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# Advanced Net Debugging Addison Wesley Microsoft Technology

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The Design and Implementation of the FreeBSD Operating System

Advanced Multimedia and Ubiquitous Engineering

A Programmer's Reference to BIOS, DOS, and Third-party Calls

Advanced Programming Language Design

Computer Networking: A Top-Down Approach Featuring the Internet, 3/e

Оптимизация приложений на платформе .NET с использованием языка C#

Высокопроизводительный код на платформе .NET. 2-е издание

The Mythical Man-month

Practical Mod\_perl

Architecture, Design, and Process

Practical Enterprise Software Development Techniques

Pro .NET Performance

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C# .NET

Practical Software Development Techniques

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The orderly Sweet-Williams are dismayed at their son's fondness for the messy pastime of gardening.

**The Design and Implementation of the FreeBSD Operating System** Addison-Wesley Professional

A text focusing on the methods and alternatives for designed TCP/IP-based client/server systems and advanced techniques for specialized applications with Perl. A guide examining a collection of the best third party modules in the Comprehensive Perl Archive Network. Topics covered: Perl function libraries and techniques that allow programs to interact with resources over a network. IO: Socket library ; Net: FTP library -- Telnet library -- SMTP library ; Chat problems ; Internet Message Access Protocol (IMAP) issues ; Markup-language parsing ; Internet Protocol (IP) broadcasting and multicasting.

Advanced Multimedia and Ubiquitous Engineering Pearson Education India

Here is the CORBA book that every C++ software engineer has been waiting for. Advanced CORBA® Programming with C++ provides designers and developers with the tools required to understand CORBA technology at the architectural, design, and source code levels. This book offers hands-on explanations for building efficient applications, as well as lucid examples that provide practical advice on avoiding costly mistakes. With this book as a guide, programmers will find the support they need to successfully undertake industrial-strength CORBA development projects. The content is systematically arranged and presented so the book may be used as both a tutorial and a reference. The rich example programs in this definitive text show CORBA developers how to write clearer code that is more maintainable, portable, and efficient. The authors' detailed coverage of the IDL-to-C++ mapping moves beyond the mechanics of the APIs to discuss topics such as potential pitfalls and efficiency. An in-depth presentation of the new Portable Object Adapter (POA) explains how to take advantage of its numerous features to create scalable and high-performance servers. In addition, detailed discussion of advanced topics, such as garbage collection and multithreading, provides developers with the knowledge they need to write commercial applications. Other highlights In-depth coverage of IDL, including common idioms and design trade-offs Complete and detailed explanations of the Life Cycle, Naming, Trading, and Event Services Discussion of IIOP and implementation repositories Insight into the dynamic aspects of CORBA, such as dynamic typing and the new DynAny interfaces Advice on selecting appropriate application architectures and designs Detailed, portable, and vendor-independent source code

*A Programmer's Reference to BIOS, DOS, and Third-party Calls* Apress

What others in the trenches say about The Pragmatic Programmer... "The cool thing about this book is that it's great for keeping the programming process fresh. The book helps you to continue to grow and clearly comes from people who have been there." —Kent Beck, author of Extreme Programming Explained: Embrace Change "I found this book to be a great mix of solid advice and wonderful

