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KEY=SCALABILITY - MARIANA RILEY

Maximizing Performance and Scalability with IBM WebSphere

Apress * Describes the IBM WebSphere versions 4.0 and 5.0 architecture from a nuts and bolts level, giving visibility to the technology and underlying WebSphere platform design * Describes how to proactively manage the performance of an IBM WebSphere v4 or v5 platform * Thorough descriptions of tuning WebSphere with performance and robustness in mind * Teaches the reader how to develop custom IBM WebSphere performance monitoring and management tools

IBM Business Process Manager V7.5 Production Topologies

IBM Redbooks This IBM® Redbooks® publication describes how to build production topologies for IBM Business Process Manager Advanced V7.5. It is aimed at IT Architects and IT Specialists who want to understand and implement these topologies. Use this book to select the appropriate production topologies for a given environment, then follow the step-by-step instructions included in this book to build these topologies. Part one introduces IBM Business Process Manager and provides an overview of basic topology components, and Process Server and Process Center. This part also provides an overview of the production topologies that we describe in this book, including a selection criteria for when to select a given topology. Part two provides a series of step-by-step instructions for creating production topology environments using deployment environment patterns. This includes topologies that incorporate IBM Business Monitor. This part also discusses advanced topology topics.

AIX 5L Differences Guide Version 5.3 Edition

IBM Redbooks This IBM Redbooks publication focuses on the differences introduced in AIX 5L Version 5.3 when compared to AIX 5L Version 5.2. It is intended to help system administrators, developers, and users understand these enhancements and evaluate potential benefits in their own environments. AIX 5L Version 5.3 introduces many new features, including NFS Version 4 and Advanced Accounting, and exploits the advanced capabilities of POWER5 equipped servers, such as Virtual SCSI, Virtual Ethernet SMT, Micro-Partitioning, and others. There are many other enhancements available with AIX 5L Version 5.3, and you can explore them in this book. For customers who are not familiar with the enhancements of AIX 5L through Version 5.2, a companion publication, AIX 5L Differences Guide Version 5.2 Edition, SG24-5765 is available.

IBM i 6.1 Technical Overview

IBM Redbooks This IBM® Redbooks® publication introduces a technical overview of the main new features, functions and enhancements available in IBM i 6.1 (formerly called i5/OS® V6R1). It gives a summary and brief explanation of new capabilities and what has changed in the operating system, and also discusses many of the licensed programs and application development tools associated with IBM i. Many other new and enhanced functions are described, such as virtualization of storage, security, Java™ performance, improved performance with IBM System Storage™ devices, backup and recovery, including base IBM i, Backup, Recovery and Media Services (BRMS). The book introduces the PowerHATM product, IBM Systems Director-based system management and an easier Web enablement. The information provided in this book will be useful for customers, Business Partners, and IBM service professionals involved with planning, supporting, upgrading, and implementing IBM i 6.1 solutions.

Integrating IBM Security and SAP Solutions

IBM Redbooks Many large and medium-sized organizations have made strategic investments in the SAP NetWeaver technology platform as their primary application platform. In fact, SAP software is used to manage many core business processes and data. As a result, it is critical for all organizations to manage the life cycle of user access to the SAP applications while adhering to security and risk compliance requirements. In this IBM® Redbooks® publication, we discuss the integration points into SAP solutions that are supported by the IBM Security access and identity management product capabilities. IBM Security software offers a range of identity management (IdM) adapters and access management components for SAP solutions that are available with IBM Tivoli® Identity Manager, IBM Tivoli Directory Integrator, IBM Tivoli Directory Server, IBM Access Manager for e-business, IBM Tivoli Access Manager for Enterprise Single Sign-On, and IBM Tivoli Federated Identity Manager. This book is a valuable resource for security officers, consultants, administrators, and architects who want to understand and implement an identity management solution for an SAP environment.

Management Information Systems

Managing the Digital Firm

Pearson Educación Management Information Systems provides comprehensive and integrative coverage of essential new technologies, information system applications, and their impact on business models and managerial decision-making in an exciting and interactive manner. The twelfth edition focuses on the major changes that have been made in information technology over the past two years, and includes new opening, closing, and Interactive Session cases.

