

Programming Net Security

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Pro ASP.NET 2.0 Website Programming - Damon Armstrong 2006-11-08

* Pro ASP.NET 2.0 Website Programming shows how to provide users and customers with ASP.NET 2.0 websites that are easy-to-use, perform well, and secure. * This book clearly explains how to handle all of the common website tasks effortlessly: including logging in, displaying important customer information, querying data, reporting. and security. * With this book, readers will learn ASP.NET 2.0 and how to apply it to solve real business problems.

Network Programming in .NET - Fiach Reid 2004-07-01

The purpose of this book is to provide tools to design and implement network-orientated applications in .NET. It is also a guide for software designers to choose the best and most efficient way to implement mission critical solutions. The book addresses real-world issues facing professional developers, such as using third-party components as opposed in-house development. It differentiates itself from existing .NET publications because it is aimed at experienced professionals and concentrates on practical, ready-to-use information. The book is written in two languages C# and VB.NET, and covers never-before published information on Telephony in .NET and packet-level networking. This is the second book in the Digital Press Software Development Series. Coverage of lower level protocols allows implementation of performance-centric applications Demonstrates the feasibility of developing telephony solutions in-house rather than outsourcing Written in VB.NET and C# to assist readers working in either language Coverage of Email, FTP and the WWW allows implementation of applications in all three areas

NET Security and Cryptography - Peter Thorsteinson 2004

Learn how to make your .NET applications secure! Security and cryptography, while always an essential part of the computing industry, have seen their importance increase greatly in the last several years. Microsoft's .NET Framework provides developers with a powerful new set of tools to make their applications secure. NET Security and Cryptography is a practical and comprehensive guide to implementing both the security and the cryptography features found in the .NET platform. The authors provide numerous clear and focused examples in both C# and Visual Basic .NET, as well as detailed commentary on how the code works. They cover topics in a logical sequence and context, where they are most relevant and most easily understood. All of the sample code is available online at . This book will allow developers to: Develop a solid basis in the theory of cryptography, so they can understand how the security tools in the .NET Framework function Learn to use symmetric algorithms, asymmetric algorithms, and digital signatures Master both traditional encryption programming as well as the new techniques of XML encryption and XML signatures Learn how these tools apply to ASP.NET and Web Services security

.NET Security Programming - Donis Marshall 2003-04-29

Provides critical details and guidance from an experienced trainer. Includes tech reviews and guidance from key Microsoft developers. Authoritative and useful, covering security principles and security under Windows in a Web-based environment. Offers the first thorough exploration of security nameplates under the .NET framework.

Programming ASP.NET MVC 4 - Jess Chadwick 2012-09-26

Provides information on using ASP.NET MVC 4 to build server-side Web applications.

Programming Excel with VBA and .NET - Jeff Webb 2006-04-25

Why program Excel? For solving complex calculations and presenting results, Excel is amazingly complete with every imaginable feature already in place. But programming Excel isn't about adding new features as much as it's about combining existing features to solve particular problems. With a few modifications, you can transform Excel into a task-specific piece of software that will quickly and precisely serve your needs. In other words, Excel is an ideal platform for probably millions of small spreadsheet-based software solutions. The best part is, you can program Excel with no additional tools. A variant of the Visual Basic programming language, VB for Applications (VBA) is built into Excel to facilitate its use as a platform. With VBA, you can create macros and templates, manipulate user interface features such as menus and toolbars, and work with custom user forms or dialog boxes. VBA is relatively easy to use, but if you've never programmed before, Programming Excel with VBA and .NET is a great way to learn a lot very quickly. If you're an experienced Excel user or a Visual Basic programmer, you'll pick up a lot of valuable new tricks. Developers looking forward to .NET development will also find discussion of how the Excel object model works with .NET tools, including Visual Studio Tools for Office (VSTO). This book teaches you how to use Excel VBA by explaining concepts clearly and concisely in plain English, and provides plenty of downloadable samples so you can learn by doing. You'll be exposed to a wide range of tasks most commonly performed with Excel, arranged into chapters according to subject, with those subjects corresponding to one or more Excel objects. With both the samples and important reference information for each object included right in the chapters, instead of tucked away in separate sections, Programming Excel with VBA and .NET covers the entire Excel object library. For those just starting out, it also lays down the basic rules common to all programming languages. With this single-source reference and how-to guide, you'll learn to use the complete range of Excel programming tasks to solve problems, no matter what you're experience level.

