

# Microsoft Net Developer Quick Reference Guide

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**Mastering Visual Studio .NET** Ian Griffiths 2003 A detailed handbook for experienced developers explains how to get the most out of Microsoft's Visual Studio .NET, offering helpful guidelines on how to use its integrated development environment, start-up templates, and other features and tools to create a variety of applications, including Web services. Original. (Advanced)

**ASP.NET 2.0 All-In-One Desk Reference For Dummies** Doug Lowe 2006-07-28 Eight minibooks cover ASP.NET basics, Web controls, using HTML and ASP, C#, Visual Basic, database programming, using the .NET Framework, and advanced ASP.NET 2 (including themes, custom server controls, and Web parts) The ideal resource for Web programming newcomers as well as the 1.5 million existing ASP developers who want a complete ready-reference that covers the new ASP.NET 2 updates More than double the size of ASP.NET 2 For Dummies (0-7645-7907-X), the latest edition of the bestselling ASP beginner book that boasts combined sales of more than 100,000 copies across all editions Written by veteran Dummies author Doug Lowe, who is renowned for his ability to explain complex topics in plain English

**VB.NET Language Pocket Reference** Steven Roman 2003 Visual Basic .NET is a radically new version of Microsoft Visual Basic, the world's most widely used rapid application development (RAD) package. Whether you are just beginning application development with Visual Basic .NET or are already deep in code, you will appreciate just how easy and valuable the VB.NET Language Pocket Reference is. VB.NET Language Pocket Reference contains a concise description of all language elements by category. These include language elements implemented by the Visual Basic compiler, as well as all procedures and functions implemented in the Microsoft.VisualBasic namespace. Use it anytime you want to look up those pesky details of Visual Basic syntax or usage. With concise detail and no fluff, you'll want to take this book everywhere.

**C#.Net Developer's Guide** Adrian Turtschi 2002-01-12 Microsoft's C# ("C sharp") is a modern, object-oriented programming language built from the ground up to exploit the power of XML-based Web services on Microsoft's new .NET platform. With its Visual C++ development system heritage, C# will enable millions of C and C++ developers to use existing skills to rapidly build sophisticated XML-based .NET applications. Why Will Web Developers Switch to C#? ...Because it's the ideal solution for C and C++ programmers who need to combine rapid development with the power to access all the functionality of the Microsoft.NET platform. They want an environment that is completely in sync with emerging Web standards and one that provides easy integration with existing applications. C#.net Web Developer's Guide will enhance developer productivity and help them eliminate programming errors

that can lead to increased development costs. This book teaches Web developers to quickly and easily build solutions for the Microsoft .NET platform. Web developers will learn to use C# components to build Web services and applications that are available across the Internet, from any application running on any platform. \* Timely coverage of newly released product - programmers and developers are anxious to learn about the new technology \* Comes with Syngress' revolutionary wallet-sized CD containing a printable HTML version of the book and all of the source code examples and demos of popular C# upgrade and programming tools

**Windows PowerShell for .NET Developers** Chendrayan Venkatesan 2015-10-27 Efficiently administer and maintain your development environment with Windows PowerShell About This Book Explore scripting and automation techniques with Windows PowerShell Gain concrete knowledge of Windows PowerShell scripting to perform professional level scripting Discover the benefits of the Configuration Management Platform with this step-by-step guide that includes real-world scripting examples Who This Book Is For If you are an IT professional or developer who has worked on the .Net platform and you want to learn automation using Windows PowerShell, then this book is for you. This self-start guide takes you from the basics and gradually moves to an intermediate level to show you how to perform professional scripting. What You Will Learn Understand the concepts of building PowerShell scripts and the basics of programming Manage the LYNC, Exchange, and SharePoint platforms Create a Pull server using a SMB file share and HTTP and HTTPS Use .NET classes in Windows PowerShell and C# to manage Exchange Online Use PowerShell in C# to manage Exchange Online and work with .NET classes in PowerShell Automate LYNC clients, consuming Client Server Object Models to administrate SharePoint Online In Detail Windows PowerShell 5.0 for .NET Developers is your self-start guide to performing automation using Windows PowerShell. This book will help you to understand the PowerShell syntax and grammar and will also teach you techniques to remove the rough edges of manual deployments. Packed with PowerShell scripts and sample C# codes to automate tasks, it also includes real-world scenarios such as administrating office servers to help you save time and perform deployments swiftly and efficiently. The book begins with the Windows PowerShell basics, explores the significant features of Windows Management Framework 5.0, covers the basic concepts of Desired State Configuration and the importance of idempotent deployments. By the end of the book, you will have a good understanding of Windows PowerShell's features and will be able to automate your tasks and manage configuration effectively. Style and approach This is an easy-to-follow step-by-step guide with text-enabled screenshots. Each topic is explained with codes and examples. It also includes

multiple approaches for a number of tasks to let you choose the best one for you depending on your scenario.

*Exam Ref 70-519 Designing and Developing Web Applications Using Microsoft .NET Framework 4 (MCPD)* Tony Northrup 2011-10-17 Prepare for MCPD Exam 70-519—and help demonstrate your real-world mastery of web application design and development—with this official Microsoft Exam Ref. Written for experienced, MCTS-certified professionals ready to advance their status—this guide focuses on the critical-thinking and decision-making acumen needed for success at the MCPD level. With concise, objective-by-objective reviews, strategic case scenarios, and "Thought Experiments", you get professional-level preparation for the professional-level exam. Optimize your exam-prep by focusing on the expertise needed to: Design the application architecture Choose the right server-side and client-side technologies Design the user experience Design data access and presentation Plan for security Choose a testing methodology Plan for scalability and reliability —making this book an exceptional value and a great career investment.

*A Programmer's Guide to ADO.NET in C#* Mahesh Chand 2002-04-17 A Programmer's Guide to ADO.NET in C# begins by taking readers through a fast-paced overview of C# and then delves into ADO.NET. Why should C# programmers use it instead of the existing technologies? What new functionality does it offer? The chapters that follow go through the details on each of the major Data Providers of the .NET platform (OleDb, SQL Server, and ODBC) that enable you to read and write data to the targeted database. These chapters also serve as a good reference for looking up detailed methods and properties for these data provider classes. Authors Chand and Gold also show C# programmers how to work with XML classes and how to integrate XML into the ADO.NET architecture. The book provides programmers with handy ideas about taking advantage of the VS.NET IDE and how you can tie your data to the myriad of powerful controls including the multi-faceted Data Grid. Finally, it goes through creating a guest book application for the Web so you can see how all the pieces fit together.