The Cathedral & the Bazaar

Musings on Linux and Open Source by an Accidental Revolutionary

"O'Reilly Media, Inc." Open source provides the competitive advantage in the Internet Age. According to the August Forrester Report, 56 percent of IT managers interviewed at Global 2,500 companies are already using some type of open source software in their infrastructure and another 6 percent will install it in the next two years. This revolutionary model for collaborative software development is being embraced and studied by many of the biggest players in the high-tech industry, from Sun Microsystems to IBM to Intel. The Cathedral & the Bazaar is a must for anyone who cares about the future of the computer industry or the dynamics of the information economy. Already, billions of dollars have been made and lost based on the ideas in this book. Its conclusions will be studied, debated, and implemented for years to come. According to Bob Young, "This is Eric Raymond's great contribution to the success of the open source revolution, to the adoption of Linux-based operating systems, and to the success of open source users and the companies that supply them." The interest in open source software development has grown enormously in the past year. This revised and expanded paperback edition includes new material on open source developments in 1999 and 2000. Raymond's clear and effective writing style accurately describing the benefits of open source software has been key to its success. With major vendors creating acceptance for open source within companies, independent vendors will become the open source story in 2001.

Wikinomics

How Mass Collaboration Changes Everything

Penguin The acclaimed bestseller that's teaching the world about the power of mass collaboration. Translated into more than twenty languages and named one of the best business books of the year by reviewers around the world, Wikinomics has become essential reading for business people everywhere. It explains how mass collaboration is happening not just at Web sites like Wikipedia and YouTube, but at traditional companies that have embraced technology to breathe new life into their enterprises. This national bestseller reveals the nuances that drive wikinomics, and share fascinating stories of how masses of people (both paid and volunteer) are now creating TV news stories, sequencing the human genome, remixing their favorite music, designing software, finding cures for diseases, editing school texts, inventing new cosmetics, and even building motorcycles.

Operating Systems

Internals and Design Principles

Prentice Hall For a one-semester undergraduate course in operating systems for computer science, computer engineering, and electrical engineering majors. Winner of the 2009 Textbook Excellence Award from the Text and Academic Authors Association (TAA)! **Operating Systems: Internals and Design Principles** is a comprehensive and unified introduction to operating systems. By using several innovative tools, Stallings makes it possible to understand critical core concepts that can be fundamentally challenging. The new edition includes the implementation of web based animations to aid visual learners. At key points in the book, students are directed to view an animation and then are provided with assignments to alter the animation input and analyze the results. The concepts are then enhanced and supported by end-of-chapter case studies of UNIX, Linux and Windows Vista. These provide students with a solid understanding of the key mechanisms of modern operating systems and the types of design tradeoffs and decisions involved in OS design. Because they are embedded into the text as end of chapter material, students are able to apply them right at the point of discussion. This approach is equally useful as a basic reference and as an up-to-date survey of the state of the art.

Brands and Branding

John Wiley & Sons With contributions from leading brand experts around the world, this valuable resource delineates the case for brands (financial value, social value, etc.) and looks at what makes certain brands great. It covers best practices in branding and also looks at the future of brands in the age of globalization. Although the balance sheet may not even put a value on it, a company's brand or its portfolio of brands is its most valuable asset. For well-known companies it has been calculated that the brand can account for as much as 80 percent of their market value. This book argues that because of this and because of the power of not-for-profit brands like the Red Cross or Oxfam, all organisations should make the brand their central organising principle, guiding every decision and every action. As well as making the case for brands and examining the argument of the anti-globalisation movement that brands are bullies which do harm, this second edition of **Brands and Branding** provides an expert review of best practice in branding, covering everything from brand positioning to brand protection, visual and verbal identity and brand communications. Lastly, the third part of the book looks at trends in branding, branding in Asia, especially in China and India, brands in a digital world and the future for brands. Written by 19 experts in the field, **Brands and Branding** sets out to provide a better understanding of the role and importance of brands, as well as a wealth of insights into how one builds and sustains a successful brand.

The Decline and Fall of IBM

End of an American Icon?

Nerdtv, LLC IBM is in trouble in 2014. The iconic computer company has mismanaged itself into a rut it may be unable to get out of. Technology journalist Robert X. Cringely explains how Big Blue got to where it is today and what can still be done to save the company before it is too late.

Java Performance Tuning

"O'Reilly Media, Inc." Helps readers eliminate performance problems, covering topics including bottlenecks, profiling tools, strings, algorithms, distributed systems, and servlets.