Pro ASP.NET Web API Security - Badrinarayanan Lakshmiraghavan 2013-05-13

ASP.NET Web API is a key part of ASP.NET MVC 4 and the platform of choice for building RESTful services that can be accessed by a wide range of devices. Everything from JavaScript libraries to RIA plugins, RFID readers to smart phones can consume your services using platform-agnostic HTTP. With such wide accessibility, securing your code effectively needs to be a top priority. You will quickly find that the WCF security protocols you're familiar with from .NET are less suitable than they once were in this new environment, proving themselves cumbersome and limited in terms of the standards they can work with. Fortunately, ASP.NET Web API provides a simple, robust security solution of its own that fits neatly within the ASP.NET MVC programming model and secures your code without the need for SOAP, meaning that there is no limit to the range of devices that it can work with - if it can understand HTTP, then it can be secured by Web API. These SOAP-less security techniques are the focus of this book.

Programming .NET Components - Juval Lowy 2005-07-27

'Programming .NET Components', second edition, updated to cover .NET 2.0., introduces the Microsoft .NET Framework for building components on Windows platforms. From its many lessons, tips, and guidelines, readers will learn how to use the .NET Framework to program reusable, maintainable, and robust components.

ASP.NET Website Programming - Marco Bellinaso 2004-05-12

What is this book about? ASP.NET Website Programming shows you how to build an interactive website from design to deployment. Packed with solutions to website programming problems, this book will have you building well-engineered, extendable ASP.NET websites quickly and easily. What does this book cover? In this book, you will learn how to Establish a solid, scalable website foundation Provide flexible user accounts integrating with ASP.NET's built-in security Create message forums that enable formatted messages but defend against cross-site scripting Generate revenue from advertising Build a web interface for uploading, downloading, editing, and managing the files on your site Add opinion polls, email newsletters, and news management Deploy the finished site on a live server Build websites using good, n-tier coding techniques The site we build is modular. You can slot the modules into your own website, modify them, or use them as examples of particular ASP.NET techniques. Who is this book for? This book is for developers who Use ASP.NET and C# Use Visual Studio .NET Professional or above, or Visual C# .NET Standard Want to build content-based websites

Programming Microsoft .NET (core Reference) - Jeff Prosise 2002

CD-ROM contains: Searchable electronic version of text -- Source code for more than 75 complete sample programs and components written in C# -- .NET Framework SDK, plus service pack 1.

Programming Windows Security - Keith Brown 2000

A guide to computer security for software developers demonstrates techniques for writing secure applications, covering cryptography, authentication, access control, and credentials.

Programming with Managed Extensions for Microsoft Visual C++.NET, Version 2003 - Richard Grimes 2003

The compiler and linker extensions in Microsoft Visual C++ .NET provide specific capabilities that programmers can't get using Microsoft Visual C#.™. Programmers learn how to make the most of these extensions with this enlightening guide—updated for Visual C++ .NET 2003 and written by an authority on the subject. The book reveals the special programming rules for Managed Extensions and shows how to use them to write .NET libraries and applications. It also discusses the many features that are new to Visual C++ .NET 2003. This guide is ideal for developers who use Visual C#, but want to make the most of the unique facilities in Visual C++ .NET.

CIL Programming - Jason Bock 2008-01-01

Most .NET developers will use a high-level language, such as C# or VB .NET, to develop their systems. However, the core language of .NET is the Common Intermediate Language, or CIL. This language is the language of .NET-whatever is allowed by the .NET specifications can be done in CIL, and it can do much that C# and VB .NET cannot. Understanding how the CIL works will give .NET developers a deep, language-independent insight into the core parts of .NET. Furthermore, such knowledge is essential for creating dynamic types, a powerful part of the .NET Framework. In this book, Bock covers the essentials of programming the CIL. First, he discusses the basics of what .NET: assemblies are, how manifests fit into the picture, and much more. Bock then shows how to create assemblies in .NET-this will cover the ilasm directives and CIL opcodes, and how these are used to define assemblies, classes, field, methods, and method definitions. Bock also covers how C# and VB .NET and other non-MS languages emit CIL and how they differ. Finally, Bock shows how one can create dynamic assemblies at runtime via the Emitter classes.