*Clean Architecture* Robert C. Martin 2017-09-12 Practical Software Architecture Solutions from the Legendary Robert C. Martin ("Uncle Bob") By applying universal rules of software architecture, you can dramatically improve developer productivity throughout the life of any software system. Now, building upon the success of his best-selling books *Clean Code* and *The Clean Coder*, legendary software craftsman Robert C. Martin ("Uncle Bob") reveals those rules and helps you apply them. Martin's *Clean Architecture* doesn't merely present options. Drawing on over a half-century of experience in software environments of every imaginable type, Martin tells you what choices to make and why they are critical to your success. As you've come to expect from Uncle Bob, this book is packed with direct, no-nonsense solutions for the real challenges you'll face—the ones that will make or break your projects. Learn what software architects need to achieve—and core disciplines and practices for achieving it Master essential software design principles for addressing function, component separation, and data management See how programming paradigms impose discipline by restricting what developers can do Understand what's critically important and what's merely a "detail" Implement optimal, high-level structures for web, database, thick-client, console, and embedded applications Define appropriate boundaries and layers, and organize components and services See why designs and architectures go wrong, and how to prevent (or fix) these failures *Clean Architecture* is essential reading for every current or aspiring software architect, systems analyst, system designer, and software manager—and for every programmer who must execute someone else's

designs. Register your product for convenient access to downloads, updates, and/or corrections as they become available.

**Developer's Guide to Collections in Microsoft .NET** Calvin Janes 2011-09-15 Build the skills to apply Microsoft .NET collections effectively Put .NET collections to work—and manage issues with GUI data binding, threading, data querying, and storage. Led by a data collection expert, you'll gain task-oriented guidance, exercises, and extensive code samples to tackle common problems and improve application performance. This one-stop reference is designed for experienced Microsoft Visual Basic and C# developers—whether you're already using collections or just starting out. Discover how to: Implement arrays, associative arrays, stacks, linked lists, and other collection types Apply built in .NET collection classes by learning their methods and properties Add enumerator, dictionary, and other .NET collection interfaces to your classes Query collections by writing simple to complex Microsoft LINQ statements Synchronize data across threads using built in .NET synchronization classes Enhance your custom collection classes with serialization support Use simple data binding to display collections in Windows Forms, Microsoft Silverlight, and Windows Presentation Foundation

**Microsoft ASP.NET 4 Step by Step** George Shepherd 2010-05-15 Teach yourself the fundamentals of Web development with ASP.NET 4—one step at a time. With STEP BY STEP, you get the guidance and learn-by-doing examples you need to start building Web applications and Web services in the Microsoft Visual Studio(R) 2010 environment. The author—a highly regarded programming expert, writer, and instructor—illuminates ASP.NET features through practical examples that help developers quickly grasp concepts and apply techniques to the real world. The book also includes a companion CD with code samples, data sets, and a fully searchable eBook. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

*ASP.NET 2 For Dummies* Bill Hatfield 2005-12-19 More than one million developers now use ASP.NET, the Microsoft technology for creating dynamic, data-driven Web sites Published day and date with the new Visual Studio 2005 release, this revision of our bestselling book covers new language features as well as the much-anticipated Visual Web Developer tool Requiring no previous Visual Basic or C# experience, the author walks complete beginners through ASP.NET 2 basics, from working with objects, building user interfaces, and killing bugs to accessing databases and handling user input The CD-ROM includes all code and bonus content

**C# Complete** Dave Evans 2003-03-07 C# Complete is a one-of-a-kind book—valuable both for its broad content and its low price. Whether you're brand-new to C# programming, are migrating from Visual Basic or Visual C++ to C#, or have already developed some expertise in C#, you'll get the skills you need to become proficient with Microsoft's powerful new language designed for the .NET platform. Creating complex applications in the .NET Framework is made easier with C#—Microsoft's first true object-oriented programming language. In C# Complete, you'll get a clear picture of everything you need to know for developing applications using C#. You'll begin by learning the essential elements of the language and of Visual Studio .NET, in which you'll develop and run programs in a comprehensive integrated development environment. You'll see how to create functional and exciting user interfaces and desktop applications written with C#, and how to incorporate threads to their best advantage. You'll explore the use of ADO.NET classes in development of C# database applications. Chapters on ASP.NET Web Services will walk you through the building of an XML web services application. You'll also visit some advanced topics, including designing with

security in mind, overcoming the shortcomings of the .NET Framework, and working with the Microsoft Mobile Internet Toolkit. C# Complete introduces you to the work of some of Sybex's finest authors, so you'll know where to go to learn even more about C# and the .NET Framework. Inside: Visual C# .NET Essentials Introduction to Visual C# and the .NET Framework Zen and Now: The C# Language Strings Object Oriented Programming Derived Classes Arrays, Indexers, and Collections Reflecting on Classes C# Application Development Building a Better Windows User Interface Building Desktop Applications Working with Threads Database Development with C# Overview of the ADO.NET Classes ADO.NET Application Development Using DataSet Objects to Store Data Using DataSet Objects to Modify Data ASP.NET and Web Services Introduction to C# Web Applications Using XML in Web Applications Web Services Building Your Own Web Controls Advanced C# Development Overcoming Holes in the .NET Framework Overcoming Security Issues Getting Started with Mobile Internet Toolkit