Managing Projects with GNU Make

The Power of GNU Make for Building Anything

"O'Reilly Media, Inc." The utility simply known as make is one of the most enduring features of both Unix and other operating systems. First invented in the 1970s, make still turns up to this day as the central engine in most programming projects; it even builds the Linux kernel. In the third edition of the classic **Managing Projects with GNU make**, readers will learn why this utility continues to hold its top position in project build software, despite many younger competitors. The premise behind make is simple: after you change source files and want to rebuild your program or other output files, make checks timestamps to see what has changed and rebuilds just what you need, without wasting time rebuilding other files. But on top of this simple principle, make layers a rich collection of options that lets you manipulate multiple directories, build different versions of programs for different platforms, and customize your builds in other ways. This edition focuses on the GNU version of make, which has deservedly become the industry standard. GNU make contains powerful extensions that are explored in this book. It is also popular because it is free software and provides a version for almost every platform, including a version for Microsoft Windows as part of the free Cygwin project. **Managing Projects with GNU make, 3rd Edition** provides guidelines on meeting the needs of large, modern projects. Also added are a number of interesting advanced topics such as portability, parallelism, and use with Java. Robert Mecklenburg, author of the third edition, has used make for decades with a

variety of platforms and languages. In this book he zealously lays forth how to get your builds to be as efficient as possible, reduce maintenance, avoid errors, and thoroughly understand what make is doing. Chapters on C++ and Java provide makefile entries optimized for projects in those languages. The author even includes a discussion of the makefile used to build the book.

The Future of Ideas

The Fate of the Commons in a Connected World

Vintage Explores the meaning of intellectual property in the new high-tech digital age, addressing the legal, social, and economic factors at work and provides a thought-provoking argument that those qualities that have made the Internet a dynamic force for creativity, freedom, and innovation could destroy the Internet's potential. Reprint. 25,000 first printing.

Programming Language Concepts

Springer This book uses a functional programming language (F#) as a metalanguage to present all concepts and examples, and thus has an operational flavour, enabling practical experiments and exercises. It includes basic concepts such as abstract syntax, interpretation, stack machines, compilation, type checking, garbage collection, and real machine code. Also included are more advanced topics on polymorphic types, type inference using unification, co- and contravariant types, continuations, and backwards code generation with on-the-fly peephole optimization. This second edition includes two new chapters. One describes compilation and type checking of a full functional language, tying together the previous chapters. The other describes how to compile a C subset to real (x86) hardware, as a smooth extension of the previously presented compilers. The examples present several interpreters and compilers for toy languages, including compilers for a small but usable subset of C, abstract machines, a garbage collector, and ML-style polymorphic type inference. Each chapter has exercises. *Programming Language Concepts* covers practical construction of lexers and parsers, but not regular expressions, automata and grammars, which are well covered already. It discusses the design and technology of Java and C# to strengthen students' understanding of these widely used languages.

The World Is Flat [Further Updated and Expanded; Release 3.0]

A Brief History of the Twenty-first Century

Macmillan This new edition of Friedman's landmark book explains the flattening of the world better than ever- and takes a new measure of the effects of this change on each of us.

Strategic Management and Business Policy

Entering 21st Century Global Society

Writing Effective Use Cases

Pearson Education This guide will help readers learn how to employ the significant power of use cases to their software development efforts. It provides a practical methodology, presenting key use case concepts.

Emerging Web Services Technology

Springer Science & Business Media This book contains a collection of selected and revised papers originally presented at the Workshop on Emerging Web Service Technology (WEWST) held in conjunction with the 4th European Conference on Web Services (ECOWS'06) in Zurich, Switzerland, December 2006. It details the latest innovations, developments and results in Web Services research. In addition, the book records the evolution of important ideas emerging in the Web Services field.

The Future of Computing Performance

Game Over or Next Level?

National Academies Press The end of dramatic exponential growth in single-processor performance marks the end of the dominance of the single microprocessor in computing. The era of sequential computing must give way to a new era in

which parallelism is at the forefront. Although important scientific and engineering challenges lie ahead, this is an opportune time for innovation in programming systems and computing architectures. We have already begun to see diversity in computer designs to optimize for such considerations as power and throughput. The next generation of discoveries is likely to require advances at both the hardware and software levels of computing systems. There is no guarantee that we can make parallel computing as common and easy to use as yesterday's sequential single-processor computer systems, but unless we aggressively pursue efforts suggested by the recommendations in this book, it will be "game over" for growth in computing performance. If parallel programming and related software efforts fail to become widespread, the development of exciting new applications that drive the computer industry will stall; if such innovation stalls, many other parts of the economy will follow suit. *The Future of Computing Performance* describes the factors that have led to the future limitations on growth for single processors that are based on complementary metal oxide semiconductor (CMOS) technology. It explores challenges inherent in parallel computing and architecture, including ever-increasing power consumption and the escalated requirements for heat dissipation. The book delineates a research, practice, and education agenda to help overcome these challenges. *The Future of Computing Performance* will guide researchers, manufacturers, and information technology professionals in the right direction for sustainable growth in computer performance, so that we may all enjoy the next level of benefits to society.