Secure Coding in C and C++ - Robert C. Seacord 2005-09-09

"The security of information systems has not improved at a rate consistent with the growth and sophistication of the attacks being made against them. To address this problem, we must improve the underlying strategies and techniques used to create our systems. Specifically, we must build security in from the start, rather than append it as an afterthought. That's the point of Secure Coding in C and C++. In careful detail, this book shows software developers how to build high-quality systems that are less vulnerable to costly and even catastrophic attack. It's a book that every developer should read before the start of any serious project." --Frank Abagnale, author, lecturer, and leading consultant on fraud prevention and secure documents Learn the Root Causes of Software Vulnerabilities and How to Avoid Them Commonly exploited software vulnerabilities are usually caused by avoidable software defects. Having analyzed nearly 18,000 vulnerability reports over the past ten years, the CERT/Coordination Center (CERT/CC) has determined that a relatively small number of root causes account for most of them. This

book identifies and explains these causes and shows the steps that can be taken to prevent exploitation. Moreover, this book encourages programmers to adopt security best practices and develop a security mindset that can help protect software from tomorrow's attacks, not just today's. Drawing on the CERT/CC's reports and conclusions, Robert Seacord systematically identifies the program errors most likely to lead to security breaches, shows how they can be exploited, reviews the potential consequences, and presents secure alternatives. Coverage includes technical detail on how to Improve the overall security of any C/C++ application Thwart buffer overflows and stack-smashing attacks that exploit insecure string manipulation logic Avoid vulnerabilities and security flaws resulting from the incorrect use of dynamic memory management functions Eliminate integer-related problems: integer overflows, sign errors, and truncation errors Correctly use formatted output functions without introducing format-string vulnerabilities Avoid I/O vulnerabilities, including race conditions Secure Coding in C and C++ presents hundreds of examples of secure code, insecure code, and exploits, implemented for Windows and Linux. If you're responsible for creating secure C or C++ software--or for keeping it safe--no other book offers you this much detailed, expert assistance.

Programming .NET Web Services - Alex Ferrara 2002

This complete, comprehensive reference is for both experienced Perl programmers and beginners. The book includes all the basic documentation for the core Perl languages.

Programming .NET Security - Adam Freeman 2003

Provides an overview of the security facilities of the .NET Framework, covering such topics as assemblies, application domains, runtime security, cryptography, and ASP.NET application security.

Learning C# 2005 - Jesse Liberty 2006

A guide to using the C# programming language to build Windows and Web-based applications.

ASP.NET Core Security - Christian Wenz 2022-08-16

Secure your ASP.NET applications before you get hacked! This practical guide includes secure coding techniques with annotated examples and full coverage of built-in ASP.NET Core security tools. In ASP.NET Core Security, you will learn how to: Understand and recognize common web app attacks Implement attack countermeasures Use testing and scanning tools and libraries Activate built-in browser security features from ASP.NET Take advantage of .NET and ASP.NET Core security APIs Manage passwords to minimize damage from a data leak Securely store application secrets ASP.NET Core Security teaches you the skills and countermeasures you need to keep your ASP.NET Core apps secure from the most common web application attacks. With this collection of practical techniques, you will be able to anticipate risks and introduce practices like testing as regular security checkups. You'll be fascinated as the author explores real-world security breaches, including rogue Firefox extensions and Adobe password thefts. The examples present universal security best practices with a sharp focus on the unique needs of ASP.NET Core applications. About the technology Your ASP.NET Core applications are under attack now. Are you ready? There are specific countermeasures you can apply to keep your company out of the headlines. This book demonstrates exactly how to secure ASP.NET Core web applications, including safe browser interactions, recognizing common threats, and deploying the framework's unique security APIs. About the book ASP.NET Core Security is a realistic guide to securing your web applications. It starts on the dark side, exploring case studies of cross-site scripting, SQL injection, and other weapons used by hackers. As you go, you'll learn how to implement countermeasures, activate browser security features, minimize attack damage, and securely store application secrets. Detailed ASP.NET Core code samples in C# show you how each technique looks in practice. What's inside Understand and recognize common web app attacks Testing tools, helper libraries, and scanning tools Activate built-in browser security features Take advantage of .NET and ASP.NET Core security APIs Manage passwords to minimize damage from a data leak About the reader For experienced ASP.NET Core web developers. About the author Christian Wenz is a web pioneer, consultant, and entrepreneur. Table of Contents PART 1 FIRST STEPS 1 On web application security PART 2 MITIGATING COMMON ATTACKS 2 Cross-site scripting (XSS) 3 Attacking session management 4 Cross-site request forgery 5 Unvalidated data 6 SQL injection (and other injections) PART 3 SECURE DATA STORAGE 7 Storing secrets 8 Handling passwords PART 4 CONFIGURATION 9 HTTP headers 10 Error handling 11 Logging and health checks PART 5 AUTHENTICATION AND AUTHORIZATION 12 Securing