Building Single Page Applications in .NET Core 3 Michele Aponte 2020-06-05

Attention .NET developers who no longer want to use JavaScript for your front end. Quickly and efficiently learn how to use C# for your single-page application (SPA) thanks to Blazor. Today's reality is that most modern applications are web-based and if you want the same user experience as a desktop application, you need to be able to create a single-page application. While there are multiple frameworks and libraries to choose from (including Angular, React, and VueJS), you still need to know how to code in JavaScript. But now there is another option from Microsoft. Blazor is an open-source framework that enables developers to create web applications using C# and HTML, and everything you need to get started is covered in this guide. You will learn the steps, through build-along coding examples, that will allow you to use the same language for both the front end and the back end of your application. This book is designed to get you comfortable creating a single-page application in the shortest time possible. Get ready to create a complete business application that teaches and reinforces the skills you need in a Blazor production environment. What You Will Learn Develop the front end of an application using C# and .NET Core Use this quick-start for .NET developers who need to improve their application with a single-page front end Take a code-first approach that models an actual business application Gain insights for developing a high-functioning and maintainable application Study guidance on repurposing your .NET skill set Who This Book Is For C# and .NET developers who have some experience in web development

**Professional C# 7 and .NET Core 2.0** Christian Nagel 2018-03-21 The professional's guide to C# 7, with expert guidance on the newest features Professional C# 7 and .NET Core 2.0 provides experienced programmers with the information they need to work effectively with the world's leading programming language. The latest C# update added many new features that help you get more done in less time, and this book is your ideal guide for getting up to speed quickly. C# 7 focuses on data consumption, code simplification, and performance, with new support for local functions, tuple types, record types, pattern matching, non-nullable reference types, immutable types, and better support for variables. Improvements to Visual Studio will bring significant changes to the way C# developers interact with the space, bringing .NET to non-Microsoft platforms and incorporating tools from other platforms like Docker, Gulp, and NPM. Guided by a leading .NET expert and steeped in real-world practicality, this guide is designed to get you up to date and back to work. With Microsoft speeding up its release cadence while offering more significant improvement with each update, it has never been more important to get

a handle on new tools and features quickly. This book is designed to do just that, and more—everything you need to know about C# is right here, in the single-volume resource on every developer's shelf. Tour the many new and enhanced features packed into C# 7 and .NET Core 2.0 Learn how the latest Visual Studio update makes developers' jobs easier Streamline your workflow with a new focus on code simplification and performance enhancement Delve into improvements made for localization, networking, diagnostics, deployments, and more Whether you're entirely new to C# or just transitioning to C# 7, having a solid grasp of the latest features allows you to exploit the language's full functionality to create robust, high-quality apps. Professional C# 7 and .NET Core 2.0 is the one-stop guide to everything you need to know.

**Visual Basic Programmer's Guide to the .NET Framework Class Library** Lars Powers 2002 Visual Basic Programmer's Guide to the .NET Framework Class Library is the definitive guide every Visual Basic .NET developer needs to understand the capabilities of .NET namespaces and increase productivity inside the .NET framework. Lars Powers and Mike Snell have provided a comprehensive book that details the capabilities of the key namespaces, and then explains how to leverage them by extension or reference to create applications ranging from simple to complex. Each chapter provides a brief introduction to the selected technology, followed by detailed suggestions, reference material, and a sample application that illustrates common programming tasks using the classes, interfaces, delegates, and events of a specific .NET namespace. This book answers the primary questions that VB .NET developers will face as they start developing code in the .NET environment, including: What does the .NET class library provide me in terms of re-usable code? Are there .NET structures available that I can use to accomplish a specific task? How do I go about interfacing with the .NET framework through my code? Visual Basic Programmer's Guide to the .NET Framework Class Library is a comprehensive guide as you learn how to use the .NET Framework classes, then it will become a trusted reference as your experience and needs grow in the world of .NET.

**ASP.NET Core: Cloud-ready, Enterprise Web Application Development** Mugilan T. S. Ragupathi 2017-06-09 Create fast, scalable, and high-performance applications with C# and ASP.NET Core About This Book Get first-principle coverage of the latest ASP.NET Core MVC Find out how to bring together the capabilities and features of both Angular 2 and ASP.NET Core Discover common areas you might encounter performance problems with and areas you don't need to worry about Who This Book Is For This book is for developers who want to learn to build web applications using ASP.NET Core, those who want to make a career building web applications using Microsoft technology, and those who are working on other web frameworks and want to learn ASP.NET Core. What You Will Learn Get to know the concepts of ASP.NET MVC Create a Controller with action methods Build a view using several features of the Razor View engine Construct a Model for ASP.NET Core MVC application Find out how the features of ASP.NET Core and Angular 2 perfectly complement each other Handle requests and actions using server-side and client-side Routing Create a Data Model using Entity Framework Core Learn how to use Angular 2 components and master directives Improve performance at the network level and I/O level, and how to optimize the application as a whole Monitor performance as part of Continuous Integration and regression testing In Detail ASP.NET Core is the new, open source, and cross-platform, web-application framework from Microsoft. ASP.NET Core MVC helps you build robust web applications using the Model-View-Controller design. This guide will help you in building applications that can be deployed on non-

Windows platforms such as Linux. Starting with an overview of the MVC pattern, you will quickly dive into the aspects that you need to know to get started with ASP.NET. You will learn about the core architecture of model, view, and control. Integrating your application with Bootstrap, validating user input, interacting with databases, and deploying your application are some of the things that you will learn to execute with this fast-paced guide. You will test your knowledge as you build a fully working sample application using the skills you've learned throughout the book. Moving forward, this guide will teach you to combine the impressive capabilities of ASP.NET Core and Angular 2. Not only will you learn how Angular 2 can complement your .NET skills and toolkit, you'll also learn everything you need to build a complete, dynamic single-page application. Find out how to get your data model in place and manage an API, before styling and designing your frontend for an exceptional user experience. You will find out how to optimize your application for SEO, identify and secure vulnerabilities, and how to successfully deploy and maintain your application. From here, you will delve into the latest frameworks and software design patterns to improve your application performance. The course offers premium, highly practical content on the recently released ASP.NET Core, and includes material from the following Packt books: Learning ASP.NET Core MVC Programming, ASP.NET Core and Angular 2, and ASP.NET Core 1.0 High Performance. Style and approach This learning path takes a first-principles approach to help you understand and implement ASP.NET MVC solutions.

