

-Dokumentation



Zentrum für Informatik ZFI AG

Implementing Security for .NET Applications (NFSW) - IT Ausbildung nach Mass

<http://www.zfi.ch/NFSW>

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Zürich, Basel, Bern, Zürich, Schweiz

Titel	Implementing Security for .NET Applications
Untertitel	Applikationen absichern
Einleitung	This four-day instructor-led class provides students with a thorough grounding in Microsoft .NET security implementation and general development security best practices. This course will prepare a student to take the Implementing Security for Applications exam (available in Microsoft Visual Basic .NET 70-330 and Microsoft Visual C# 70-340).
Ihr Nutzen	After completing this course, students will be able to- Explain the basic concept of application security- Implement platform security best practices- Implement coding security best practices- Implement security using CLR and application domains- Implement role-based security by using the Microsoft .NET Framework- Implement CAS to secure applications- Implement cryptography in .NET- Improve the Security of remote applications built on the .NET Framework- Improve the Security of ASP.NET applications- Manage and configure security policies using Framework tools- Test application security- Deploy applications in a manner that minimizes security risks
Voraussetzungen	Should have a minimum of one year of experience using Microsoft Visual Studio .NET 2003 (.NET Framework 1.1) and 2&#8211;3 years of additional development experience.Should be experienced in either Visual Basic .NET or Visual C#.
Teilnehmerkreis	This course is intended for experienced, professional application developers, including those employed by software companies or working on corporate development teams
Unterlagen	Original-Microsoft-Kursunterlagen (englisch)
Folgekurse	
Inhalt	<ul style="list-style-type: none"> - Overview of Application Security - The Importance of Application Security - Application Security Best Practices - Implementing Platform Security Best Practices - Security Best Practices for COM+, IIS, and SQL Server 2000 - using ACLs and DACLs - Using Windows Least-Privilege Accounts - Using Audit Trails - Implementing Platform Cryptography - Implementing Data Protection - Implementing Coding Security Best Practices - Validating Application Input - Evaluating Canonicalization Issues - Using Security Exceptions - Using .NET Framework Security Features - Implementing CLR Security Mechanism - Implementing Security Using Application Domains

- Implementing Role-based Security
- Basics of Role-Based Security
- Role-Based Security with Principal and Identity Objects
- Role-Based Security with Permission Objects

- Implementing Code-Access Security
- Overview of Code-Access Security
- Performing Basic Security Operations
- Performing Imperative Security Operations
- Performing Declarative Security Operations
- Adding Permission Requests

- Implementing Cryptography in .NET
- Implementing Symmetric Cryptography
- Implementing Asymmetric Cryptography

- Securing ASP.NET Applications
- Implementing Authentication in ASP.NET Applications
- Implementing Authorization in ASP.NET Applications
- Implementing Impersonation in ASP.NET Applications
- Securing Web Files and Folders

- Securing Remote .NET Applications
- Introducing .NET Application Security
- Implementing Authentication and Authorization in .NET Remoting Applications
- Introducing Web Service Security
- Implementing WS Security

- Configuring .NET Security
- Managing Security Policies Using Mscorcfg.msc
- Managing Security Policy Levels Using Mscorcfg.msc

- Implementing Security Testing
- Overview of Security Testing
- Creating a Security Test Plan
- Performing Security Testing

- Deploying Applications with Security
- Deploying .NET Applications with Security Settings
- Deploying .NET Applications with Publisher Identity and Code Integrity

Beitrag

Der Teilnehmerbeitrag versteht sich rein netto. Das ZFI ist (gemäss MwSt-Gesetz) nicht Mehrwertsteuerpflichtig und erhebt somit keine

MwSt. Bei länger als einen Monat dauernden Lehrgängen ist die Zahlung des Teilnehmerbeitrages in mehreren Raten möglich (pro rata temporis).