

Microsoft Biztalk Server 2010 Unleashed

Using the Model View View-Model (MVVM) pattern, .NET developers can create more robust and powerful Silverlight and WPF applications, get to market more rapidly, and simplify both maintenance and upgrades. In MVVM Unleashed, two-time Microsoft MVP Mike Brown demonstrates how to use MVVM to overcome many of the most difficult challenges traditionally associated with Silverlight and WPF development. Brown presents realistic code samples illuminating each "pain point" and showing how MVVM and its supporting patterns can be used to address them. This book goes far beyond theory, presenting useful advice and code derived from the authors' extensive business-to-business WPF and Silverlight applications. Brown shows how to leverage MVVM's potential benefits for maintainability, testability, "blendability," and portability. In addition, he thoroughly covers closely-related "supporting patterns" for efficiently structuring applications—including patterns that have evolved from the practice of minimizing code-behind. MVVM Unleashed will be valuable to every Silverlight and WPF developer, including the growing number of developers now building Windows Phone 7 apps.

This book is the most comprehensive and up to date introduction to ASP.NET ever written. Focusing solely on C#, with no code samples duplicated in other languages, award winning author Matthew MacDonald introduces you to the very latest thinking and best practices for the ASP.NET 4.5 technology. Assuming no prior coding experience, you'll be taught everything you need to know from the ground up. Starting from first principals, you'll learn the skills you need to be an effective ASP.NET developer who is ready to progress to more sophisticated projects and professional work. You'll be taught how to use object orientation and code-behind techniques to lay out your code clearly in a way other developers can easily understand. You'll learn how to query databases from within you web pages, spice up your layouts using ASP.NET AJAX and deploy your finished websites to production servers. You'll also learn how to debug your code when things go wrong and the performance and scalability issues that can affect your web projects as they grow. With you book you can take your first step towards becoming a successful ASP.NET developer with confidence.

The Authoritative Building Service-Oriented Solutions with Microsoft .NET Technologies and the Windows Azure Cloud Computing Platform In SOA with .NET and Windows Azure, top Microsoft technology experts team up with Thomas Erl to explore service-oriented computing with Microsoft's latest .NET service technologies and Windows Azure innovations. The authors provide comprehensive documentation of on-premise and cloud-based modern service technology advancements within the Microsoft platform and further show how these technologies have increased the potential for applying and realizing service-orientation practices and goals. Specifically, the book delves into Microsoft enterprise technologies, such as: Windows Communication Foundation (WCF) Windows Azure Windows Workflow Foundation (WF) Windows Azure AppFabric BizTalk Server Windows Presentation Foundation (WPF) ...as well as industry service mediums, including WS-* and REST, and many related service industry standards and technologies. The book steps through common SOA design patterns and service-orientation principles, along with numerous code-level examples that further detail various technology architectures and implementations. Topic Areas This book covers the following primary topics: Microsoft Service Technologies Microsoft Enterprise Technologies On-Premise & Cloud-Based Service Topics Industry Service Technologies & Mediums Service-Oriented Technology Architectural Models Service-Oriented Design Paradigm Service-Oriented Design Principles SOA Design Patterns About the Web Sites This book series is further supported by a series of resources sites, including: www.soapbooks.com www.soapscps.com www.soamg.com www.soaparticles.com www.soapstarters.org www.soapprinciples.com www.whatissoa.com

Additional Pages for experienced programmers uses model code to map the internal workings of ASP, covering HTTP, IIS, ISAPI, active scripting, state management, and COM objects. Fundamental Design Solutions for SOAP/WSDL and RESTful Web Services Windows PowerShell Unleashed

Activiti in Action ASP Internals Biodamage and Biodegradation of Polymeric Materials A soup-to-nuts guide for messaging administrators Exchange Server is the world's leading e-mail server software. Windows 7 and Server 2008 R2 have made changes that messaging administrators need to know and understand in their daily work with Exchange Server. This Sybex guide focuses on the skills, concepts, technologies, and potential pitfalls that admins in the trenches need to understand. It also provides the information they need to earn MCITP certification. Updates in Exchange Server, the world's leading e-mail server software, require messaging administrators to update their knowledge in order to provide the best possible e-mail solutions highly focused and comprehensive, this guide teaches you to design a highly available e-mail messaging server, install and configure Exchange Server 2010, work with recipients, groups and mailboxes, configure public folders, secure Exchange, and more CD includevide walkthroughs of more difficult tasks, practice exams, and electronic flashcards. Exchange Server 2010 Administration offers real-world knowledge that messaging admins need every day and helps prepare candidates for the MCITP certification exam. CD-ROM/DVD and other supplementary materials are not included as part of the e-book file, but are available for download after purchase.

