

30 Useful Biztalk Server Tips

Learning good map design techniques for BizTalk Server will make a huge difference to the processing speed of your implementation, as well as to the scalability and maintainability of your code.

Regardless of your experience, expert authors Jim Dawson and John Wainwright ensure you make the right choices to reap the rewards and avoid the potential penalties of poor design. *Pro Mapping in BizTalk Server 2009* provides in-depth coverage of all aspects of mapping to enable you to quickly and efficiently incorporate logic that will fulfill your mapping requirements. While the mapping techniques will be useful for all versions of BizTalk Server, the code is tailored toward BizTalk Server 2006 R3 and demonstrates the latest approaches to standard maps, electronic data interchange, and RFID components. You'll refer again and again to the multiple solutions that will help solve your new mapping challenges, and soon find this is an essential reference for any BizTalk implementation.

BizTalk Unleashed Sams Publishing

The most complete, practical guide to BizTalk Server 2009: an all-new book focused on delivering real, start-to-finish enterprise solutions • •Pragmatic coverage of every crucial step of BizTalk development: architecture, design, infrastructure, deployment, lifecycle management, and more. •Fully

up to date with the R2 release of BizTalk Server 2009. •Not a revision of previous BizTalk Server Unleashed books, but completely rewritten from the ground up. Microsoft BizTalk Server 2009 Unleashed is the definitive, pragmatic guide to Microsoft BizTalk Server Microsoft's latest and most powerful version of BizTalk Server. In this book, a team of world-class BizTalk Server 2009 experts bring together the deep practical insights .NET developers need to solve real business problems with BizTalk Server 2009 in any enterprise environment. Drawing on their immense BizTalk experience, the authors present best practices for the entire development lifecycle, from planning and architecture through deployment, and beyond. Writing at just the right level of technical detail for experienced .NET developers now starting out with BizTalk, they cover these and many other crucial issues:

- Architecting and designing effective, high-value BizTalk solutions.
- Working with BizTalk schemas, maps, orchestrations, pipelines, pipeline components, and adapters.
- Implementing business rules with the Microsoft Business Rules Framework.
- Creating highly-available, high-performance BizTalk environments.
- Monitoring business activity.
- Collaborating effectively among BizTalk developers and users.
- Using BizTalk's leading-edge RFID capabilities

Note: This is a 100% new book, NOT an update to 2004 Unleashed

The market for Radio Frequency Identification

(RFID) technology is expanding rapidly, constituting billions of dollars annually. As more organizations adopt RFID solutions and related equipment, the need to route, map, and execute workflows based on RFID data grows exponentially. Microsoft's solution to this demand is BizTalk RFID, an application built to distribute, track, analyze, and provide visibility into enterprise data collected using RFID technologies. To aid in the rapid understanding and adoption of BizTalk RFID, this book's authors have joined together to present Pro RFID in BizTalk Server 2009, the definitive resource for unlocking the potential of the application. With extensive code and configuration examples and multiple case studies illustrating how this application is being used in various industries, authors Ram Venkatesh, the lead developer of the BizTalk RFID platform, Mark Simms, a leading architect and developer of BizTalk RFID solutions, and Mark Beckner, a BizTalk Server and enterprise architecture specialist, ensure that you will gain the insight and master the tools necessary to be able to confidently and efficiently implement a BizTalk RFID solution.

Shows how to deploy solutions for the entire .NET Enterprise Server family-from Exchange Server and Content Management Server to ISA Server and BizTalk Server Presents practical, hands-on advice to assure that solutions are integrated and meet the needs of individual businesses Covers integration of

.NET servers with XML and ADO, including best practices

Chen's book provides everything developers need to know to build an end-to-end BizTalk solution, with focus on BizTalk Server 2002.

Microsoft BizTalk Server 2004 Unleashed is the definitive reference for building and managing your BizTalk Server 2004 projects. Learn about mapping, publish and subscribe messaging, orchestration, business activity monitoring, and much more.

