

## Advanced Debugging Microsoft

Discusses the diverse features and functions of the Component Object Model (COM) and how to utilize the COM+ capabilities of Visual Basic 6.0 to develop various applications, and explains how to incorporate diverse COM+ services, such as transaction support, security, and asynchronous operations into those applications. Original. (Intermeditate/Advanced)

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)

Debugging by Thinking: A Multi-Disciplinary Approach is the first book to apply the wisdom of six disciplines-logic, mathematics, psychology, safety analysis, computer science, and engineering-to the problem of debugging. It uses the methods of literary detectives such as Sherlock Holmes, the techniques of mathematical problem solving, the results of research into the cognitive psychology of human error, the root cause analyses of safety experts, the compiler analyses of computer science, and the processes of modern engineering to define a systematic approach to identifying and correcting software errors. \* Language Independent Methods: Examples are given in Java and C++ \* Complete source code shows actual bugs, rather than contrived examples \* Examples are accessible with no more knowledge than a course in Data Structures and Algorithms requires \* A "thought process diary" shows how the author actually resolved the problems as they occurred

Comprehensive guides to the latest Beowulf tools and methodologies. Beowulf clusters, which exploit mass-market PC hardware and software in conjunction with cost-effective commercial network technology, are becoming the platform for many scientific, engineering, and commercial applications. With growing popularity has come growing complexity. Addressing that complexity, Beowulf Cluster Computing with Linux and Beowulf Cluster Computing with Windows provide system users and administrators with the tools they need to run the most advanced Beowulf clusters. The book is appearing in both Linux and Windows versions in order to reach the entire PC cluster community, which is divided into two distinct camps according to the node operating system. Each book consists of three stand-alone parts. The first provides an introduction to the underlying hardware technology, assembly, and configuration. The second part offers a detailed presentation of the major parallel programming libraries. The third, and largest, part describes software infrastructures and tools for managing cluster resources. This includes some of the most popular of the software packages available for distributed task scheduling, as well as tools for monitoring and administering system resources and user accounts. Approximately 75% of the material in the two books is shared, with the other 25% pertaining to the specific operating system. Most of the chapters include text specific to the operating system. The Linux volume includes a discussion of parallel file systems.

Now 100% updated to reflect Microsoft's latest platform advances, .NET Internals and Advanced Debugging Techniques, Second Edition offers focused, pragmatic guidance for tracking down today's most complex and challenging application bugs. Authored by Mario Hewardt, one of Microsoft's most respected developers, this is a "deep dive" into the most sophisticated debugging techniques for .NET 4/4.5+, Windows 8/8.1/RT, and the newest versions of Visual Studio. Hewardt helps you take full advantage of powerful debugging tools such as DebugDiag and PSSCOR; and illuminates crucial CLR concepts and behaviors every advanced Windows developer should understand. Step by step, he walks through a wide range of debugging tasks; addressing the assembly loader, managed heap, garbage collection, synchronization, interoperability, postmortem debugging, and the unique issues associated with debugging modern Windows 8 apps. This edition's extensive revisions range

from the latest CLR constructs and debugging commands to major changes associated with memory, and new issues associated with WinRT process management. Reflecting his immense experience with Windows internals, Hewardt reveals how to quickly identify the real root causes of problems - so you can fix them far more rapidly and effectively.

Debugging is one of the most vexing, yet most important, tasks facing any developer, including programmers working in Windows. Yet information about how to debug is difficult to come by, scattered among many different areas online.