System Center Operations Manager 2010 Unleashed! joins Sams' market-leading series of books on Microsoft's System Center product suite: books that have achieved go-to status amongst IT implementers and administrators worldwide. The book provides coverage of planning, installation, and migration; configuration; and much more --

Windows Server 2008 R2 Unleashed is the most comprehensive and realistic guide to planning, design, prototyping, implementation, migration, administration, and support. Based on the authors' unsurpassed experience working with Windows Server 2008 R2 since its earliest alpha releases, it offers indispensable guidance drawn from hundreds of production environments. Microsoft MVP Rand Morimoto and his colleagues systematically introduce Windows Server 2008 R2 to IT professionals, identifying R2's most crucial enhancements and walking through every step of installation and configuration. Next, they present comprehensive coverage of every area of Windows Server 2008 R2, including Active Directory, networking services, security, R2 migration from Windows Server 2003 and 2008, administration, fault tolerance, optimization and troubleshooting, core application services, and more. The authors thoroughly address major Windows Server 2008 R2 updates and present detailed information on how to Plan and migrate from Windows Server 2003/2008 to Windows Server 2008 R2 and use R2's new server migration tools Manage Active Directory with Active Directory Administrative Center, Best Practice Analyzer, and PowerShell scripts Use R2's updated security tools and templates to lock down servers, clients, and networks Maximize availability with Windows Server 2008 R2 clustering, fault tolerance, and replication Streamline client management with new Group Policy ADMX settings and management tools Improve remote access using DirectAccess, Remote Desktop Services (formerly Terminal Services), and Virtual Desktop Infrastructure Implement Hyper-V virtualization including the built-in Live Migration technology Leverage add-ons such as Windows SharePoint Services, Windows Media Services, and IIS 7.5

Microsoft BizTalk Server 2010 Unleashed is the 100% new, 100% practical developer's guide to Microsoft's most powerful version of BizTalk Server. Written by an expert team of Microsoft insiders and BizTalk MVPs, it reflects unsurpassed experience with all phases of BizTalk enterprise solutions development, from planning through deployment and administration. The authors begin by introducing BizTalk Server's architecture and key integration concepts. Next, they offer in-depth coverage of BizTalk's foundational features, including schemas, maps, orchestrations, and pipelines. You'll learn how to effectively utilize both standard and custom BizTalk services, including leveraging cloud computing via Windows Azure; implement operational BI solutions; and make the most of business rules and BizTalk's Business Rules Engine (BRE). The authors offer best practices and "in the trenches" tips for everything from managing deployments through implementing state-of-the-art mobile RFID solutions. No other book offers this much useful, pragmatic, and tested knowledge for successful BizTalk development. Brian Liesgen is a Principal Architect Evangelist on Microsoft's Azure ISV team. A six-time Microsoft MVP, he has extensive experience in building advanced enterprise, ESB, and SOA solutions. He has coauthored eight books, including SOA with .NET and Windows Azure. Charles Young, a principal consultant at Solidsoft, and Jan Eriksen, an IT architect at Logica, have each been honored repeatedly as BizTalk MVPs, and are highly respected bloggers in the BizTalk community. Scott Colestock, chief architect for Trace Ventures, specializes in using BizTalk to implement integration and service orchestration solutions. He is a member of Microsoft's Architectural Advisory Board and a BizTalk MVP. Anush Kumar, CTO of S3Edge, served as Microsoft's RFID business leader and was heavily involved in designing and architecting its BizTalk RFID offerings. Jon Flanders is an independent consultant, instructor for Pluralsight, BizTalk MVP, and author of RESTful .NET Apply BizTalk Server's sophisticated, scalable message exchange model to support virtually any business requirement Get your schemas right the first time, so you can avoid major problems downstream Use BizTalk Mapper to create maps for transforming inbound and outbound XML messages and supporting business processes Use orchestration to automate even highly-complex processes Utilize adapters and WCF to integrate any application, service, or 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 Efficiently manage, configure, and troubleshoot BizTalk through the Administration Console Create RFID applications ranging from simple label printing to end-to-end business processes

Microsoft BizTalk Server 2010 Unleashed Executable business processes in BPMN 2.0

Microsoft System Center 2012 Unleashed Mastering Active Directory for Windows Server 2008

Beginning ASP.NET 4.5 Databases Windows Server 2008 R2 Unleashed

"Business analysis involves understanding how organizations function to accomplish their purposes and defining the capabilities an organization requires to provide products and services to external stakeholders. ... [This guide contains] a framework that describes the business analysis tasks that must be performed in order to understand how a solution will deliver value to the sponsoring organization." - page 3.

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 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, IPv, 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 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, you'll be delivered you a free Web Edition of the 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.

Provides information on building Web services using the RESTful architecture and the components of the .NET 3.5 framework Presents a guide to the newest version of Microsoft System Center, providing instructions and tips on asset management, security reporting, and data protection within managed environments for data centers and cloud environments.