Gain an in depth view of optimizing the performance of BizTalk Server. This book provides best practices and techniques for improving development of high mission critical solutions. You'll see how the BizTalk Server engine works and how to proactively detect and remedy potential bottlenecks before they occur. The book starts with an overview of the BizTalk Server internal mechanisms that will help you understand the optimizations detailed throughout the book. You'll then see how the mechanisms can be applied to a BizTalk Server environment to improve low and high latency throughput scenarios. A section on testing BizTalk server solutions will guide you through the most frequently adopted techniques used to develop solutions such as performance and unit testing as part of the development cycle. With BizTalk Server 2016 you'll see how to apply side-by-side versioning to your solutions to reduce the chances of downtime, You'll also review instrumentation techniques using Event Traces for windows and business activity monitoring (BAM). While the book is

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focused on the latest version of BizTalk Server, most of the topics discussed will also work with BizTalk Server 2013R2. What You'll Learn Review BizTalk Server internals and how the message engine works Understand BizTalk Server architecture Gather and analyze BizTalk Server performance data Develop BizTalk Server performance solutions Use advanced troubleshooting tools to help diagnose your platform Who This Book Is For Those who have strong BizTalk and .NET Framework knowledge and want to get their BizTalk Server knowledge to the next level

This book introduces readers, and project management practitioners to a number of global companies and projects, that went right and/or wrong. Seeing high percentage of projects failure, mounting to billions of lost revenues annually to companies on global bases, the idea to put together this body of work was born. While the lessons are significantly useful to the public and can be shared, the primary objective of this book however, remains to present the reader with lessons learnt from not only mine, but the collective experience of working with projects. Some of the lessons covered in this book includes the following; It is very good idea to initiate an innovative approach to a project, but the most important thing, is to plan for it adequately, extensively, and be ready for failures and obstacles since nothing goes as you plan. The lessons covered in this book are invaluable and timeless.

For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital

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nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce. A hands-on certification guide with practical examples and sample questions and answers to help BizTalk developers pass the Microsoft BizTalk Server 2010 (70-595) exam. If you are an intermediate level BizTalk developer who wants to pass the Microsoft BizTalk Server 2010 (70-595) exam, then this book is for you. A working knowledge of fundamental BizTalk concepts around the core messaging engine and building business processes using orchestrations is assumed but not required. In addition, core knowledge of Windows Communication Foundation (WCF) and a basic understanding of Electronic Data Interchange (EDI) is recommended.

Book + Content Update Program This is the most comprehensive and realistic guide to Windows Server 2016 planning, design, prototyping, implementation, migration, administration, and support. Extensively updated, it contains unsurpassed independent and objective coverage of Windows Server 2016's key innovations, from the cloud and containers to security and mobility. Windows Server 2016 Unleashed reflects the authors' extraordinary experience implementing Windows Server 2016 in large-scale environments since its earliest alpha releases. Microsoft MVP Rand Morimoto and colleagues fully address all aspects of deploying and operating Windows Server 2016, including

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Active Directory, networking, application services, security, administration, business continuity, virtualization, optimization, and troubleshooting. You'll find up-to-the-minute coverage of new features ranging from Storage Spaces Direct to Cluster-Aware Updating, and Dynamic Access Control to Nano Server. Valuable for Windows pros at all levels, this book will be indispensable especially for intermediate-to-advanced level professionals seeking expert, in-depth solutions. Every chapter contains tips, tricks, best practices, and lessons learned from actual deployments—practical help for solving real problems. Detailed information on how to:

- Take full advantage of key Windows Server 2016 innovations
- Plan, prototype, install, migrate to, and deploy Windows Server 2016 and Server Core
- Design a modern Windows Server Active Directory, from OUs and infrastructure to Federated Forests and Lightweight Directories
- Deliver reliable networking services: DNS, WINS, DNSSEC, DHCP, IPv6, IPAM, and IIS
- Systematically harden server-level security
- Protect data in transit with PKI, certificates, rights management, and IPsec encryption
- Safely provide appropriate remote and mobile access for your users
- Efficiently administer, automate, maintain, and document Windows Server production environments
- Control Windows devices centrally with Group Policies and Policy Management
- Implement advanced fault tolerance, clustering, and other business continuity features
- Optimize, tune, and debug Windows Server, and plan for growth
- Leverage integrated application services, including SharePoint and Hyper-V