**Microsoft .NET - Architecting Applications for the Enterprise** Dino Esposito 2014-08-28 A software architect's digest of core practices, pragmatically applied Designing effective architecture is your best strategy for managing project complexity—and improving your results. But the principles and practices of software architecting—what the authors call the “science of hard decisions”—have been evolving for cloud, mobile, and other shifts. Now fully revised and updated, this book shares the knowledge and real-world perspectives that enable you to design for success—and deliver more successful solutions. In this fully updated Second Edition, you will: Learn how only a deep understanding of domain can lead to appropriate architecture Examine domain-driven design in both theory and implementation Shift your approach to code first, model later—including multilayer architecture Capture the benefits of prioritizing software maintainability See how readability, testability, and extensibility lead to code quality Take a user experience (UX) first approach, rather than designing for data Review patterns for organizing business logic Use event sourcing and CQRS together to model complex business domains more effectively Delve inside the persistence layer, including patterns and implementation.

**Pro C# 7** Andrew Troelsen 2017-11-21 This essential classic title provides a comprehensive foundation in the C# programming language and the frameworks it lives in. Now in its 8th edition, you'll find all the very latest C# 7.1 and .NET 4.7 features here, along with four brand new chapters on Microsoft's lightweight, cross-platform framework, .NET Core, up to and including .NET Core 2.0. Coverage of ASP.NET Core, Entity Framework (EF) Core, and more, sits alongside the latest updates to .NET, including Windows Presentation Foundation (WPF), Windows Communication Foundation (WCF), and ASP.NET MVC. Dive in and discover why Pro C# has been a favorite of C# developers worldwide for over 15 years. Gain a solid foundation in object-oriented development techniques, attributes and reflection, generics and collections as well as numerous advanced topics not found in other texts (such as CIL opcodes and emitting dynamic assemblies). With the help of this

book you'll have the confidence to put C# into practice and explore the .NET universe on your own terms. What You Will Learn Discover the latest C# 7.1 features, from tuples to pattern matching Hit the ground running with Microsoft's lightweight, open source .NET Core platform, including ASP.NET Core MVC, ASP.NET Core web services, and Entity Framework Core Find complete coverage of XAML, .NET 4.7, and Visual Studio 2017 Understand the philosophy behind .NET and the new, cross-platform alternative, .NET Core

**Exam Ref 70-518 Designing and Developing Windows Applications Using Microsoft .NET Framework 4 (MCPD)** Matthew Stoecker 2011-12-17 Professional-level prep for the professional-level exam. Prepare for MCPD Exam 70-518—and help demonstrate your real-world mastery of Windows application design and development with .NET Framework 4. Designed for experienced, MCTS-certified professionals ready to advance their status—Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the MCPD level. Focus on the expertise measured by these objectives: Designing the Layers of a Solution Designing the Presentation Layer Designing the Data Access Layer Planning a Solution Deployment Designing for Stability and Maintenance

**Murach's ASP.NET Core MVC** Joel Murach 2020-01-07 If you know the basics of C# and HTML/CSS, you're ready to learn how to build ASP.NET Core MVC web apps the way the professionals do. This book covers all the essentials: the MVC pattern, Bootstrap for responsive design, routing, Razor views, model binding, data validation, EF (Entity Framework) Core for database handling, dependency injection, xUnit and Moq for unit testing, Identity for authentication, and more. It gets you going right away with a subset of basic skills, then builds on those skills so you'll soon be developing real-world web apps. Along the way, you get dozens of practical coding examples that help you apply what you've just learned and show how all the parts work together. And when you're done, this book does double duty as the best on-the-job reference that money can buy.

**Learn C# Programming** Marius Bancila 2020-04-30 Get started with C# and strengthen your knowledge of core programming concepts such as procedural, object-oriented, generic, functional, and asynchronous programming along with the latest features of C# 8 Key Features Learn the fundamentals of C# with the help of easy-to-follow examples and explanations Leverage the latest features of C# 8, including nullable reference types, pattern matching enhancements, and asynchronous streams Explore object-oriented programming, functional programming, and multithreading concepts Book Description The C# programming language is often developers' primary choice for creating a wide range of applications for desktop, cloud, and mobile. In nearly two decades of its existence, C# has evolved from a general-purpose, object-oriented language to a multi-paradigm language with impressive features. This book will take you through C# from the ground up in a step-by-step manner. You'll start with the building blocks of C#, which include basic data types, variables, strings, arrays, operators, control statements, and loops. Once comfortable with the basics, you'll then progress to learning object-oriented programming concepts such as classes and structures, objects, interfaces, and abstraction. Generics, functional programming, dynamic, and asynchronous programming are covered in detail. This book also takes you through regular expressions, reflection, memory management, pattern matching, exceptions, and many other advanced topics. As you advance, you'll explore the .NET Core 3 framework and learn how to use the dotnet command-line interface (CLI), consume NuGet packages, develop for Linux, and migrate apps built with .NET Framework. Finally, you'll understand how to run unit tests with the Microsoft unit testing frameworks

available in Visual Studio. By the end of this book, you'll be well-versed with the essentials of the C# language and be ready to start creating apps with it. What you will learnGet to grips with all the new features of C# 8Discover how to use attributes and reflection to build extendable applicationsUtilize LINQ to uniformly query various sources of dataUse files and streams and serialize data to JSON and XMLWrite asynchronous code with the async-await patternEmploy .NET Core tools to create, compile, and publish your applicationsCreate unit tests with Visual Studio and the Microsoft unit testing frameworksWho this book is for If you have little experience in coding or C# and want to learn the essentials of C# programming to develop powerful programming techniques, this book is for you. It will also help aspiring programmers to write scripts or programs to accomplish specific tasks.