The start-to-finish tutorial and reference for Windows 2000 kernel debugging! The expert guide to Windows 2000 kernel debugging and crash dump analysis Interpreting Windows 2000 stop screens--in depth! Making the most of WinDbg and KD Debugging hardware: ports, BIOS, PCI and SCSI buses, and chipsets Advanced coverage: remote debugging, Debugging Extensions, Driver Verifier, and more Step-by-step crash dump analysis and kernel debugging How to interpret every element of a Windows 2000 stop screen Using WinDbg: configuring options, symbol paths, DLLs, and more Debugging hardware: ports, BIOS, PCI and SCSI buses, chipsets, and more Configuring local and remote kernel debugging environments Includes extensive code samples This comprehensive guide to Windows 2000 kernel debugging will be invaluable to anyone who must analyze and prevent Windows 2000 system crashes--especially device driver authors and debuggers. Renowned kernel debugging expert Steven McDowell covers every aspect of kernel debugging and crash dump analysis--including advanced hardware debugging and other techniques barely addressed in Microsoft's documentation. Discover what Microsoft's WinDbg debugger can (and can't) do for you, and how to configure both local and remote kernel debugging environments. Learn to use Windows 2000's crash dump feature, step by step. Learn how to start and stop errant drivers, pause target systems, retrieve system and driver state, and step through source code using breakpoints and source-level debugging. McDowell demonstrates techniques for taking control of target systems, including finding "lost" memory blocks, setting process and thread contexts, and reviewing I/O system error logs. You'll learn how to use Microsoft's powerful Debugger Extensions to run virtually any command you choose, and master the new Driver Verifier, which can detect common mistakes in driver code with unprecedented speed and accuracy. "John Robbins has done for Windows debugging what Charles Petzold did for Windows programming." -Jeffrey Richter, author, Programming Applications for Microsoft Windows How can you prevent bugs from creeping into your programs--even before you begin writing code? What practices separate the debugging gods from the mere mortals? DEBUGGING APPLICATIONS describes a powerful, Windows-focused methodology for debugging on the offensive--starting at the requirements phase--so you catch and fix bugs at the source, before customers ever see your software. Expert buglayer John Robbins reveals lethally effective real-world techniques for resolving just a bout any debugging problem--from memory bugs and disappearing threads to the hairiest multithreaded deadlock. \* Learn the coding techniques that help you introduce fewer errors into your program and spend less time debugging \* Use version control systems, bug tracking software, and other infrastructure tools to maximize product quality \* Exploit the advanced debugging capabilities in the Microsoft Visual C++ and Visual Basic development systems so you debug faster and more effectively \* Cushion crashes with structured exception handling and C++ exception handling \* Decipher the x86 assembly language you see in the Disassembly window \* Master the tools and tactics for debugging multithreaded

deadlocks, cross-machine processes, multilanguage problems, Windows 2000 services and dynamic-link libraries (DLLs) that load into services, and other challenging situations. Along with John's expert guidance, you also get eight of his battle-tested, professional-level utilities for solving many of the nastiest bugs you'll encounter. In all, the CD-ROM packs over 2.5 megabytes of source code to study and reuse. With **DEBUGGING APPLICATIONS**, you'll learn the proven practices the industry's best developers use to eradicate bugs at the source-and deliver better software faster!

Microsoft Excel 2019 Programming by Example with VBA, XML, and ASP is a practical, how-to book on Excel programming, suitable for readers already familiar with the Excel user interface. The book introduces programming concepts via numerous multi-step, illustrated, hands-on exercises. More advanced topics are introduced via custom projects. From recording and editing a macro and writing VBA code to working with XML documents and using classic ASP to access and display data on the Web, this book takes you on a programming journey that will change the way you work with Excel. Completely updated for Excel 2019, this book provides information on performing automatic operations on files, folders, and other Microsoft Office and Web applications. It also covers proper use of event procedures, testing and debugging, and programming advanced Excel features such as PivotTables, PivotCharts, and HTML programming. Thirty chapters loaded with illustrated, hands-on projects and exercises that tell you exactly where to enter code, how to debug it, and then run it. Each exercise/project step is clearly explained as it is performed. Features:

- Updated for MS Excel 2019 and previous versions
- Includes 30 chapters and more than 275 applied examples and 10 projects
- Covers HTML and Office Web Apps
- CD with color screen captures, source code, and supplemental files for projects in the text.

eBook Customers: Companion files are available for downloading with order number/proof of purchase by writing to the publisher at [info@merclearning.com](mailto:info@merclearning.com).