web applications with ASP.NET Core Identity 13 Securing APIs and single page applications PART 6 SECURITY AS A PROCESS 14 Secure dependencies 15 Audit tools 16 OWASP Top 10

Beginning ASP.NET Security - Barry Dorrans 2010-03-01

Programmers: protect and defend your Web apps against attack! You may know ASP.NET, but if you don't understand how to secure your applications, you need this book. This vital guide explores the often-overlooked topic of teaching programmers how to design ASP.NET Web applications so as to prevent online thefts and security breaches. You'll start with a thorough look at ASP.NET 3.5 basics and see happens when you don't implement security, including some amazing examples. The book then delves into the development of a Web application, walking you through the vulnerable points at every phase. Learn to factor security in from the ground up, discover a wealth of tips and industry best practices, and explore code libraries and more resources provided by Microsoft and others. Shows you step by step how to implement the very latest security techniques Reveals the secrets of secret-keeping—encryption, hashing, and not leaking information to begin with Delves into authentication, authorizing, and securing sessions Explains how to secure Web servers and Web services, including WCF and ASMX Walks you through threat modeling, so you can anticipate problems Offers best practices, techniques, and industry trends you can put to use right away Defend and secure your ASP.NET 3.5 framework Web sites with this must-have guide.

Professional ASP.NET 2.0 Security, Membership, and Role Management - Stefan Schackow 2006-01-31

Experienced developers who are looking to create reliably secure sites with ASP.NET 2.0 will find that *Professional ASP.NET 2.0 Security, Membership, and Role Management* covers a broad range of security features including developing in partial trust, forms authentication, and securing configuration. The book offers detailed information on every major area of ASP.NET security you'll encounter when developing Web applications. You'll see how ASP.NET 2.0 version contains many new built-in security functions compared to ASP.NET 1.x such as Membership and Role Manager, and you'll learn how you can extend or modify various features. The book begins with two chapters that walk you through the processing ASP.NET 2.0 performs during a web request and the security processing for each request, followed by a detailed explanation of ASP.NET Trust Levels. With this understanding of security in place, you can then begin working through the following chapters on configuring system security, forms authentication, and integrating ASP.NET security with classic ASP including integrating Membership and Role Manager with classic ASP. The chapter on session state looks at the limitations of cookieless session identifiers, methods for heading off session denial of service attacks, and how session state is affected by trust level. After the chapter explaining the provider model architecture in ASP.NET 2.0 and how it is useful for writing custom security providers you go to the MembershipProvider class and configuring the two default providers in the Membership feature, SqlMembershipProvider and ActiveDirectoryMembershipProvider. You'll see how to use RoleManager to make it easy to associate users with roles and perform checks declaratively and in code and wrap up working with three providers for RoleProvider - WindowsTokenRoleProvider, SqlRoleProvider, and AuthorizationStoreRoleProvider (to work with Authorization Manager or AzMan). This book is also available as part of the 5-book ASP.NET 2.0 Wrox Box (ISBN: 0-470-11757-5). This 5-book set includes: *Professional ASP.NET 2.0 Special Edition* (ISBN: 0-470-04178-1) *ASP.NET 2.0 Website Programming: Problem - Design - Solution* (ISBN: 0764584642) *Professional ASP.NET 2.0 Security, Membership, and Role Management* (ISBN: 0764596985) *Professional ASP.NET 2.0 Server Control and Component Development* (ISBN: 0471793507) *ASP.NET 2.0 MVP Hacks and Tips* (ISBN: 0764597663) CD-ROM with more than 1000 pages of bonus chapters from 15 other .NET 2.0 and SQL Server(TM) 2005 Wrox books DVD with 180-day trial version of Microsoft(r) Visual Studio(r) 2005 Professional Edition

Programming .NET Windows Applications - Jesse Liberty 2004

From the acclaimed authors of "Programming ASP.NET" comes this comprehensive tutorial on writing Windows applications for Microsoft's .NET platform.