**.NET Framework Standard Library Annotated Reference** Brad Abrams 2004 Edited by a Lead Program Manager on Microsoft's .NET Framework team, .NET Framework Standard Library Annotated Reference, Volume 1, is the definitive reference for the .NET Framework base class library. This book utilizes extensive annotations and code samples from the creators of the technology to move beyond the online documentation and provide .NET developers with a dictionary-style reference to the most-used parts of the Framework. This volume covers a subset of the ISO CLI Standards, including the Base Class Library and the Extended Numerics Library. In the printed book you will find informative overviews of each namespace covered and an easy-to-follow alphabetic reference of types in the standard, including type-level descriptions, sample code with output, and annotations from the design team and standardization committee. With the ECMA and ISO standards as its core, this book includes: Annotations from key members of the Microsoft design team and the Standardization committee. Comments cover everything from design rationale and history to common problems and shortcomings. An overview of each namespace, describing its functionality and the inheritance hierarchy of types it defines. Type descriptions. Each type is covered in its own chapter, with a detailed description of how the type is to be used and a quick reference of the C# declaration syntax for all members defined on the type. Also noted: which members are only available in the Microsoft implementation of the .NET Framework, which are not available in the .NET Compact Framework, and which are only available in V1.1 of the .NET Framework. Code samples. Types are illustrated by fully compilable code samples with output included. Reference tabs and an exhaustive index, which allow readers to quickly and easily navigate the text. Reusable source code for more than one thousand samples. All code has been tested with versions 1.0, 1.1, and the 2.0 technical preview of the .NET Framework, and, where appropriate, with the .NET Compact Framework.

**Visual Studio .NET All-in-One Desk Reference For Dummies** Nitin Pandey 2002-04-15 Visual Studio .NET All-in-One Desk Reference For Dummies is a value-packed, easy-to-use reference that provides broad coverage of Visual Studio .NET tools, languages, and environment for experienced Visual Studio programmers and developers who want to get up to speed rapidly on this missioncritical Microsoft initiative.

**ASP.Net Web Developer's Guide** Syngress 2002-01-02 ASP.Net Web Developer's Guide provides information to make use of Microsoft's newest Web development platform. ASP.NET is a revolutionary programming framework that enables the rapid development of powerful web applications and services. Part of the emerging Microsoft .NET Platform, it provides the easiest and most scalable way to build, deploy and run distributed web applications that can target any browser or device.

ASP.NET (formerly referred to as ASP+) is more than the next version of Active Server Pages (ASP); it is a unified Web development platform that provides the services necessary for developers to build enterprise-class Web applications. ASP .net Web Developer's Guide assists Web developers to quickly and easily build solutions for the Microsoft .NET platform. Programmers who are expert in asp and other languages will find this book invaluable. This book will appeal to all web developers - regardless of what language they are using or what platform they will be using. Comprehensive Coverage of the Entire .net Framework for B2B commerce. **Creating Mobile Apps with Xamarin.Forms Preview Edition 2** Charles Petzold 2015-04-11 This second Preview Edition ebook, now with 16 chapters, is about writing applications for Xamarin.Forms, the new mobile development platform for iOS, Android, and Windows phones unveiled by Xamarin in May 2014. Xamarin.Forms lets you write shared user-interface code in C# and XAML that maps to native controls on these three platforms.

**Professional C# 6 and .NET Core 1.0** Christian Nagel 2016-04-01 A true professional's guide to C# 6 Professional C# 6 and .NET Core 1.0 provides complete coverage of the latest updates, features, and capabilities, giving you everything you need for C#. Get expert instruction on the latest changes to Visual Studio 2015, Windows Runtime, ADO.NET, ASP.NET, Windows Store Apps, Windows Workflow Foundation, and more, with clear explanations, no-nonsense pacing, and valuable expert insight. This incredibly useful guide serves as both tutorial and desk reference, providing a professional-level review of C# architecture and its application in a number of areas. You'll gain a solid background in managed code and .NET constructs within the context of the 2015 release, so you can get acclimated quickly and get back to work. The new updates can actively streamline your workflow, with major changes including reimagined C# refactoring support, a new .NET Web app stack, and the .NET compiler platform that makes C# and Visual Basic compilers available as APIs. This book walks you through the changes with a comprehensive C# review. Explore the new Visual Studio templates for ASP.NET Core 1.0, Web Forms, and MVC Learn about the networking switch to HttpClient and ASP.NET Web API's replacement of WCF Data Services Work with the latest updates to the event log, Windows Runtime 2.0, and Windows 8.1 deployment and localization Dig deep into the new .NET 5.0 GC behaviors and the Migrations addition to ADO.NET Microsoft has stepped up both the cadence and magnitude of their software releases. Professional C# 6 and .NET Core 1.0 shows you everything you need to know about working with C# in a real-world context.

**C# 2008 Programmer's Reference** Wei-Meng Lee 2009-04-03 Have access to all aspects of the C# programming language at hand with the C# 2008 Programmer's Reference, the only comprehensive reference guide for C# programmers. Regardless of your experience with C#, you will appreciate the detailed code samples, which offer a quick and easy way to help you refresh your understanding of important concepts. In this ideal C# resource, you will find an introduction to the .NET Framework, a guide to using Visual Studio 2008, and explanations of classes, objects, types, delegates and events, strings and regular expressions, and threading.

**C# & the .Net Framework** Chandan Sinha 2015-07-30 C# & the .Net Framework - Quick Reference Guide is a very useful resource for developers and serves well as a quick reference guide. This E-Book prepares you for technical interviews in Microsoft .Net Framework and the C# language. It includes lots of important topics covering major portion of .Net, C# and OOPS. It also includes an introduction to Design Patterns. The book contains all the major topics to strengthen your base and enhance your knowledge. It also contains in depth explanation of complicated

topics and includes coding samples wherever applicable. C# & the .Net Framework - Quick Reference Guide has all the ingredients to serve as your best companion during interviews and later during professional development using .Net.