Service Science, Management and Engineering Education for the 21st Century

Springer Science & Business Media Papers in this unique volume were developed from the 2006 conference hosted by IBM, **Service Science, Management, and Engineering (SSME) – Education for the 21st Century**. The book incorporates a variety of perspectives, informed by an international background in SSME experience and education, including management, business, social science, computer science and engineering. Readers will derive an understanding of education needs and program offerings in SSME.

Running Linux

A Distribution-Neutral Guide for Servers and Desktops

"O'Reilly Media, Inc." You may be contemplating your first Linux installation. Or you may have been using Linux for years and need to know more about adding a network printer or setting up an FTP server. *Running Linux*, now in its fifth edition, is the book you'll want on hand in either case. Widely recognized in the Linux community as the ultimate getting-started and problem-solving book, it answers the questions and tackles the configuration issues that frequently plague users, but are seldom addressed in other books. This fifth edition of *Running Linux* is greatly expanded, reflecting the maturity of the operating system and the teeming wealth of software available for it. Hot consumer topics such as audio and video playback applications, groupware functionality, and spam filtering are covered, along with the basics in configuration and management that always have made the book popular. *Running Linux* covers basic communications such as mail, web surfing, and instant messaging, but also delves into the subtleties of network configuration--including dial-up, ADSL, and cable modems--in case you need to set up your network manually. The book can make you proficient on office suites and personal productivity applications--and also tells you what programming tools are available if you're interested in contributing to these applications. Other new topics in the fifth edition include encrypted email and filesystems, advanced shell techniques, and remote login applications. Classic discussions on booting, package management, kernel recompilation, and X configuration have also been updated. The authors of *Running Linux* have anticipated problem areas, selected stable and popular solutions, and provided clear instructions to ensure that you'll have a satisfying experience using Linux. The discussion is direct and complete enough to guide novice users, while still providing the additional information experienced users will need to progress in their mastery of Linux. Whether you're using Linux on a home workstation or maintaining a network server, *Running Linux* will provide expert advice just when you need it.

Cloud Computing and Software Services Theory and Techniques

CRC Press Whether you're already in the cloud, or determining whether or not it makes sense for your organization, *Cloud Computing and Software Services: Theory and Techniques* provides the technical understanding needed to develop and maintain state-of-the-art cloud computing and software services. From basic concepts and recent research findings to fut

Model-Driven Software Development

Technology, Engineering, Management

John Wiley & Sons **Model-Driven Software Development (MDSO)** is currently a highly regarded development paradigm among developers and researchers. With the advent of OMG's MDA and Microsoft's Software Factories, the MDSO approach has moved to the centre of the programmer's attention, becoming the focus of conferences such as OOPSLA, JAOO and OOP. MDSO is about using domain-specific languages to create models that express application structure or behaviour in an efficient and domain-specific way. These models are subsequently transformed into executable code by a sequence of model transformations. This practical guide for software architects and developers is peppered with practical examples and extensive case studies. International experts deliver:

- * A comprehensive overview of MDSO and how it relates to industry standards such as MDA and Software Factories.
- * Technical details on meta modeling, DSL construction, model-to-model and model-to-code transformations, and software architecture.
- * Invaluable insight into the software development process, plus engineering issues such as versioning, testing and product line engineering.
- * Essential management knowledge covering economic and organizational topics, from a global perspective. Get started and benefit from some practical support along the way!