Visual Studio 2013 is one of the most sophisticated integrated development environments in the world today. With hundreds of features and several different editions available, it can be hard to learn your way around, and hard to know whether you're using it to its full potential. Visual Studio Condensed gives you a quick and systematic guide to the features that matter most, tagged clearly according to their availability. The book starts by familiarizing you with the main features of Visual Studio and how to configure the user interface depending on your needs. You'll then dive into each key developer tool in turn, starting with the editor window and going through the navigation pane, documentation, and the NuGet package manager. Debugging is a difficult skill to master with a range of approaches and tools at your disposal, so you'll see how to make best use of breakpoints, the debugging windows, tracing and managed memory analysis, as well as tips and tricks on advanced debugging techniques that can make a real difference to your productivity. Visual Studio 2013 comes with sophisticated code

improvement tools. You can visualize relationships in your code with the Code Map feature, find duplicated code to maximize your code reuse, and use Visual Studio's inbuilt list of metrics to figure out just how healthy your code is and how difficult or easy it will be to maintain. Testing is also made easy with unit testing and web performance tests as well as a Test Manager to organize your tests into test plans and suites. The final chapters of the book cover team work with Team Foundation Server, framework-specific features, and how to build your own Visual Studio extensions. Visual Studio Condensed is the ideal manual for busy developers who just want to get on with what matters: writing code. Whether you're new to Visual Studio or brushing up on the latest features, this book will get you up to speed in no time.

By the bestselling Visual Basic author and former "PC Magazine" editor Steven Holzner, this certification book cover every VB6 exam objective--in the most depth of any VB6 MCSD exam guide. Along with extensive coverage of intermediate-to-advanced level material and detailed lists of exam resources, the guide has hundreds of working code samples and nearly 350 sample exam Q&As.

Debugging has undergone a sea change in recent years. Increasing processing power has allowed for the creation of much more sophisticated software tools for the analysis and debugging of programs. This in turn has allowed debugging to graduate from a black art to a systematic discipline. The time is right to summarize this new advanced approach to debugging. Why Programs Fail is about bugs in computer programs, how to reproduce them, how to find them, and how to fix them in such a way that they do not occur anymore. This is the first comprehensive book on systematic debugging and covers a wide range of tools and techniques ranging from hands-on observation to fully automated diagnoses, and includes instructions for building automated debuggers. This discussion is built upon a solid theory of how failures occur, rather than relying on seat-of-the-pants techniques, which are of little help with large software systems or to those learning to program. Andreas Zeller is well known in the programming community for developing the GNU Data Display Debugger (DDD), a tool that visualizes the data structures of a program while it is running. Over 250,000 users as well as all major software companies use DDD for software development. Zeller is also the creator of the popular "Ask Igor" website that will automatically debug programs over the web, and he regularly speaks and consults in the USA.

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Use Visual Studio Code to write and debug code quickly and efficiently on any platform, for any device, using any programming language, and on the operating system of your choice. Visual Studio Code is an open source and cross-platform development tool that focuses on code editing across a variety of development scenarios, including web, mobile, and cloud development. Visual Studio Code Distilled teaches you how to be immediately productive with Visual Studio Code,

from the basics to some of the more complex topics. You will learn how to work on individual code files, complete projects, and come away with an understanding of advanced code-editing features that will help you focus on productivity, and source code collaboration with Git. What You'll Learn

- Comprehend Visual Studio Code in a way that is not just theory or a list of features, but an approach driven by developer tasks and needs
- Understand integrated support for team collaboration with Git for executing and debugging code, and the many ways you can extend and customize VS Code
- Debug code on multiple platforms though real-world guidance, such as working under corporate networks
- Expand your coding intelligence from web to mobile to the cloud, and even artificial intelligence
- Acquire valuable tips, tricks, and suggestions from hard-earned, real-world experience to be more productive

Who This Book Is For All developers (including JavaScript, Java, NodeJS), not just those with a Microsoft background, who will benefit from learning and using VS code as a cross-platform and cross-language tool.

PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

Comprehensive guide to Visual Studio 2013 Visual Studio is your essential tool for Windows programming. Visual Studio 2013 features important updates to the user interface and to productivity. In Professional Visual Studio 2013, author, Microsoft Certified Trainer, and Microsoft Visual C# MVP Bruce Johnson brings three decades of industry experience to guide you through the update, and he doesn't just gloss over the basics. With his unique IDE-centric approach, he steers into the nooks and crannies to help you use Visual Studio 2013 to its maximum potential. Choose from more theme options, check out the new icons, and make your settings portable Step up your workflow with hover colors, auto brace completion, peek, and CodeLens Code ASP.NET faster than ever with new shortcuts Get acquainted with the new SharePoint 2013 environment Find your way around the new XAML editor for Windows Store apps Visual Studio 2013 includes better support for advanced debugging techniques, vast improvements to the visual database tools, and new support for UI testing for Windows Store apps. This update is the key to smoother, quicker programming, and Professional Visual Studio 2013 is your map to everything inside.

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. Detailed instruction on using the specialized software-development tools necessary for Windows application development. Included is information on using the C Compiler, the Linker, and the Resource Compiler.

Thor's Microsoft® Security Bible provides a "one-stop-shop" for Microsoft-related security techniques and procedures as applied to the typical deployment of a Microsoft-based infrastructure. The book contains detailed security concepts and methodologies described at every level: Server, Client, Organizational Structure, Platform-specific security options, application specific security (IIS, SQL, Active Directory, etc.) and also

includes new, never-before-published security tools complete with source code. Named the 2011 Best Systems Administration Book by InfoSec Reviews Detailed technical information on security processes for all major Microsoft applications Unique project-based "storytelling" delivery, combining multiple security techniques and methods together for real-world solutions to security challenges in actual business use cases Reference-style content for access to specific application security techniques and methods Actual author opinion and guidance as not only HOW to go about security particular applications, but WHY to do so

What you need to know to engineer the global service economy. As customers and service providers create new value through globally interconnected service enterprises, service engineers are finding new opportunities to innovate, design, and manage the service operations and processes of the new service-based economy. Introduction to Service Engineering provides the tools and information a service engineer needs to fulfill this critical new role. The book introduces engineers as well as students to the fundamentals of the theory and practice of service engineering, covering the characteristics of service enterprises, service design and operations, customer service and service quality, web-based services, and innovations in service systems. Readers explore such key aspects of service engineering as: The role of service science in developing a smarter planet Service enterprises, including: enterprise value creation, architecture of service organizations, service enterprise modeling, and the application of methods of systems engineering to services Service design, including collaborative e-service systems and the new service development process Service operations and management, including service call centers Service quality, from design operations to customer relations Web-based services and technology in the global e-organization Innovation in service systems from service engineering to integrative solutions, service-oriented architecture solutions, and technology transfer streams With chapters written by fifty-seven specialists and edited by bestselling authors Gavriel Salvendy and Waldemar Karwowski, Introduction to Service Engineering uses numerous examples, problems, and real-world case studies to help readers master the knowledge and the skills required to succeed in service engineering.

Heterogeneous Computing with OpenCL, Second Edition teaches OpenCL and parallel programming for complex systems that may include a variety of device architectures: multi-core CPUs, GPUs, and fully-integrated Accelerated Processing Units (APUs) such as AMD Fusion technology. It is the first textbook that presents OpenCL programming appropriate for the classroom and is intended to support a parallel programming course. Students will come away from this text with hands-on experience and significant knowledge of the syntax and use of OpenCL to address a range of fundamental parallel algorithms. Designed to work on multiple platforms and with wide industry support, OpenCL will help you more effectively program for a heterogeneous future. Written by leaders in the parallel computing and OpenCL communities, Heterogeneous Computing with OpenCL explores memory spaces, optimization techniques, graphics interoperability, extensions, and debugging and profiling. It includes detailed examples throughout, plus additional online exercises and other supporting materials that can be downloaded at [http://www.heterogeneouscompute.org/?page\\_id=7](http://www.heterogeneouscompute.org/?page_id=7) This book will appeal to software engineers, programmers, hardware engineers, and students/advanced students.