In addition, this book is part of InformIT's

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Content Update Program, which provides content updates for major technology improvements! As significant updates are made to Windows Server 2016, sections of this book will be updated or new sections will be added to match the updates to the technologies. As updates become available, they will be delivered to you via a free Web Edition of this book, which can be accessed with any Internet connection. To learn more, visit informit.com/cup. How to access the Web Edition: Follow the instructions in the book to learn how to register your book to access the FREE Web Edition. Think Microsoft .NET will provide the "big .NET picture" to help both developers and IT decision-makers decide whether they should explore .NET further. It is not a how-to book and isn't code-laden. The reader will take away a deep understanding of what .NET is and an understanding of the .NET Framework. This knowledge will provide an orientation and give them enough information to make a sound decision on whether or not they want to use .NET in their IT department or development future. Bart A. DePetrillo is the co-founder of Newtelligence AG, a German company specializing in application development, consulting, and training for .NET technologies. He is also the author of technical educational materials for Microsoft and the ".NET Initiative." His company has presented at the Microsoft .NET Technical Summit, Systems 2000 Conference, SIGS/101 Component Development 2000, and Microsoft TechEd 2000.

BizTalk Server 2000 is an integral piece in the .NET enterprise server framework and forms the foundation for

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Microsoft's e-commerce platform. Aimed at the developer, this work offers in-depth information on building and deploying real-world BizTalk applications. An official training kit for the Microsoft BizTalk Server 2000 Exam 70-230 provides a self-paced approach that utilizes authoritative information, detailed instruction, case study exercises, and hands-on practice skills, with a searchable version of the study guide on CD-ROM.

(Intermediate/Advanced)

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.

The BizTalk 2000 Developer's Guide is written for developers who are responsible for installing, configuring and deploying the BizTalk Server in their organizations IT infrastructure. The opening chapters of the book discuss the benefits of seamless business-to-business application integration, summarize the features and enhancements of BizTalk Server 2000, and offer an introduction to XML - the driving force behind BizTalk. The next chapters explore the multiple tools that are incorporated into BizTalk that will transform the way in which information is created, transmitted and maintained in the server environment. Other chapters include complete coverage of the security considerations for BizTalk, and an examination of the various third-party plug-ins for enhancing BizTalk Server 2000. Contains a Wallet size CD with third-party plug-ins from leading developers, and ready-to-use source code from the book Timely .NET coverage. BizTalk Server 2000 is an integral member of Microsoft's .net Enterprise Server suite

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Microsoft Commerce Server 2002 provides a platform for the rapid development of e-Commerce web sites. Using the design patterns found in the sample sites and lessons learned from years of field experience, this book defines a path for mapping an e-commerce project.

Using the Hyper-V virtualization capabilities built into Windows Server 2008, organizations can slash costs for power, space, and maintenance, and dramatically improve IT flexibility at the same time. This is the first book to offer comprehensive, independent, real-world coverage of planning, designing, implementing, and supporting Windows Server 2008 Hyper-V virtualization environments. Authored by Rand Morimoto and Jeff Guillet—top consultants of Microsoft technologies with unsurpassed experience deploying Hyper-V in enterprise organizations—this book delivers start-to-finish guidance for every facet of your virtualization initiative. Leverage the experience from hundreds of real world implementations of Hyper-V and Virtual Machine Manager 2008 in your deployment of a virtualized server environment Implement best practices for planning, prototyping, and deploying Hyper-V—including strategies, processes, and templates Install and configure Windows 2008 Server with Windows Hyper-V Services Provide guest operating systems ranging from Windows 2003 Server to Linux Administer Hyper-V Host Servers as standalone hosts or in multiple host environments Optimize Hyper-V Host Server and guest sessions, by efficiently allocating memory, processors, disk space, and other resources Move from basic server virtualization to a systematically managed virtual enterprise environment Use Virtual Machine Manager 2008 to centrally monitor all your Hyper-V hosts and guest sessions Quickly provision new guest images wherever and whenever you need them Implement reliable failover processes to overcome failures in

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guest sessions, host systems, or sites Troubleshoot problems with both Hyper-V hosts and guest operating systems

A demonstration of BizTalk fundamentals covers installation and configuration as well as architecture, mapping, integration, and troubleshooting.