**Beginning ASP.NET 3.5** Imar Spaanjaars 2009-02-10 This book is for anyone who wants to learn how to build rich and interactive Microsoft ASP.NET web sites. With the knowledge you gain from this book, you create a great foundation to build any type of web site, ranging from simple hobby-related web sites to sites you may be creating for commercial purposes. Using this book's step-by-step format you'll learn to: Obtain, install, and customize Visual Web Developer (VWD) 2008 create a new web site and how to add new pages to it. use the numerous tools in VWD to create HTML and ASP.NET pages use the VWD tools and CSS, the language that is used to format web pages What ASP.NET server controls are, what they are used for, and how to use them program web pages Visual Basic or C# create consistent-looking pages through the use of master pages, skins, and themes build the navigation structure of your site create and use User Controls and enhance them to repeat content like menus and banners accept, validate, and process user input and send e-mail from your ASP.NET web application create good looking, flicker free web page interaction with ASP.NET Ajax the basics of SQL, the language used access and alter data in a database use the database tools found in Visual Web Developer use the ASP.NET data controls to create an interface for your users to interact with your application's data use LINQ to SQL to access SQL Server databases without writing a lot of manual code change the visual appearance of your data through the use of control styles interact with the data-bound controls and speed up your application use the security ASP.NET features to create user accounts, distinguish between anonymous and logged on users, and manage the users in your system create personalized web pages with content targeted at individual users find and fix problems with VWD debugging tools deploy and run your final web site

*Microsoft Visual C# Step by Step* John Sharp 2015-10-28 Your hands-on guide to Microsoft Visual C# fundamentals with Visual Studio 2015 Expand your expertise-- and teach yourself the fundamentals of programming with the latest version of Visual C# with Visual Studio 2015. If you are an experienced software developer, you'll get all the guidance, exercises, and code you need to start building responsive, scalable Windows 10 and Universal Windows Platform applications with Visual C#. Discover how to: Quickly start creating Visual C# code and projects with Visual Studio 2015 Work with variables, operators, expressions, and methods Control program flow with decision and iteration statements Build more robust apps with error, exception, and resource management Master the essentials of Visual C# object-oriented programming Use enumerations, structures, generics, collections, indexers, and other advanced features Create in-memory data queries with LINQ query expressions Improve application throughput and response time with asynchronous methods Decouple application logic and event handling Streamline development with new app templates Implement the Model-View-ViewModel (MVVM) pattern Build Universal Windows Platform apps that smoothly adapt to PCs, tablets, and Windows phones Integrate Microsoft Azure cloud databases and RESTful web services About You For software developers who are new to Visual C# or who are upgrading from older versions Readers should have experience with at least one programming language No prior Microsoft .NET or Visual Studio development experience required

ASP.NET 2.0 Illustrated Alex Homer 2006-06-06 "This book is a phenomenal start for someone new to ASP.NET, as well as a complete guide to the new features of version 2.0 for programmers familiar with an earlier version. The beginning chapters

detail concepts using a hypothetical company, examining the myriad sorts of requests and situations often requested by clients. The authors deal with these in an eloquent, realistic manner. They have clearly worked in the industry and have faced real-world challenges that programmers encounter daily. The content covers everything from the most basic tasks to the most complex, and is a comprehensive collection of information on ASP.NET 2.0. Every topic is well-referenced for additional information, but contains clear examples that work. The content is technical but the clear writing makes it easy to understand. Difficult concepts are explained in such a way that this book will quickly become your favorite reference for ASP.NET!" –Ronda Pederson, consultant, Microsoft MVP Visual Developer, ASP/ASP.NET "As to be expected from two of today's leading technical authors, this book is a cracking guide to getting the most from the ASP 2.0 Framework. Detailed chapters, concise yet practical examples, and clear explanation provide the grounding and support necessary to leverage the new features that ASP 2.0 brings to the table—all explained with a logical, no-nonsense approach. This book will be borrowed by every developer you work with, so guard it wisely!" –John Timney, Microsoft MVP, senior Web services consultant, British Telecom "This book will absolutely change the way you view ASP.NET technology. Read it and your existing Web sites will suddenly appear to be underperforming." –Chris Carpenter, senior software engineer, L3 Communications, Inc. "The authors have worked closely with the ASP.NET team at Microsoft to make sure that this book is authoritative, accurate, and informative. Anyone using ASP.NET will find a wealth of useful information on ASP.NET 2.0." –Scott Guthrie, general manager, .NET Developer Platform, Microsoft Corporation Developers moving to ASP.NET 2.0, the breakthrough Web development environment from Microsoft, will want to learn how to take full advantage of the new features that make this the most productive and powerful Web development environment ever. ASP.NET 2.0 Illustrated teaches developers exactly what they need to know to create exciting Web sites and applications quickly and easily using ASP.NET 2.0. Renowned authors, developers, and conference speakers Alex Homer and Dave Sussman have written a concise, detailed exploration of the "must learn" features of ASP.NET 2.0. The book's many original examples, fully updated for the release version of ASP.NET 2.0, are all downloadable from the authors' Web site, and many can be run live online. The authors provide detailed coverage of Connecting to databases, using data source and data display controls with SQL statements and stored procedures; creating business layers and data layers with custom classes and Typed DataSets; and providing declarative access to business and data layers Techniques for improving the scalability and responsiveness of data-driven sites, including caching techniques for data and ASP.NET pages Binding to XML, transforming XML, updating XML data, and managing XML data stored in SQL Server 2005 Building interactive Web forms with a wide variety of ASP.NET controls Understanding and using the core functionality of the Page class and key .NET Framework classes Providing a consistent sitewide look and feel using Master Pages Six ways to provide site navigation, including the new navigation controls Securing sites and implementing membership and roles Using profiles, personalization, and themes in your applications Building user-customizable Web portals with Web Parts Supporting multiple browsers, disabled users, mobile devices, and international users Creating and consuming Web services Developers will come away from this book knowing exactly how to build secure, efficient, visually consistent, easy-to-navigate, data-driven Web sites with ASP.NET 2.0. The .NET Developer's Guide to Directory Services Programming Joe Kaplan 2006-05-08

"If you have any interest in writing .NET programs using Active Directory or ADAM, this is the book you want to read." –Joe Richards, Microsoft MVP, directory services Identity and Access Management are rapidly gaining importance as key areas of practice in the IT industry, and directory services provide the fundamental building blocks that enable them. For enterprise developers struggling to build directory-enabled .NET applications, The .NET Developer's Guide to Directory Services Programming will come as a welcome aid. Microsoft MVPs Joe Kaplan and Ryan Dunn have written a practical introduction to programming directory services, using both versions 1.1 and 2.0 of the .NET Framework. The extensive examples in the book are in C#; a companion Web site includes both C# and Visual Basic source code and examples. Readers will Learn to create, rename, update, and delete objects in Active Directory and ADAM Learn to bind to and search directories effectively and efficiently Learn to read and write attributes of all types in the directory Learn to use directory services within ASP.NET applications Get concrete examples of common programming tasks such as managing Active Directory and ADAM users and groups, and performing authentication Experienced .NET developers—those building enterprise applications or simply interested in learning about directory services—will find that The .NET Developer's Guide to Directory Services Programming unravels the complexities and helps them to avoid the common pitfalls that developers face.