Harnessing Green IT

Principles and Practices

John Wiley & Sons "Ultimately, this is a remarkable book, a practical testimonial, and a comprehensive bibliography rolled into one. It is a single, bright sword cut across the various murky green IT topics. And if my mistakes and lessons learned through the green IT journey are any indication, this book will be used every day by folks interested in greening IT." — Simon Y. Liu, Ph.D. & Ed.D., Editor-in-Chief, IT Professional Magazine, IEEE Computer Society, Director, U.S. National Agricultural Library

This book presents a holistic perspective on Green IT by discussing its various facets and showing how to strategically embrace it. **Harnessing Green IT: Principles and Practices** examines various ways of making computing and information systems greener - environmentally sustainable -, as well as several means of using Information Technology (IT) as a tool and an enabler to improve the environmental sustainability. The book focuses on both greening of IT and greening by IT - complimentary approaches to attaining environmental sustainability. In a single volume, it comprehensively covers several key aspects of Green IT - green technologies, design, standards, maturity models, strategies and adoption -, and presents a clear approach to greening IT encompassing green use, green disposal, green design, and green manufacturing. It also illustrates how to strategically apply green IT in practice in several areas.

Key Features: Presents a comprehensive coverage of key topics of importance and practical relevance - green technologies, design, standards, maturity models, strategies and adoption. Highlights several useful approaches to embracing green IT in several areas. Features chapters written by accomplished experts from industry and academia who have first-hand knowledge and expertise in specific areas of green IT. Presents a set of review and discussion questions for each chapter that will help the readers to examine and explore the green IT domain further. Includes a companion website providing resources for further information and presentation slides. This book will be an invaluable resource for IT Professionals, academics, students, researchers, project leaders/managers, IT business executives, CIOs, CTOs and anyone interested in Green IT and harnessing it to enhance our environment.

Computer Architecture and Security

Fundamentals of Designing Secure Computer Systems

John Wiley & Sons The first book to introduce computer architecture for security and provide the tools to implement secure computer systems. This book provides the fundamentals of computer architecture for security. It covers a wide range of computer hardware, system software and data concepts from a security perspective. It is essential for computer science and security professionals to understand both hardware and software security solutions to survive in the workplace. Examination of memory, CPU architecture and system implementation. Discussion of computer buses and a dual-port bus interface. Examples cover a broad spectrum of hardware and software systems. Design and implementation of a patent-pending secure computer system. Includes the latest patent-pending technologies in architecture security. Placement of computers in a security fulfilled network environment. Co-authored by the inventor of the modern Computed Tomography (CT) scanner. Provides website for lecture notes, security tools and latest updates.

Cloud Computing

Theory and Practice

Newnes **Cloud Computing: Theory and Practice** provides students and IT professionals with an in-depth analysis of the cloud from the ground up. Beginning with a discussion of parallel computing and architectures and distributed systems, the book turns to contemporary cloud infrastructures, how they are being deployed at leading companies

such as Amazon, Google and Apple, and how they can be applied in fields such as healthcare, banking and science. The volume also examines how to successfully deploy a cloud application across the enterprise using virtualization, resource management and the right amount of networking support, including content delivery networks and storage area networks. Developers will find a complete introduction to application development provided on a variety of platforms. Learn about recent trends in cloud computing in critical areas such as: resource management, security, energy consumption, ethics, and complex systems Get a detailed hands-on set of practical recipes that help simplify the deployment of a cloud based system for practical use of computing clouds along with an in-depth discussion of several projects Understand the evolution of cloud computing and why the cloud computing paradigm has a better chance to succeed than previous efforts in large-scale distributed computing

Competing for the Future

How Digital Innovations are Changing the World

Cambridge University Press Everybody knows that digital technology has revolutionised our economy and our lifestyles. But how many of us really understand the drivers behind the technology - the significance of going digital; the miniaturization of circuit boards; the role of venture capital in financing the revolution; the importance of research and development? How many of us understand what it takes to make money from innovative technologies? Should we worry about manufacturing going offshore? What is the role of India and China in the digital economy? Drawing on a lifetime's experience in the industry, as an engineer, a senior manager and as a partner in a venture capital firm, Henry Kressel offers an expert personalized answer to all these questions. He explains how the technology works, why it matters, how it is financed and what the key lessons are for public policy.

Cloud Computing

Principles and Paradigms

Wiley The primary purpose of this book is to capture the state-of-the-art in Cloud Computing technologies and applications. The book will also aim to identify potential research directions and technologies that will facilitate creation a global market-place of cloud computing services supporting scientific, industrial, business, and consumer applications. We expect the book to serve as a reference for larger audience such as systems architects, practitioners, developers, new researchers and graduate level students. This area of research is relatively recent, and as such has no existing reference book that addresses it. This book will be a timely contribution to a field that is gaining considerable research interest, momentum, and is expected to be of increasing interest to commercial developers. The book is targeted for professional computer science developers and graduate students especially at Masters level. As Cloud Computing is recognized as one of the top five emerging technologies that will have a major impact on the quality of science and society over the next 20 years, its knowledge will help position our readers at the forefront of the field.