analogies!" —Martin Fowler, author of Refactoring and UML Distilled "I would buy a copy, read it twice, then tell all my colleagues to run out and grab a copy. This is a book I would never loan because I would worry about it being lost." —Kevin Ruland, Management Science, MSG-Logistics "The wisdom and practical experience of the authors is obvious. The topics presented are relevant and useful.... By far its greatest strength for me has been the outstanding analogies—tracer bullets, broken windows, and the fabulous helicopter-based explanation of the need for orthogonality, especially in a crisis situation. I have little doubt that this book will eventually become an excellent source of useful information for journeymen programmers and expert mentors alike." —John Lakos, author of Large-Scale C++ Software Design "This is the sort of book I will buy a dozen copies of when it comes out so I can give it to my clients." —Eric Vought, Software Engineer "Most modern books on software development fail to cover the basics of what makes a great software developer, instead spending their time on syntax or technology where in reality the greatest leverage possible for any software team is in having talented developers who really know their craft well. An excellent book." —Pete McBreen, Independent Consultant "Since reading this book, I have implemented many of the practical suggestions and tips it contains. Across the board, they have saved my company time and money while helping me get my job done quicker! This should be a desktop reference for everyone who works with code for a living." —Jared Richardson, Senior Software Developer, iRenaissance, Inc. "I would like to see this issued to every new employee at my company...." —Chris Cleeland, Senior Software Engineer, Object Computing, Inc. "If I'm putting together a project, it's the authors of this book that I want. . . . And failing that I'd settle for people who've read their book." —Ward Cunningham Straight from the programming trenches, The Pragmatic Programmer cuts through the increasing specialization and technicalities of modern software development to examine the core process—taking a requirement and producing working, maintainable code that delights its users. It covers topics ranging from personal responsibility and career development to architectural techniques for keeping your code flexible and easy to adapt and reuse. Read this book, and you'll learn how to Fight software rot; Avoid the trap of duplicating knowledge; Write flexible, dynamic, and adaptable code; Avoid programming by coincidence; Bullet-proof your code with contracts, assertions, and exceptions; Capture real requirements; Test ruthlessly and effectively; Delight your users; Build teams of pragmatic programmers; and Make your developments more precise with automation. Written as a series of self-contained sections and filled with entertaining anecdotes, thoughtful examples, and interesting analogies, The Pragmatic Programmer illustrates the best practices and major pitfalls of many different aspects of software development. Whether you're a new coder, an experienced programmer, or a manager responsible for software projects, use these lessons daily, and you'll quickly see improvements in personal productivity, accuracy, and job satisfaction. You'll learn skills and develop habits and attitudes that form the foundation for long-term success in your career. You'll become a Pragmatic Programmer.

**Advanced Programming Language Design** Addison-Wesley Professional  
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*Computer Networking: A Top-Down Approach Featuring the Internet, 3/e* Addison-Wesley Professional

Tim Ewald, COM columnist for DOC Magazine, explains how COM+ works, and then sets out specific

rules intended as concrete guidelines to help developers build COM+ systems.

*Оптимизация приложений на платформе .NET с использованием языка C#* Reading, Mass. ; Don Mills, Ont. : Addison-Wesley Publishing Company

Zita is determined to find her way home to Earth, but her exploits have made her an intergalactic megastar, and as her true self is eclipsed by her public persona, she faces a robot doppelganger, unsure of who she can trust.

*Высокопроизводительный код на платформе .NET. 2-е издание* Benjamin-Cummings Publishing Company

This book contains comprehensive, up-to-date, and authoritative technical information on the internal structure of the FreeBSD open-source operating system. Coverage includes the capabilities of the system; how to effectively and efficiently interface to the system; how to maintain, tune, and configure the operating system; and how to extend and enhance the system. The authors provide a concise overview of FreeBSD's design and implementation. Then, while explaining key design decisions, they detail the concepts, data structures, and algorithms used in implementing the systems facilities. As a result, this book can be used as an operating systems textbook, a practical reference, or an in-depth study of a contemporary, portable, open-source operating system. --

Provided by publisher.

*The Mythical Man-month* Addison-Wesley Professional

Maximizing the performance of your algorithms and applications is extremely important and can give you a competitive advantage, a lower cost of ownership, and happier users. Pro .NET Performance explains the internals of Windows, the CLR, and the physical hardware that affect the performance of your applications, and gives you the knowledge and tools to measure how your code performs in isolation from external factors. The book is full of C# code samples and tips to help you squeeze every bit of juice from your application—lower memory utilization, consistent CPU usage, and fewer I/O operations across the network and disk. Pro .NET Performance will change the way you think about .NET application development. Guides you through performance measurement with a variety of profilers and other tools Explains how OS and CLR internals affect your application's performance in unexpected ways Provides you with tips and real-life case studies for improving application performance

**Practical Mod\_perl** Addison-Wesley Professional

The authors provide clear examples and thorough explanations of every feature in the C language. They teach C vis-a-vis the UNIX operating system. A reference and tutorial to the C programming language. Annotation copyrighted by Book News, Inc., Portland, OR

**Architecture, Design, and Process** Springer Science & Business Media

bull; Demystifies aspects of Visual Basic .NET that are difficult to master, such as remoting, multithreading, reflection, security, and COM interoperability. bull; Contains in-depth coverage of topics barely touched upon in other books. bull; Author is a well-known and respected guru in the Microsoft programming community.

