

.NET Training: Creating Secure .NET Applications (NFSEC, 4 jours)

Description

The ability to build secure code which is resistant to hacker attacks is a key skills for the modern programmer. As applications become a more and more important part of our professional lives, their security vulnerabilities become more and more of a liability. The course Creating Secure .NET Applications (.NET Training) takes programmers on a complete tour of the various security concerns in a .NET application. The discussion includes threats & vulnerabilities, encryption and message digests, .NET code access security, and .NET role based security to name a few. The course concludes with a detailed study of symmetric and asymmetric encryption techniques as well as common hacks and security vulnerabilities such as SQL injection, XSS scripting, session hijacking & more.

Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Security Basics

The Technology of Security

Java Security Models

Authorization Vs Authentication

Cryptography

Corporate Security Infra-structure

Security Essentials

Protecting the Content: Encryption

S/mime and Openpgp

Transport Layer Security (tls

SSL

The Message Digest

Digital Signatures

Certificates

The Microsoft Certificate Store

The Java Certificate Store

Symmetric Key Algorithms

Password Based Encryption

.NET Code Security

Overview

Designing Secure Classes

Securing Classes

Using Serialization

Securing Packages

File Io

Privileged Code

.NET Security

Overview

Permission Sets and Code Groups

Using Code Access Security

.NET Security Classes

Permissions

Encryption

Overview

Symmetric Vs Asymmetric Encryption

Authentication Methods

.NET Cryptography

.NET Framework Security

Symmetric Encryption

Overview

Password Based Encryption

Keys

Padding

Cipher-streams

Asymmetric Encryption

Overview

Keys, Padding and Modes

Session Key Encryption

File Encryption with Rsa

Key Agreement

Message Security

Overview

Message Digests

Digital Signatures

Certificates

Securing Resources

Securing ASP .NET

Securing XML Web Services

Securing a Database

Other Security Considerations

Common Hacks

Scanning Ports

Session Hijacking

Impersonation

Cross Site Scripting

SQL Injection

Other Hacks