A Practical Guide to Distributed Scrum (Adobe Reader)

Pearson Education Succeed with Scrum in Even the Largest, Most Complex Distributed Development Projects Forewords by Ken Schwaber, Scott Ambler, Roman Pichler, and Matthew Wang This is the first comprehensive, practical guide for Scrum practitioners working in large-scale distributed environments. Written by three of IBM's leading Scrum practitioners—in close collaboration with the IBM QSE Scrum Community of more than 1000 members worldwide—this book offers specific, actionable guidance for everyone who wants to succeed with Scrum in the enterprise. Readers will follow a journey through the lifecycle of a distributed Scrum project, from envisioning products and setting up teams to preparing for Sprint planning and running retrospectives. Each chapter presents a baseline drawn from “conventional” Scrum, then discusses additional issues faced by distributed teams, and presents specific best-practice solutions, alternatives, and tips the authors have identified through hard, empirical experience. Using real-world examples, the book demonstrates how to apply key Scrum practices, such as look-ahead planning in geographically distributed environments. Readers will also gain valuable new insights into the agile management of complex problem and technical domains. Coverage includes Developing user stories and working with Product Owners as a distributed team Recognizing and fixing the flaws Scrum may reveal in existing processes Engaging in more efficient Release and Sprint planning Conducting intense, brief daily Scrum meetings in distributed environments Managing cultural and language differences Resolving dependencies, performing frequent integration, and maintaining transparency in geographically distributed environments Successfully running remote software reviews and demos Brainstorming what worked and what didn't, to improve future Sprints This book will be an indispensable resource for every team leader, member, product owner, or manager working with Scrum or other agile methods in any distributed software development organization.

Viral Spiral

How the Commoners Built a Digital Republic of Their Own

David Bollier A narrative history of the emergence of electronic "free culture" explains how strict intellectual property rights, hierarchies of credentialed experts, and other forms of centralized control are being challenged and reshaped by the world of digital media, in an account that includes coverage of such figures as hacker Richard Stallman and copyright scholar Lawrence Lessig. 20,000 first printing.

The Internet of Things in the Cloud

A Middleware Perspective

CRC Press Although the Internet of Things (IoT) is a vast and dynamic territory that is evolving rapidly, there has been a need for a book that offers a holistic view of the technologies and applications of the entire IoT spectrum. Filling this void, *The Internet of Things in the Cloud: A Middleware Perspective* provides a comprehensive introduction to the IoT and its development worldwide. It gives you a panoramic view of the IoT landscape—focusing on the overall technological architecture and design of a tentatively unified IoT framework underpinned by Cloud computing from a middleware perspective. Organized into three sections, it: Describes the many facets of Internet of Things—including the four pillars of IoT and the three layer value chain of IoT Focuses on middleware, the glue and building blocks of a holistic IoT system on every layer of the architecture Explores Cloud computing and IoT as well as their synergy based on the common background of distributed processing The book is based on the author's two previous bestselling books (in Chinese) on IoT and Cloud computing and more than two decades of hands-on software/middleware programming and architecting experience at organizations such as the Oak Ridge National Laboratory, IBM, BEA Systems, and Silicon Valley startup Doubletivist. Tapping into this wealth of knowledge, the book categorizes the many facets of the IoT and proposes a number of paradigms and classifications about Internet of Things' mass and niche markets and technologies.

Security on the IBM Mainframe

Web Engineering: A Practitioner's Approach

McGraw-Hill Science, Engineering & Mathematics and content management. Whether you're an industry practitioner or intend to become one, *Web Engineering: A Practitioner's Approach* can help you meet the challenge of the next generation of Web-based systems and applications." --Book Jacket.