Expert .NET 1.1 Programming - Simon Robinson 2004-09-27

* Established and high-selling .NET expert/author, with large fan following. * Broad and deep coverage, with full "look forward" to advanced programming methods available in .NET 2005. * Completely up-to-date with the latest iteration of the framework.

Fundamentals of Computer Programming with C# - Svetlin Nakov 2013-09-01

The free book "Fundamentals of Computer Programming with C#" is a comprehensive computer programming tutorial that teaches programming, logical thinking, data structures and algorithms, problem solving and high quality code with lots of examples in C#. It starts with the first steps in programming and software development like variables, data types, conditional statements, loops and arrays and continues with other basic topics like methods, numeral systems, strings and string processing, exceptions, classes and objects. After the basics this fundamental programming book enters into more advanced programming topics like recursion, data structures (lists, trees, hash-tables and graphs), high-quality code, unit testing and refactoring, object-oriented principles (inheritance, abstraction, encapsulation and polymorphism) and their implementation the C# language. It also covers fundamental topics that each good developer should know like algorithm design, complexity of algorithms and problem solving. The book uses C# language and Visual Studio to illustrate the programming concepts and explains some C# / .NET specific technologies like lambda expressions, extension methods and LINQ. The book is written by a team of developers lead by Svetlin Nakov who has 20+ years practical software development experience. It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C# language in the meantime. It is a great start for anyone who wants to become a skillful software engineer. The books does not teach technologies like databases, mobile and web development, but shows the true way to master the basics of programming regardless of the languages, technologies and tools. It is good for beginners and intermediate developers who want to put a solid base for a successful career in the software engineering industry. The book is accompanied by free video lessons, presentation slides and mind maps, as well as hundreds of exercises and live examples. Download the free C# programming book, videos, presentations and other resources from <http://introprogramming.info>. Title: Fundamentals of Computer Programming with C# (The Bulgarian C# Programming Book) ISBN: 9789544007737 ISBN-13: 978-954-400-773-7 (9789544007737) ISBN-10: 954-400-773-3 (9544007733) Author: Svetlin Nakov & Co. Pages: 1132 Language: English Published: Sofia, 2013 Publisher: Faber Publishing, Bulgaria Web site: <http://www.introprogramming.info> License: CC-Attribution-Share-Alike Tags: free, programming, book, computer programming, programming fundamentals, ebook, book programming, C#, CSharp, C# book, tutorial, C# tutorial; programming concepts, programming fundamentals, compiler, Visual Studio, .NET, .NET Framework, data types, variables, expressions, statements, console, conditional statements, control-flow logic, loops, arrays, numeral systems, methods, strings, text processing, StringBuilder, exceptions, exception handling, stack trace, streams, files, text files, linear data structures, list, linked list, stack, queue, tree, balanced tree, graph, depth-first search, DFS, breadth-first search, BFS, dictionaries, hash tables, associative arrays, sets, algorithms, sorting algorithm, searching algorithms, recursion, combinatorial algorithms, algorithm complexity, OOP, object-oriented programming, classes, objects, constructors, fields, properties, static members, abstraction, interfaces, encapsulation, inheritance, virtual methods, polymorphism, cohesion, coupling, enumerations, generics, namespaces, UML, design patterns, extension methods, anonymous types, lambda expressions, LINQ, code quality, high-quality code, high-quality classes, high-quality methods, code formatting, self-documenting code, code refactoring, problem solving, problem solving methodology, 9789544007737, 9544007733

NET Programming - Pradeep Kumar Tapadiya 2002

Tapadiya takes a straightforward, hands-on approach to explain everything readers need to know from development to deployment and maintenance for this platform--all from a developer's perspective. Using C# as the primary language, and with plenty of code examples throughout, this book is an excellent way to learn.

