A Few Important Definitions: Risk, Threats and Vulnerabilities
- An Overview of Risk Assessment and Management Techniques
- About Measuring the Risk
- About Dealing with Risk

Security Guidelines

- Input and Output Validation
- About Secure Failure
- The Need for Simplicity
- Reusing Trusted Components
- About Predictive Defence
- The Weakest Link Principle
- Obscuring Components doesn’t make them Secure
- About Least Privilege
- About Compartmentalization
- About the Architecture: Operating System, Infrastructure and Application
- Security Architecture of .NET or Java

Authentication

- Types of Authentication
- Overview of Browser Limitations
- Certificate Basics: Public Keys, Private Keys and Certificates
- Exploring Authentication Types: Basic, Digest, Forms and Certificate Based
- Using Cookies for Entity Authentication
- Using DNS for Infrastructure Authentication
- About Password Based Authentication Systems
- Implementing Authentication in .NET or Java

Managing User Sessions

- All you ever wanted to know about Cookies: Persistence, Security and Usage
- All you ever wanted to know about the Session Token