**The ActionScript 3.0 Quick Reference Guide: For Developers and Designers Using Flash** David Stiller 2008-10-17 "No matter what your background, the pages that follow will provide you with some excellent knowledge, insight, and even a little bit of wisdom in the realm of Flash and ActionScript. Happy learning!"-- Branden Hall, from the Foreword Written by Flash insiders with extensive knowledge of the technology, this guide is designed specifically to help Flash designers and developers make the leap from ActionScript 2.0 to the new object-oriented ActionScript 3.0 quickly and painlessly. Formatted so you can find any topic easily, ActionScript 3.0 Quick Reference Guide explains: Object-oriented programming (OOP) concepts, such as packages and classes ActionScript 3.0 features and player enhancements that improve performance Workflow differences between ActionScript 2.0 and ActionScript 3.0 including tools, code editing, component sets, and image and font rendering Where did it go? A guide to help you find familiar features in ActionScript 3.0, such as global functions, operators, properties, and statements How do I? Step-by-step solutions for performing tasks with ActionScript 3.0, including input, sound, video, display, events, text, and more Also included are overviews of Flash and ActionScript features and workflows. ActionScript 3.0 is a huge upgrade to Flash's programming language -- and this guide helps you upgrade your skills to match it.

**XML Net Developers Guide** Syngress 2002-04-22 Compete with the big players in today's E-commerce marketplace Electronic Data Interchange (EDI) has long been the standard for large business enterprises to communicate in the B2B marketplace. However, EDI is a difficult technology - the cost and support of EDI standards is often too much for a small or medium business enterprise to bear. To compete in the current E-commerce marketplace, many organizations are beginning to take an interest in the interoperability that exists between XML (Extensible Markup Language) and EDI. XML .NET Developers Guide is written for information technology professionals responsible for supporting data management in both small and large organizations. This book appeals to both individuals working with an existing EDI environment, and small to medium businesses looking to increase their market presence by competing with current EDI players using XML/EDI. XML/EDI is quickly

becoming an industry standard, however there is a noticeable lack of quality reference material for programmers looking to adopt these standards. You can take it with you. The book comes with Syngress' revolutionary Wallet CD containing a printable HTML version of the book, all of the source code, and demo versions of popular XML/EDI translation tools Up to the minute web-based support with solutions@syngress.com

**Web Development with Blazor** Jimmy Engström 2021-06-18 Develop modern web UIs quickly with server-side Blazor and Blazor WebAssembly Key Features Create and deploy a production-ready Blazor application from start to finish Learn Blazor fundamentals, gain actionable insights, and discover best practices Find out how, when, and why to use server-side Blazor and Blazor WebAssembly Book Description Blazor is an essential tool if you want to build interactive web apps without JS, but it comes with its own learning curve. Web Development with Blazor will help you overcome most common challenges developers face when getting started with Blazor and teach you the best coding practices. You'll start by learning how to leverage the power of Blazor and explore the full capabilities of both Blazor Server and Blazor WebAssembly. Then you'll move on to the practical part, which is centred around a sample project – a blog engine. This is where you'll apply all your newfound knowledge about creating Blazor Server and Blazor WebAssembly projects, the inner working of Razor syntax, and validating forms, as well as creating your own components. You'll learn all the key concepts involved in web development with Blazor, which you'll also be able to put into practice straight away. By showing you how all the components work together practically, this book will help you avoid some of the common roadblocks that novice Blazor developers face and inspire you to start experimenting with Blazor on your other projects. When you reach the end of this Blazor book, you'll have gained the confidence you need to create and deploy production-ready Blazor applications. What you will learn Understand the different technologies that can be used with Blazor, such as Blazor Server and Blazor WebAssembly Find out how to build simple and advanced Blazor components Explore the differences between Blazor Server and Blazor WebAssembly projects Discover how Entity Framework works and build a simple API Get up to speed with components and find out how to create basic and advanced components Explore existing JavaScript libraries in Blazor Use techniques to debug your Blazor Server and Blazor WebAssembly applications Test Blazor components using bUnit Who this book is for If you're a .NET web or software developer who wants to build web UIs using C#, then this book is for you. You'll need intermediate-level web-development skills and basic knowledge of C# before you get started; the book will guide you through the rest.

**Microsoft Application Architecture Guide** Microsoft Patterns & Practices Team 2009 Get the definitive guide on designing applications on the Microsoft application platform—straight from the Microsoft patterns & practices team. Learn how to choose the most appropriate architecture and the best implementation technologies that the Microsoft application platform offers applications developers. Get critical design recommendations and guidelines organized by application type—from Web, mobile, and rich Internet applications to Office Business Applications. You'll also get links to additional technical resources that can help with your application development.

**C# 4.0 in a Nutshell** Joseph Albahari 2010-01-20 What people are saying about C# 4.0 in a Nutshell "C# 4.0 in a Nutshell is one of the few books I keep on my desk as a quick reference. It is a book I recommend."--Scott Guthrie, Corporate Vice President, .NET Developer Platform, Microsoft Corporation "A must-read for a

concise but thorough examination of the parallel programming features in the .NET Framework 4."--Stephen Toub, Parallel Computing Platform Program Manager, Microsoft "This wonderful book is a great reference for developers of all levels."-- Chris Burrows, C# Compiler Team, Microsoft When you have questions about how to use C# 4.0 or the .NET CLR, this highly acclaimed bestseller has precisely the answers you need. Uniquely organized around concepts and use cases, this fourth edition includes in-depth coverage of new C# topics such as parallel programming, code contracts, dynamic programming, security, and COM interoperability. You'll also find updated information on LINQ, including examples that work with both LINQ to SQL and Entity Framework. This book has all the essential details to keep you on track with C# 4.0. Get up to speed on C# language basics, including syntax, types, and variables Explore advanced topics such as unsafe code and preprocessor directives Learn C# 4.0 features such as dynamic binding, type parameter variance, and optional and named parameters Work with .NET 4's rich set of features for parallel programming, code contracts, and the code security model Learn .NET topics, including XML, collections, I/O and networking, memory management, reflection, attributes, security, and native interoperability