Explains principles and strategies to learn parallel programming with OpenCL, from understanding the four abstraction models to thoroughly testing and debugging complete applications. Covers image processing, web plugins, particle simulations, video editing, performance optimization, and more. Shows how OpenCL maps to an example target architecture and explains some of the tradeoffs associated with mapping to various architectures Addresses a range of fundamental programming techniques, with multiple examples and case studies that demonstrate OpenCL extensions for a variety of hardware platforms

Expert guidance on using Visual Studio Code for editing and debugging your web development projects Visual Studio Code, a free, open source, cross-compatible source code editor, is one of the most popular choices for web developers. It is fast, lightweight, customizable, and contains built-in support for JavaScript, Typescript, and Node.js extensions for other languages, including C++, Python, and PHP. Features such as debugging capability, embedded Git control, syntax highlighting, code snippets, and IntelliSense intelligent code completion support—several of which set it apart from the competition—help make Visual Studio Code an impressive, out-of-the-box solution. Visual Studio Code: End-to-End Editing and Debugging Tools for Web Developers helps readers to become familiar with and productive in Visual Studio Code. This up-to-date guide covers all of the essential components of the software, including the editing features of the workspace, advanced functionality such as code refactoring and key binding, and integration with Grunt, Gulp, NPM, and other external tools. New users, experienced developers, and those considering moving from another developer tool will benefit from this book's detailed, yet easy-to-follow information on Visual Studio Code. This book: Teaches readers how to use Visual Studio Code to do full-stack development Explains the steps to install Visual Studio Code on Windows, Mac and Linux platforms Provides a foundation for non-users considering moving to Visual Studio Code Helps current users expand their knowledge of the tool and its available extensions Describes how to open a .NET Core project and get end-to-end execution and debugging functionality Visual Studio Code: End-to-End Editing and Debugging Tools for Web Developers is an invaluable guide for both professional and hobbyist web developers seeking immediately-useful information on Visual Studio Code.

Build Highly Usable, High-Performance Business Applications with Silverlight 5 Microsoft Silverlight MVP and Wintellect Consultant Jeremy Likness gives you all the hands-on guidance and proven patterns and practices you need to build scalable, maintainable, and highly professional applications for multiple platforms and browsers. In this first complete guide to designing Silverlight applications for commercial use, Likness focuses on the advanced Silverlight features most directly related to solving real-world business problems and demonstrates how these features fit together in production-quality applications. Written from the ground up, this book covers every key area of enterprise Silverlight development. For each, Likness introduces the opportunities and capabilities Silverlight provides, offers relevant case studies from actual projects, presents complete C# code samples, and explains them in detail. Every chapter concludes with a summary highlighting the specific information and techniques most important for developers to consider. Coverage includes • Discovering why Silverlight is superior to HTML5/JavaScript for most line-of-business applications • Leveraging Silverlight 5's powerful enhancements to performance, text, printing, usability, security, and programmability • Effectively applying Silverlight's application cycle in enterprise applications • Using XAML to drive Silverlight's visual interface • Quickly transforming raw data into visually appealing information • Using Silverlight's innovative Visual State Manager and data binding to separate design, UI/UX experience, and business logic • Simplifying development with the MVVM pattern • Using MEF to integrate modular code into highly extensible,

maintainable, and testable Silverlight applications • Improving and automating testing with Silverlight Unit Testing Framework and third-party add-ons • Mastering each leading approach to navigation and implementing the best one for your application • Implementing the service layer, persistence, and state management • Building advanced “out-of-browser” applications • Integrating sophisticated line-of-business features into your solutions • Optimizing the performance of your Silverlight applications This book will be invaluable for all experienced client developers who use Microsoft’s technology stack and want to leverage Silverlight’s immense power; and for every Silverlight developer seeking to improve existing line-of-business applications with the new Silverlight 5.

Appropriate as a supplementary text for any course teaching C++ programming or using C++ as a programming language in departments of Computer Science, Engineering, CIS, MIS, IT, and Continuing Education. Practical Debugging in C++ is the first debugging text written expressly for the beginning to intermediate level programmer. For the beginning programmer, it is a short, clear debugging guide that serves as a valuable companion to their introductory programming text when writing C++ programs. For the more advanced programmer, the guide provides a quick primer in C++ debugging with a series of examples of common syntax and semantic errors and how they can be detected and corrected. The authors cover both tracing and interactive debugger techniques.