*Practical Enterprise Software Development Techniques* Morgan Kaufmann

Understand .NET memory management internal workings, pitfalls, and techniques in order to effectively avoid a wide range of performance and scalability problems in your software. Despite

automatic memory management in .NET, there are many advantages to be found in understanding how .NET memory works and how you can best write software that interacts with it efficiently and effectively. Pro .NET Memory Management is your comprehensive guide to writing better software by understanding and working with memory management in .NET. Thoroughly vetted by the .NET Team at Microsoft, this book contains 25 valuable troubleshooting scenarios designed to help diagnose challenging memory problems. Readers will also benefit from a multitude of .NET memory management "rules" to live by that introduce methods for writing memory-aware code and the means for avoiding common, destructive pitfalls. What You'll Learn Understand the theoretical underpinnings of automatic memory management Take a deep dive into every aspect of .NET memory management, including detailed coverage of garbage collection (GC) implementation, that would otherwise take years of experience to acquire Get practical advice on how this knowledge can be applied in real-world software development Use practical knowledge of tools related to .NET memory management to diagnose various memory-related issues Explore various aspects of advanced memory management, including use of Span and Memory types Who This Book Is For .NET developers, solution architects, and performance engineers

**Pro .NET Performance** □□□

Don't miss this guide to building networked and distributed applications for UNIX® System V. Using many helpful examples, the author provides a solid introduction to networking and UNIX programming, plus information on the programming interfaces most important to building communication software in System V, such as STREAMS, the Transport Layer Interface library, Sockets, and Remote Procedure Calls. The book also explains how to write kernel-level communication software, including STREAMS drivers, modules, and multiplexors. A final chapter on SLIP is essential reading.

*Advanced Windows Debugging* Apress

Advanced .NET Debugging Addison-Wesley Professional

**C#□□□□□□□□.NET□□□□□□□□□□** Ben Watson

The revision of the definitive guide to Unix system programming is now available in a more portable format.

**Practical Software Development Techniques** Springer

This book provides an overview of tools and techniques used in enterprise software development, many of which are not taught in academic programs or learned on the job. This is an ideal resource containing lots of practical information and code examples that you need to master as a member of an enterprise development team. This book aggregates many of these "on the job" tools and techniques into a concise format and presents them as both discussion topics and with code examples. The reader will not only get an overview of these tools and techniques, but also several discussions concerning operational aspects of enterprise software development and how it differs from smaller development efforts. For example, in the chapter on Design Patterns and Architecture, the author describes the basics of design patterns but only highlights those that are more important in enterprise applications due to separation of duties, enterprise security, etc. The architecture discussion revolves has a similar emphasis - different teams may manage different aspects of the application's components with little or no access to the developer. This aspect of restricted access is

also mentioned in the section on logging. Theory of logging and discussions of what to log are briefly mentioned, the configuration of the logging tools is demonstrated along with a discussion of why it's very important in an enterprise environment.

#### PC Interrupts Apress

Хотите выжать из вашего кода на .NET максимум производительности? Эта книга развеивает мифы о CLR, рассказывает, как писать код, который будет просто летать. Воспользуйтесь ценнейшим опытом специалиста, участвовавшего в разработке одной из крупнейших .NET-систем в мире. В этом издании перечислены все достижения и улучшения, внесенные в .NET за последние несколько лет, в нем также значительно расширен охват инструментов, содержатся дополнительные темы и руководства. Вот лишь некоторые из тем, рассматриваемых в книге:

- Различные способы анализа куч и выявления проблем, связанных с памятью.
- Профессиональное использование Visual Studio и других инструментов.
- Дополнительные сведения об эталонном тестировании.
- Новые варианты настройки сборки мусора.
- Приемы предварительной подготовки кода.
- Более подробный анализ LINQ.
- Советы, касающиеся функциональных областей высокого уровня, таких как ASP.NET, ADO.NET и WPF.
- Новый функционал платформы .NET, включая возвращение по ссылке, структурные кортежи и SIMD.
- Профилирование с использованием нескольких инструментов.
- Эффективное использование библиотеки Task Parallel.
- Рекомендуемые и не рекомендуемые к использованию API.
- Счетчики производительности и инструментарий ETW-событий.
- Формирование команды, нацеленной на достижение высокой производительности.