**A Programmer's Guide to C# 5.0** Eric Gunnerson 2012-12-22 A Programmer's Guide to C# 5.0 is a book for software developers who want to truly understand C#. Whether you've worked with C# before or with another general-purpose programming language, each fast-paced, focused chapter will take you straight to the heart of a feature of C# and show you why it works the way it does. Written by one-time C# Test Lead, Program Manager, and member of the original C# language design team, this book is an ideal companion to the C# Language Specification, and works both as a tutorial and as a reference guide. Now in its fourth edition, you will find up-to-date coverage of all the latest C# features, including Linq, covariance and contravariance, and async support. You'll learn how to: Use C# features effectively, in the way they were intended Apply the newest C# features to your coding problems Streamline your database code using LINQ Use async support and the task parallel library to improve performance. Program more efficiently, effectively, and with real insight into this mature and exciting language, with A Programmer's Guide to C# 5.0.

**NET Windows Forms in a Nutshell** Ian Griffiths 2003 In this all inclusive guide for experienced programmers, the authors show howto develop stand-alone Windows applications.

*Developing Cloud Native Applications in Azure using .NET Core* Rekha Kodali 2020-02-01 Guide to designing and developing cloud native applications in Azure

**DESCRIPTION** The mainstreaming of Cloud Native Architecture as an enterprise discipline is well underway. According to the Forbes report in January 2018, 83% of the enterprise workloads will be in the cloud by 2020 and 41% of the enterprise workloads will run on public cloud platforms, while another 22% will be running on hybrid cloud platforms. Customers are embarking on the enterprise digital transformation journeys. Adopting cloud and cloud native architectures and microservices is an important aspect of the journey. This book starts with a brief introduction on the basics of cloud native applications, cloud native application patterns. Then it covers the cloud native options available in Azure. The objective of the book is to provide practical guidelines to an architect/designer/consultant/developer, who is a part of the Cloud application definition Team. The book articulates a methodology that the implementation team needs to follow in a step-by-step manner and adopt them to fulfil the requirements for enablement of the Cloud Native application. It emphasizes on the interpersonal

skills and techniques for organizing and directing the Cloud Native definition, leadership buy-in, leading the transition from planning to implementation. It also highlights the steps to be followed for performing the cloud native applications, cloud native patterns in the development of Cloud native applications, Cloud native options available in Azure, Developing BOT, Microservices based on Azure. It also covers how to develop simple IoT applications, Machine learning based applications, server less architecture, using Azure with a practical and pragmatic approach. This book embraces a structured approach organized around the following key themes, which represent the typical phases that an enterprise traverses during its Cloud Native application journey:

- Basics of Cloud Native Applications: It covers basics of cloud native applications using .NET core.
- Cloud Native Application Patterns: The reader will understand the patterns for developing Cloud Native Applications.
- Cloud Native Options available in Azure: The reader will understand the different options available in Azure.
- Developing a Simple BOT using .NET Core: The reader will understand the Azure BOT framework basics and will learn how to develop a simple BOT.
- Developing cloud native applications leveraging Microservices: The reader will understand the concepts of developing micro services using the Azure API Gateway Manager.
- Developing Integration capabilities using serverless architecture: The reader will understand the integration capabilities and various options available in Azure
- Developing a simple IoT application: The reader will understand the basics of developing IoT applications.
- Developing a simple ML based application: The reader will understand Machine Learning basics and how to develop a simple ML application

● Different enterprise use cases, which enable digital transformation using the Cloud Native Applications: The reader will learn about different use cases that can be built using cloud native applications

**KEY FEATURES** (Add 5-7 key features only)

- Basics of Cloud Native Applications
- Designing Microservices
- Different cloud native options for developing Cloud Native Applications in Azure
- BOTs, Web Apps, Mobile Apps, Logic Apps, Service Bus, Azure Functions
- Azure IOT Applications
- Azure Machine Learning Basics
- Enterprise Digital Journeys

**WHAT WILL YOU LEARN** This book aims to:

- Demonstrate the importance of a Cloud Native application in elevating the effectiveness of organizational transformation programs and digital enterprise journeys, using MS Azure
- Disseminate current advancements and thought leadership in the area of Cloud Native architecture, in the context of digital enterprises
- Provide initiatives with evidence-based, credible, field tested and practical guidance in crafting their respective architectures; and
- Showcase examples and experiences of the innovative use of Cloud Native Applications in enhancing transformation initiatives.

**WHO THIS BOOK IS FOR** The book is intended for anyone looking for a career in Cloud technology, all aspiring Cloud Architects who want to learn Cloud Native Architectures, Microservices, IoT, BoT and Microsoft Azure platform and working professionals who want to switch their career in Cloud Technology. While no prior knowledge of Azure or related technologies is assumed, it will be helpful to have some .Net programming experience. In addition, the target audience of this book are,

- Business Leaders, Chief Architects, Analysts and Designers seeking better, quicker and easier approaches to respond to needs of their internal and external customers;
- CIOs/CTOs of business software companies interested in incorporating Cloud Native architecture to differentiate their products and services offerings and increasing the value proposition to their customers;
- Consultants and practitioners desirous of new solutions and technologies to improve productivity of their clients;
- Academic and consulting researchers looking to uncover and



characterize new research problems and programmes ● Practitioners and professionals involved with organizational technology strategic planning, technology procurement, management of technology projects, consulting and advising on technology issues and management of total cost of ownership. Table of Contents  
1. Basics of Cloud Native Applications 2. Cloud Native Application Patterns 3. Cloud Native Options available in Azure – B0Ts, Logic Apps, Service Bus, Azure

Microservices, ML services 4. Developing a Simple B0T using .NET Core 5. Developing Cloud Native applications leveraging Microservices and Azure API Gateway 6. Developing Integration capabilities using serverless architecture 7. Developing a simple IoT application 8. Developing a simple ML based application 9. Different enterprise use cases which enable digital transformation using Cloud Native Applications