A guide to building a full-service Web-based commerce application using .NET technologies, presenting an architecture and development blueprint of the technologies available in .NET for companies delivering services via the Web. It includes coverage of C#, Visual Basic.NET, ASP.NET, and more.

The BizTalk framework is based on new Extensible Markup Language (XML) schemas and industry standards that enable integration across industries and between business systems. By defining vocabulary, schemas, tags, and framework of this new system, readers will understand the details for e-commerce.

A compendium of best practices and implementation wisdom, Pro BizTalk 2009 is a revision of the highly-successful and best-selling Pro BizTalk 2006. The book has been fully updated to cover developments in BizTalk 2009. You'll find chapters on topics such as developing WCF-compliant adapters using the WCF LOB adapter SDK, connecting BizTalk to IBM mainframe line-of-business applications and data using the Host Integration Server adapter, and riding the Enterprise Service Bus. All other chapters in the book have been updated to reflect developments in BizTalk 2009. Pro BizTalk 2009 is based upon real feedback from BizTalk developers. It is written by recognized experts George Dunphy and Sergei Moukhmitski, backed by a team of top-notch co-authors. The book is a labor of love in which the authors share their experiences and expertise to teach you the art of creating a BizTalk solution using the right tools from the BizTalk 2009 toolbox. Fully updated to cover

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developments in BizTalk 2009 Focuses on the art of creating a BizTalk solution by helping readers choose the right tool from the BizTalk toolbox for the task at hand Based upon the real-life experience of authors with many years of practice implementing BizTalk solutions for large enterprises InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Get the end-to-end instruction you need to design, develop, and deploy more effective data integration, reporting, and analysis solutions using SQL Server 2008--whether you're new to business intelligence (BI) programming or a seasoned pro. With real-world examples and insights from an expert team, you'll master the concepts, tools, and techniques for building solutions that deliver intelligence--and business value--exactly where users want it. Discover how to: Manage the development life cycle and build a BI team Dig into SQL Server Analysis Services, Integration Services, and Reporting Services Navigate the Business Intelligence Development Studio (BIDS) Write queries that rank, sort, and drill down on sales data Develop extract, transform, and load (ETL) solutions Add a source code control system Help secure packages for deployment via encryption and credentials Use MDX and DMX Query Designers to build reports based on OLAP cubes and data mining models Create and implement custom objects using .NET code View reports in Microsoft Office Excel and Office SharePoint Serverook

This book contains extended and revised versions of a set of selected papers from two workshops organized by the Euro Working Group on Decision Support Systems (EWG-DSS), which were held in London and Paris, in June and November 2011, respectively. The workshop themes were "Decision Support Systems" and "Collaborative Decision Making." The 11 papers were selected from 52 submissions and are

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representative of the current research in these fields. They address challenges such as conceptual models, software specification and simulation, collaborative requirements specification, as well as multi-objective and multi-criteria decision making.

Windows Server 2008 Unleashed covers the planning, design, prototype testing, implementation, migration, administration, and support of a Windows 2008 and Active Directory environment, based on more than three and a half years of early adopter experience in full production environments. This book addresses not only what is new with Windows 2008 compared to previous versions of the Windows Server product, but also what is different and how the similarities and differences affect an organization's migration to Windows 2008. Chapters are dedicated to the migration process from Windows 2000/2003 to Windows 2008, how to properly use Group Policies in Windows 2008, and tips and tricks on managing and administering a Windows 2008 environment. The authors cover the technologies new to Windows 2008, such as IPv6, Network Access Protection (NAP), Network Policy Server (NPS), Terminal Services Remote Programs, Windows Deployment Services (WDS), Hyper-V virtualization, and more! This book doesn't just describe the features and functions included in Windows 2008--there are notes throughout the book explaining how organizations have successfully used the technologies to fulfill core business needs. Tips, tricks, and best practices share lessons learned from hundreds of implementations of Windows 2008 in real-world environments. Detailed information on how to... Plan and migrate from Windows 2000/2003 to Windows 2008 Leverage new tools and utilities that simplify system and network administration functions Enable the latest security technologies to improve secured enterprise computing Better