Programming .NET Components - Juval Löwy 2003

The introduction of the Microsoft® .NET framework not only brings developers a powerful, cohesive toolset for the development of new Windows and Web applications -- it also replaces COM as the technology of choice for building components on Windows platforms. Components are the fundamental building blocks of .NET applications; they can both simplify and add flexibility to complex applications. Applied properly, component-oriented programming enable reuse, allow for long-term maintenance, application extensibility and scalability. Component technology is nothing new, but the .NET Framework offers developers a new way to develop binary components rapidly, without the hurdles that many COM developers have had to deal

with prior to .NET. While retaining all of the core concepts that define component-oriented development--language independence, separation of interface from implementation, binary compatibility, versioning, concurrency management, location transparency, security, deployment--.NET is built upon a fresh component-oriented runtime that has an easier time providing these core concepts. Programming .NET Components offers a complete introduction to the new Microsoft .NET component model, focusing on the aspects of .NET that make it ideal for building reusable, maintainable, and robust components. Author Juval Löwy, a noted authority on component-oriented programming, teaches the intricacies of .NET component programming and the related system issues to application developers, along with relevant design guidelines, tips, best practices, and known pitfalls. The book is packed with helpful original utilities aimed at simplifying the programming model and increasing the developer productivity. The book begins with an appreciation for the "why" and fundamentals of component-oriented programming, and then continues with an introduction to .NET essentials. Following practical, expert advice on effective .NET development techniques, the book then devotes a chapter to each of the following features critical to component development: Resource management Versioning Events Asynchronous calls Multithreading Serialization Remoting Component services Security. Programming .NET Components offers everything you'll need to know to program components for real-life .NET applications, using Windows Forms, ASP.NET, ADO.NET, or web services. Anyone interested in developing .NET applications, especially enterprise level, will find this book an invaluable resource.

.Net Programming Black Book, New Edition: Covering C# 2005, Vb 2005, Asp.Net And .Net Framework - Kogent Solutions Inc 2007-09

.NET Black Book is the one-time reference and solid introduction, written from the programmer's point of view, containing hundreds of examples covering every aspect of VS 2005 programming. It will help you master the entire spectrum of VB 2005 from Visual basic language reference to creating Windows Applications to control docking, from basic database handling to Windows Services, from Windows Mobile Applications to directory services and My Object and much more. In C# 2005 from C# language reference to OOPS to delegates and events and error handling in .NET Framework from graphics and file Handling to Remoting, from collection and generics to security and cryptography in .NET Framework and much more. In ASP.NET 2.0 from features of ASP.NET 2.0 to standard and HTML controls from navigation controls to Login and Web Parts controls, from data driven web applications to master pages and themes, from Caching to web services and AJAX and much more. This unique book is designed to contain more VS 2005 coverage than any other no doubt every aspect of the book is worth the price of the entire book.

Professional Visual Basic 2012 and .NET 4.5 Programming - Bill Sheldon 2012-12-13

Explore Visual Basic 2012 and .NET 4.5 with this fully updated resource After a quick review of the of introductory topics of VisualBasic 2012 and .NET 4.5, this book moves quickly into advanced topics such as data access with ADO.NET, security, ASP.NET webprogramming with Visual Basic, Windows workflow, and threading. You'll explore the essential Visual Basic 2012 functions you need, including .NET features such as LINQ, WCF, and more. Plus, you'll examine exception handling and debugging, Visual Studio features, and deployment. Puts the new Async keyword and Iterators to work Explores new options and interfaces presented by Windows 8 development and WinRT Continues strong coverage of core language elements and tools and creating componentized applications This updated version of Professional Visual Basic 2012 and .NET 4.5 retains its expert author team, including one of the best-known and respected Microsoft Visual Basic MVPs, Bill Sheldon, and Microsoft Regional Director "Software Legend" Billy Hollis.

Programming Perl in the .NET Environment - Yevgeny Menaker 2002

A practical introduction to programming in Perl utilizing the rich capabilities of Perl and the services provided by .NET.