Microsoft® Visual Studio® LightSwitch® Unleashed Alessandro Del Sole Microsoft Visual Studio LightSwitch represents a breakthrough in business application development for Windows clients, the Web, and the cloud. Using this new tool, you can build powerful data-centric applications with far less code than ever before. Microsoft Visual Studio LightSwitch Unleashed is the first comprehensive, start-to-finish guide to this powerful new tool. Written by longtime Visual Basic expert and Microsoft MVP Alessandro Del Sole, this book covers everything Microsoft developers need to know to make the most of LightSwitch—from the absolute basics to the most advanced enterprise techniques. You learn how to use LightSwitch to build modern, scalable, customized line-of-business applications that automatically leverage technologies such as Silverlight, WCF, and SQL Server Express with no effort or expertise on your part. Through hands-on examples, Del Sole guides you through building solutions that can integrate and analyze business information from virtually any source, crafting custom logic that solves your company’s unique problems, and delivering state-of-the-art usability through professional-quality user interfaces. Implement features such as screen navigation, data interaction, paging, and Excel export, with absolutely no coding Build simple data-centric applications and add power to them with relationships and details Rapidly create customized queries, filters, sorts, and reports Aggregate data from many locations, including SharePoint, SQL Server, and the cloud Simplify the implementation of application-level data validation Protect your applications with authentication and authorization Fine tune your code for scalability and performance Streamline deployment to local computers, web servers, and the Windows Azure cloud Use .NET code to define custom behaviors related to data and the user interface Understand how LightSwitch applications are architected and how they are handled by Visual Studio Use LightSwitch with other Visual Studio tools to manage the entire application life cycle Efficiently debug LightSwitch code—and create code that’s easier to debug Category: Microsoft Programming Covers: LightSwitch User Level:

Intermediate—Advanced ON THE WEB: Download all examples and source code presented in this book as they are available from [informit.com/title/9780672335532](http://informit.com/title/9780672335532)

The only complete, pragmatic guide to the advanced CLR debugging techniques developers need to find and fix the toughest .NET software bugs. • •By Mario Hewardt, co-author of the best-selling, widely-praised Advanced Windows Debugging.. •Shows how to use .NET's powerful native CLR debugging tools to track down challenging bugs far more quickly. •Includes the best coverage of .NET memory debugging available anywhere. •Illuminates the

debugging implications of the latest .NET 4.0 runtime changes. Advanced .NET Debugging is the definitive guide to tracking down the most complex and challenging bugs in today's .NET application code. Authored by Mario Hewardt, co-author of the widely-praised Advanced Windows Debugging this is the only book to focus entirely on .NET's immensely powerful native debuggers: the Debugging Tools for Windows, including WinDBG and SoS. Using this book, experienced .NET programmers will be able to analyze problematic code and identify the root causes of problems far more quickly than they ever could with visual tools. Hewardt begins by introducing the essential concepts developers must master in order to debug code with the native debuggers, including the tools available, the core fundamentals of the .NET CLR runtime, and essential debugging tasks. Next, he turns to sophisticated debugging techniques, teaching through real-world examples that demonstrate a broad spectrum of common C# programming errors. Hewardt thoroughly covers postmortem debugging without access to the physical machine; PowerDBG and other .NET debugging 'power tools'; and, finally, the debugging implications of the brandnew .NET CLR 4.0.

Tips for the practical use of debuggers, such as NuMega SoftIce, Microsoft Visual Studio Debugger, and Microsoft Kernel Debugger, with minimum binding to a specific environment are disclosed in this debugger guide. How debuggers operate and how to overcome obstacles and repair debuggers is demonstrated. Programmers will learn how to look at what is inside a computer system, how to reconstruct the operating algorithm of a program distributed without source code, how to modify the program, and how to debug drivers. The use of debugging applications and drivers in Windows and Unix operating systems on Intel Pentium/DEC Alpha-based processors is also detailed.