The World Is Flat 3.0

A Brief History of the Twenty-first Century

Picador This Independence Day edition of *The World is Flat 3.0* includes an an exclusive preview of *That Used to Be Us: How America Fell Behind in the World It Invented and How We Can Come Back*, by Thomas L. Friedman and Michael Mandelbaum, on sale September 5th, 2011. A New Edition of the Phenomenal #1 Bestseller "One mark of a great book is that it makes you see things in a new way, and Mr. Friedman certainly succeeds in that goal," the Nobel laureate Joseph E. Stiglitz wrote in *The New York Times* reviewing *The World Is Flat* in 2005. In this new edition, Thomas L. Friedman includes fresh stories and insights to help us understand the flattening of the world. Weaving new information into his overall thesis, and answering the questions he has been most frequently asked by parents across the country, this third edition also includes two new chapters--on how to be a political activist and social entrepreneur in a flat world; and on the more troubling question of how to manage our reputations and privacy in a world where we are all becoming publishers and public figures. *The World Is Flat 3.0* is an essential update on globalization, its opportunities for individual empowerment, its achievements at lifting millions out of poverty, and its drawbacks--environmental, social, and political, powerfully illuminated by the Pulitzer Prize--winning author of *The Lexus and the Olive Tree*.

Test and Analysis of Web Services

Springer Science & Business Media The authors have here put together the first reference on all aspects of testing and validating service-oriented architectures. With contributions by leading academic and industrial research groups it offers detailed guidelines for the actual validation process. Readers will find a comprehensive survey of state-of-the-art approaches as well as techniques and tools to improve the quality of service-oriented applications. It also includes references and scenarios for future research and development.

JSTL

Practical Guide for JSP Programmers

Elsevier Web developers and page authors who use JavaServer Pages (JSP) know that it is much easier and efficient to implement web pages without reinventing the wheel each time. In order to shave valuable time from their development schedules, those who work with JSP have created, debugged, and used custom tags—a set of programmable actions that provide dynamic behavior to static pages—paving the way towards a more common, standard approach to using Java technology for web development. The biggest boost to this effort however has only recently arrived in the form of a standard set of tag libraries, known as the JSTL, which now provides a wide range of functionality and gives web page authors a much more simplified approach to implementing dynamic, Java-based web sites. **JSTL: Practical Guide for JSP Programmers** is a timely resource for anyone interested in doing large-scale J2EE application development. It sticks to the main features of the JSTL so that developers don't have to sift through unnecessary details to begin using the tags and working with the expression language. Sue Spielman's straight-forward, practical approach is enhanced with numerous code samples and insightful descriptions to make learning the JSTL a quickly and easily accomplished task. Written by a best-selling author with a wealth of development experience and recognition in the Java community. Covers the core elements of the JSTL including the four standard tag libraries (core, internationalization/format, XML, and SQL) and expression language. Includes a reference section for all of the tags and attributes contained in the JSTL.

Designing Data-Intensive Applications

The Big Ideas Behind Reliable, Scalable, and Maintainable Systems

"O'Reilly Media, Inc." Data is at the center of many challenges in system design today. Difficult issues need to be figured out, such as scalability, consistency, reliability, efficiency, and maintainability. In addition, we have an overwhelming variety of tools, including relational databases, NoSQL datastores, stream or batch processors, and message brokers. What are the right choices for your application? How do you make sense of all these buzzwords? In this practical and comprehensive guide, author Martin Kleppmann helps you navigate this diverse landscape by examining the pros and cons of various technologies for processing and storing data. Software keeps changing, but the fundamental principles remain the same. With this book, software engineers and architects will learn how to apply those ideas in practice, and how to make full use of data in modern applications. Peer under the hood of the systems you already use, and learn how to use and operate them more effectively. Make informed decisions by identifying the strengths and weaknesses of different tools. Navigate the trade-offs around consistency, scalability, fault tolerance, and complexity. Understand the distributed systems research upon which modern databases are built. Peek behind the scenes of major online services, and learn from their architectures.

Smart Business Networks

Springer Science & Business Media Scientists from management and strategy, information systems, engineering and telecommunications have discussed a novel concept: Smart Business Networks. They see the future as a developing web of people and organizations, bound together in a dynamic and unpredictable way, creating smart outcomes from quickly (re-)configuring links between actors. The question is: What should be done to make the outcomes of such a network 'smart', that is, just a little better than that of your competitor? More agile, with less pain, with more return to all the members of the network, now and over time? The technical answer is to create a 'business operating system' that should run business processes on different organisational platforms. Business processes would become portable: The end-to-end management of processes running across many different organizations in many different forms would become possible. This book presents you the outcomes of an energizing and new direction in management science.

The Management of Technology and Innovation

A Strategic Approach

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