Programming .NET Security - Adam Freeman 2003-06-27

With the spread of web-enabled desktop clients and web-server based applications, developers can no longer afford to treat security as an afterthought. It's one topic, in fact, that .NET forces you to address, since Microsoft has placed security-related features at the core of the .NET Framework. Yet, because a developer's carelessness or lack of experience can still allow a program to be used in an unintended way, Programming .NET Security shows you how the various tools will help you write secure applications. The

book works as both a comprehensive tutorial and reference to security issues for .NET application development, and contains numerous practical examples in both the C# and VB.NET languages. With Programming .NET Security, you will learn to apply sound security principles to your application designs, and to understand the concepts of identity, authentication and authorization and how they apply to .NET security. This guide also teaches you to: use the .NET run-time security features and .NET security namespaces and types to implement best-practices in your applications, including evidence, permissions, code identity and security policy, and role based and Code Access Security (CAS) use the .NET cryptographic APIs, from hashing and common encryption algorithms to digital signatures and cryptographic keys, to protect your data. use COM+ component services in a secure manner If you program with ASP.NET will also learn how to apply security to your applications. And the book also shows you how to use the Windows Event Log Service to audit Windows security violations that may be a threat to your solution. Authors Adam Freeman and Allen Jones, early .NET adopters and long-time proponents of an "end-to-end" security model, based this book on their years of experience in applying security policies and developing products for NASDAQ, Sun Microsystems, Netscape, Microsoft, and others. With the .NET platform placing security at center stage, the better informed you are, the more secure your project will be.

.NET Security - Peter Stromquist 2002-07-08

Issues and questions regarding security and the .NET Framework are addressed.

NET Security and Cryptography - Peter Thorsteinson 2003

Programming ASP.NET AJAX - Christian Wenz 2007-11-15

Delivering rich, Web 2.0-style experiences has never been easier. This book gives you a complete hands-on introduction to Microsoft ASP.NET AJAX 1.0, the new framework that offers many of the same benefits for Ajax development that ASP.NET provides for server-side development. With Programming ASP.NET AJAX, you'll learn how to create professional, dynamic web pages with Ajax in no time. Loaded with code and examples that demonstrate key aspects of the framework, this book is ideal not only for ASP.NET developers who want to take their applications a step further with Ajax, but for any web developers interested in ASP.NET AJAX, no matter what technology they use currently. That includes JavaScript programmers who would like to avoid the headaches of writing cross-browser code. Programming ASP.NET AJAX offers you: A high-level overview of the ASP.NET AJAX framework Functional code that you can cut and paste for use in your own applications The essentials of JavaScript and Ajax to help you understand individual technologies used by the framework An organization that reflects the framework's packages, including Extensions, Control Toolkit, the Futures CTP, and the AJAX Library Sidebars throughout the book that identify and propose solutions to potential security breaches Ways to use the standards-based AJAX Library with other platforms, such as PHP A complete chapter on the UpdatePanel control for making individual parts of a web page independently updateable -- one of the framework's most important elements Released previously as Programming Atlas to cover the beta version of the Microsoft framework, this edition is fully up-to-date and expanded for the official 1.0 release of ASP.NET AJAX. Written by Christian Wenz -- Microsoft MVP for ASP/ASP.NET and AJAX Control Toolkit Contributor -- Programming ASP.NET AJAX contains many hard-to-find details, along with a few unofficial ways to accomplish things.

Professional WCF Programming - Scott Klein 2007-07-02

Part of the new .NET 3.0 extensions to .NET 2.0, WCF provides a unified platform for building and running connected systems and will be used by almost every .NET or SQL Server developer Targeted to experienced developers who want to build service-oriented and transactional applications on the Microsoft platform that offer reliable and secure transactional messaging Addresses the WCF technologies as well as the next generation of configuring and deploying network-distributed services Key topics discussed include binding, contracts, clients, services, security, deployment, management, and hosting

Writing Secure Code - Michael Howard 2003

Covers topics such as the importance of secure systems, threat modeling, canonical representation issues, solving database input, denial-of-service attacks, and security code reviews and checklists.

Programming in the .NET Environment - Damien Watkins 2003

Demonstrates how to create generic frameworks, libraries, classes, and tools that can be used in the .NET

environment and provides instructions on how to select the right language to develop parts of a system and how to integrate them at runtime.

Visual Basic 2005 Recipes - Rakesh Rajan 2007-10-31

This book is an invaluable companion when tackling a wide range of Visual Basic 2005 problems. It meets your need for fast, effective solutions to the difficulties you encounter in your coding projects. The book collates these problems and explains their available solutions. These one-stop solutions have been chosen with professional developers in mind and feature a careful balance of code and text: the code gives you everything you need to solve the problem at hand, while the accompanying text carefully explains how it solves your problem and, more importantly, why it works the way it does.