Completely updated for Windows Vista and Windows Server 2003 R2, this book is packed with practical examples for today's programmer, Web developer, or system administrator. Combines a comprehensive overview of the VBScript technology and associated technologies with sample code at every stage from beginner to advanced user. Discusses the general syntax, functions, keywords, style, error handling, and similar language-specific topics and then moves into an expanded reference section covering the object models in detail. Presents advanced coverage on Active Directory Service Interfaces (ADSI), PowerShell, security scripting, remote scripting, database scripting, and more.

This is the definitive JavaScript tutorial for the serious nonprogrammer who is interested in mastering the full power of the language. Includes hundreds of example JavaScript programs that demonstrate both the fun and practical aspects.

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Normal 0 false false false MicrosoftInternetExplorer4 Microsoft Visual Studio 2012 significantly improves developer productivity across virtually all application lifecycle management tasks, while providing first-class support for Windows 8, Windows Phone, WindowsRT, and Windows Azure cloud development. This end-to-end deep dive will help working developers squeeze maximum productivity out of Microsoft's powerful new toolbox. The authors combine authoritative and detailed information about Microsoft's latest IDE, with extensive insights and best practices drawn from decades of development experience. Developers will quickly get comfortable with Visual Studio 2012's revamped interface and discover multiple opportunities to leverage the updated .NET 4.5 platform it

supports. By focusing entirely on Visual Studio 2012 Professional, the authors have gone deeper into Microsoft's core product than ever before. You'll find expert coverage of everything from debugging through refactoring, automation through enterprise-class development. Throughout, this book's focus is relentlessly practical: how to apply Microsoft's tools to build better software, faster. Detailed information on how to...

- Use Visual Studio 2012's new interface to significantly improve your productivity
- Make the most of VS 2012's new WPF-based code editor
- Work with solutions, projects, browsers, explorers, and designers
- Create modern "Windows Store" applications for Windows 8 and Windows RT apps with VS 2012 and Windows Runtime Library
- Develop websites with ASP.NET, ASP.NET MVC, and the Razor View Engine
- Create richer, smarter user interfaces for software of all types
- Build robust service oriented architecture (SOA)-based systems
- Construct data-centric applications with LINQ and Entity Framework
- Develop SharePoint and other Microsoft Office business applications
- Write Windows Azure applications that live in the cloud
- Instrument, analyze, and test your software
- Refactor code for greater robustness, maintainability, and performance
- Leverage brand-new improvements to Windows Workflow and Windows Communication Foundation
- Use VS 2012's one-click web deployment capabilities
- Extend VS 2012 with Managed Extensibility Framework (MEF) and Automation Object Model

The ultimate developers' guide to Visual Studio 2012 This expert Wrox guide is what you need to get up and running quickly on Visual Studio 2012. Written by a Microsoft Visual C# MVP, it guides you through the integrated development environment (IDE), showing you how to maximize all new tools and improvements. Offers programmers a fast way to IDE-centric programming success Demonstrates new IDE features, including the new Metro style app project templates and Windows 8 app store features Explains each feature, then illustrates the context in which it will help you solve problems Covers timely and essential topics related to rich client app development, web applications, application services, file configuration, debugging and testing, and more Helps advanced users customize and extend Visual Studio through the Automation Model, writing macros, working with the Managed Extensibility Framework (MEF), and more Provides ample detail for programmers who are new to Visual Studio 2012, as well as for experienced programmers exploring the advanced capabilities of the IDE Professional Visual Studio 2012 uses a unique, IDE-centric approach to help you get up and running quickly on this exciting new release.

Advanced Windows Debugging Addison-Wesley Microsoft Techn  
Debugging Strategies for .NET Developers teaches developers how to think about debugging in Microsoft .NET rather than with the specific tools. Author Darin Dillon describes debugging concepts, such as assertions and logging, and immediately follows each discussion with an example from his experiences of when that technique was used to solve a real-world bug. While other debugging

books focus on obscure techniques for advanced users, this book is a highly readable exploration that conveys the basic thought process of debugging, as well as the specific techniques and when to apply those techniques.

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