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manage a Windows 2008 Active Directory environment
Optimize a Windows 2008 environment for better scalability and enhanced performance
Implement Windows 2008 for better branch office and remote office integration
Design a Windows 2008 environment to support the latest in clustering, stretched clusters, fault tolerance, and redundant systems technologies
Take advantage of add-on technologies available for Windows 2008, including Windows SharePoint Services, Microsoft Hyper-V virtualization, Windows Media Services, and IIS 7 web server solutions

A practical book that acts as a clear and concise introduction to BizTalk Services. Full of real-world scenarios, each area of BizTalk Services is explained in detail, essentially enabling you to smoothly design your own integration solutions with minimal effort. This book is intended for those who want to understand BizTalk Services, what it can do, and how to build integration solutions using it in their organizations. If you are a developer, architect, or project manager, this book will quickly get you acquainted with this powerful cloud integration technology. It would be helpful to have some experience with BizTalk Server; however, this is neither required nor assumed. It is recommended to have a subscription with Windows Azure to try out the examples in the book.

Annotation BizTalk is an integral part of the Microsoft .NET. The administrator and developer both will find this book a comprehensive source to help them understand, and problem solve wherever they are exploring BizTalk. Two high profile BizTalk spokespersons--John Matranga and Microsoft's BizTalk trainer Susie Adams. Explanations of what every portion of BizTalk is, what it does and how it fits together. Includes multiple examples then moves

to debugging and troubleshooting. The authors spend significant time on tackling the "gotchas" (the things that can inevitably go wrong with any complex new, cutting-edge technology). Real-world scenarios, code examples and simulations for every major topic area. BizTalk Unleashed explains systems, terms and interactions, give code examples and business scenarios and regular de-bugging tips and troubleshooting schema for each chapter and section. Part One: Structure of the book--a pyramid book organization beginning at the base. Part Two: Purposes, goals and major components of BizTalk--the fundamental BizTalk markup technologies are covered: XML, Soap and the BizTalk Framework. Part Three: BizTalk Administration--installation, hardware requirements, scalability, security, team management issues, Backup. Part Four: Modeling Business Documents--Using the BizTalk Editor and the BizTalk Mapper. Part Five: BizTalk Messaging--the engine and understanding how BizTalk Messaging routes messages; using the BizTalk Messaging Manager; document tracking and activity monitoring; performance analysis. Part Six: BizTalk Process Orchestration--Using the BizTalk Designer; XLANG orchestration engine; interaction of BizTalk messaging and orchestration. Part Seven: Extending BizTalk Server 2000--application interaction components; types and when to use them; custom

serializers, parsers and functoids; the administration object model. Part Eight: Integrating the BizTalk Server and Commerce Server. Part Nine: Appendices. John Matranga Chief Technology Officer, Omicron, has been with Omicron for 11 years. Omicron is a vendor for Microsoft and has been very involved in the creation of the BizTalk Orchestration as XML experts. He is a frequent conference speaker on XML, Web Services and Microsoft .NET. Susie Adams, Senior Technology Specialist, Microsoft Corporation, has been with Microsoft and the BizTalk product for two years (since the BizTalk alpha). She has taught on the BizTalk product at Microsoft Tech Ed 2000, Dev Days, Microsoft technology briefings and leads ongoing internal BizTalk trainings for other MS consultants.

Special Edition Using Microsoft .NET Enterprise Servers helps readers understand each of the ten .NET Enterprise Servers from a design and operation standpoint. This book provides readers with the information necessary to architect a complete solution, using real-world examples to show how each of the different servers fits an organization's needs. The book goes beyond mere planning and architecture, and helps managers and administrators understand the core day-to-day administrative requirements of each server. Essentially, this book is designed to cover the

portions of these products that are used every day, effectively making it ten small books in one.

This book provides accurate documentation about BizTalk, demystifies the product, and launches a new wave of business integration by fitting in with our other forthcoming BizTalk books. The book makes BizTalk technology accessible through a comprehensive approach to the product. It comprises the final peg in a complete BizTalk book strategy, with a thorough growth curve for the reader in our books. Upon the release of BizTalk Server 2006 Microsoft launched an impressive marketing campaign, beginning with the massive launch events of 2005/2006 urging more corporations to take another look at BizTalk. It seems that Microsoft's efforts are beginning to pay off.

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