C# Network Programming - Richard Blum 2006-02-20

On its own, C# simplifies network programming. Combine it with the precise instruction found in C# Network Programming, and you'll find that building network applications is easier and quicker than ever. This book helps newcomers get started with a look at the basics of network programming as they relate to C#, including the language's network classes, the Winsock interface, and DNS resolution. Spend as much time here as you need, then dig into the core topics of the network layer. You'll learn to make sockets connections via TCP and "connectionless" connections via UDP. You'll also discover just how much help C# gives you with some of your toughest chores, such as asynchronous socket programming, multithreading, and multicasting. Network-layer techniques are just a means to an end, of course, and so this book keeps going, providing a series of detailed application-layer programming examples that show you how to work with real protocols and real network environments to build and implement a variety of applications. Use SNMP to manage network devices, SMTP to communicate with remote mail servers, and HTTP to Web-enable your applications. And use classes native to C# to query and modify Active Directory entries. Rounding it all out is plenty of advanced coverage to push your C# network programming skills to the limit. For example, you'll learn two ways to share application methods across the network: using Web services and remoting. You'll also master the security features intrinsic to C# and .NET--features that stand to benefit all of your programming projects.

Foundations of Security - Christoph Kern 2007-05-11

Software developers need to worry about security as never before. They need clear guidance on safe coding practices, and that's exactly what this book delivers. The book does not delve deep into theory, or rant about the politics of security. Instead, it clearly and simply lays out the most common threats that programmers need to defend against. It then shows programmers how to make their defense. The book takes a broad focus, ranging over SQL injection, worms and buffer overflows, password security, and more. It sets programmers on the path towards successfully defending against the entire gamut of security

threats that they might face.

Programming ASP.NET Core, Programming ASP.NET Core - Dino Esposito 2018-05-10

The complete, pragmatic guide to building high-value solutions with ASP.NET Core Programming ASP.NET Core is the definitive guide to practical web-based application development with Microsoft's new ASP.NET Core framework. Microsoft MVP Dino Esposito introduces proven techniques and well-crafted example code for solving real problems with ASP.NET Core. Step by step, he guides you through using all key ASP.NET Core technologies, including MVC for HTML generation, .NET Core, EF Core, ASP.NET Identity, dependency injection, and much more. Esposito thoroughly covers ASP.NET Core's cross-platform capabilities and what's changed from older ASP.NET versions, but he doesn't stop there: he offers a complete learning path for every developer who wants to build production solutions, including mobile-specific solutions. Microsoft MVP Dino Esposito shows how to:

- Create new projects and understand their structure
- Set up and use the familiar MVC application model in ASP.NET Core
- Write controller class code to govern all stages of request processing
- Serve HTML from controllers, or directly via Razor Pages
- Master the Razor language for quickly defining the layout of HTML views
- Manage cross-cutting concerns such as global configuration data, error and exception handling, controller class design, and dependency injection
- Secure applications with user authentication and ASP.NET Core's policy-based user authorization API
- Design for efficient data access, and choose the right option for reading and writing data
- Build ASP.NET Core Web APIs that return JSON, XML, or other data
- Use data binding to programmatically update visual components with fresh information
- Build device-friendly web views for iOS and Android
- Explore the radically new ASP.NET Core runtime environment and Dependency Injection (DI) infrastructure

.NET Development Security Solutions - John Paul Mueller 2006-07-14

The .NET Framework offers new, more effective ways to secure your Web and LAN-based applications. .NET Development Security Solutions uses detailed, code-intensive examples—lots of them—to teach you the right techniques for most scenarios you're likely to encounter. This is not an introduction to security; it's an advanced cookbook that shows experienced programmers how to meet tough security challenges: Recognize and avoid dangerous traps—including holes in .NET Work fluently with both role-based and code access security Maximize the security advantages of policies and code groups Promote security using Active Directory Secure data with .NET cryptographic techniques Meet the toughest LAN security requirements Tackle special security issues associated with Web and wireless applications Implement Win32 API security in managed applications Uniting this instruction is a coherent, cohesive mindset that will help you take the human factor into account at every step. You'll become technically proficient with all the tools at your disposal—and, at the same time, you'll learn to make your solutions more powerful by crafting them in ways that dovetail with users' needs—and foibles—and anticipate cracker exploits.