#### Embedded Software Verification and Debugging Addison Wesley

##### **Take performance to the next level!**

This book does not just teach you how the CLR works---it teaches you exactly what you need to do now to obtain the best performance today. It will expertly guide you through the nuts and bolts of extreme performance optimization in .NET, complete with in-depth examinations of CLR functionality, free tool recommendations and tutorials, useful anecdotes, and step-by-step guides to measure and improve performance.

This second edition incorporates the advances and improvements in .NET over the last few years, as well as greatly expanded coverage of tools, more topics, more tutorials, more tips, and improvements throughout the entire book.

##### **New in the 2nd Edition:**

- 50% increase in content!
- New examples, code samples, and diagrams throughout entire book
- More ways to analyze the heap and find memory problems
- More tool coverage, including expanded usage of Visual Studio
- More benchmarking
- New GC configuration options
- Code warmup techniques
- New .NET features such as ref-returns, value tuples, SIMD, and more
- More detailed analysis of LINQ

- Tips for high-level feature areas such as ASP.NET, ADO.NET, and WPF

Also find expanded coverage and discover new tips and tricks for:

- Profiling with multiple tools to quickly find problem areas
- Detailed description of the garbage collector, how to optimize your code for it, and how to diagnose difficult memory-related issues
- How to analyze JIT and diagnose warmup problems
- Effective use of the Task Parallel Library to maximize throughput
- Which .NET features and APIs to use and which to avoid
- Instrument your program with performance counters and ETW events
- Use the latest and greatest .NET features
- Build a performance-minded team
- ...and so much more

#### A Book on C Litres

This fully updated second edition includes 100+ pages of new material, including new chapters on Verifying Code, Predicting Errors, and Preventing Errors. Cutting-edge tools such as FindBUGS and AGITAR are explained, techniques from integrated environments like Jazz.net are highlighted, and all-new demos with ESC/Java and Spec#, Eclipse and Mozilla are included. This complete and pragmatic overview of debugging is authored by Andreas Zeller, the talented researcher who developed the GNU Data Display Debugger(DDD), a tool that over 250,000 professionals use to visualize the data structures of programs while they are running. Unlike other books on debugging, Zeller's text is product agnostic, appropriate for all programming languages and skill levels. Why Programs Fail explains best practices ranging from systematically tracking error reports, to observing symptoms, reproducing errors, and correcting defects. It covers a wide range of tools and techniques from hands-on observation to fully automated diagnoses, and also explores the author's innovative techniques for isolating minimal input to reproduce an error and for tracking cause and effect through a program. It even includes instructions on how to create automated debugging tools. The new edition of this award-winning productivity-booster is for any developer who has ever been frustrated by elusive bugs. Brand new chapters demonstrate cutting-edge debugging techniques and tools, enabling readers to put the latest time-saving developments to work for them. Learn by doing. New exercises and detailed examples focus on emerging tools, languages and environments, including AGITAR, FindBUGS, Python and Eclipse. The text includes exercises and extensive references for further study, and a companion website with source code for all examples and additional debugging resources.

#### Tools and Techniques for Large Scale Solutions Apress

Understanding Java provides a thorough introduction to the Java programming language and also imparts an understanding of the way things are in Java. The overall aims of Understanding Java by Barry Cornelius are to introduce the main aspects of programming, to explain the constructs available in the Java programming language and to create an appropriate foundation for the construction of large programs. Barry Cornelius has taught courses in Java at the University of



Durham since 1996. This book is based on material taught by the author to students that are new to programming.

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