A Guide to the Business Analysis Body of Knowledge ASP.NET Core 5 for Beginners

Practical Guidance for Meaningful Business Results Windows Server 2016 Unleashed (Includes Content Update Program)

SOA with .NET and Windows Azure Learn how to build web applications efficiently using ASP.NET Core 5 with the C# programming language and related frameworks Key FeaturesBuild web apps and services and cross-platform applications using .NET and C#Understand different web programming concepts with the help of real-world examplesExplore the new features and APIs in ASP.NET Core 5, EF Core, Visual Studio, and BlazorBook Description ASP.NET Core 5 for Beginners is a comprehensive introduction for those who are new to the framework. This condensed guide takes a practical and engaging approach to cover everything that you need to know to start using ASP.NET Core for building cloud-ready, modern web applications. The book starts with a brief introduction to the ASP.NET Core framework and highlights the new features in its latest release, ASP.NET Core 5. It then covers the improvements in cross-platform support, the view engines that will help you to understand web development, and the new front-end technologies available with Blazor for building interactive web UIs. As you advance, you'll learn the fundamentals of the different frameworks and capabilities that ship with ASP.NET Core. You'll also get to grips with securing web apps with identity implementation, unit testing, and the latest in containers and cloud-native to deploy them to AWS and Microsoft Azure. Throughout the book, you'll find clear and concise code samples that illustrate each concept along with the strategies and techniques that will help to develop scalable and robust web apps. By the end of this book, you'll have learned how to leverage ASP.NET Core 5 to build and deploy dynamic websites and services in a variety of real-world scenarios. What you will learnExplore the new features and APIs introduced in ASP.NET Core 5 and BlazorPut basic ASP.NET Core 5 concepts into practice with the help of clear and simple samplesWork with Entity Framework Core and its different workflows to implement your application's data accessDiscover the different web frameworks that ASP.NET Core 5 offers for building web appsGet to grips with the basics of building RESTful web APIs to work with real dataDeploy your web apps in AWS, Azure, and Docker containersWork with SignalR to add real-time notifications to your appWho this book is for This book is for developers who want to learn how to develop web-based applications using the ASP.NET Core framework. Familiarity with the C# language and a basic understanding of HTML and CSS is required to get the most out of this book.

Written for IT and business professionals, this book provides the technical and business insight needed to plan, deploy and manage the services provided by the Microsoft Azure cloud. Find out how to integrate the infrastructure-as-a-service (IaaS) and platform-as-a-service (PaaS) models with your existing business infrastructure while maximizing availability, ensuring continuity and safety of your data, and keeping costs to a minimum. The book starts with an introduction to Microsoft Azure and how it differs from Azure 365—Microsoft's 'other' cloud. You'll also get a useful overview of the services available. Part II then takes you through setting up your Azure account, and gets you up and running on some of the core Azure services, including creating web sites and virtual machines, and choosing between fully cloud-based and hybrid storage solutions, depending on your needs. Part III now takes an in-depth look at how to integrate Azure with your existing infrastructure. The authors, Anthony Puca, Mike Manning, Brent Rush, Marshall Copeland and Julian Soh, bring their depth of experience in cloud technology and customer support to guide you through the whole process, through each layer of your infrastructure from networking to operations. High availability and disaster recovery are the topics on everyone's minds when considering a move to the cloud, and this book provides key insights and step-by-step guidance to help you set up and manage your resources correctly to optimize for these scenarios. You'll also get expert advice on migrating your existing VMs to Azure using InMage, mail-in and the best 3rd party tools available, helping you ensure continuity of service with minimum disruption to the business. In the book's final chapters, you'll find cutting edge examples of cloud technology in action, from machine learning to business intelligence, for a taste of some exciting ways your business could benefit from your new Microsoft Azure deployment.

BizTalk 2006 adds incremental value to BizTalk 2004 by improving administration, deployment, and other key areas of the product. Built upon .NET, this server product is Microsoft's strategy to capture market share within the enterprise integration space, and is the fastest growing integration product. What this means is a doubling of previous market share for Microsoft, and the dramatic growth of BizTalk 2006 based integration architects, developers and administrators. Offering more than 170 problem-solving recipes for BizTalk developers and administrators, the book draws on the expertise of many of the most prominent authorities in the field.

The Ultimate Guide for Designing and Governing Web Service Contracts For web services to succeed as part of SOA, they require balanced, effective technical contracts that enable services to be evolved and repeatedly reused for years to come. Now, a team of industry experts presents the first end-to-end guide to designing and governing Web service contracts. Writing for developers, architects, governance specialists, and other IT professionals, the authors cover the following areas: Understanding Web Service Contract Technologies Fundamental and Advanced WSDL Fundamental and Advanced XML Schema Fundamental and Advanced WS-Policy Fundamental and Advanced WS-Addressing Advanced Message Design with WS-Addressing Advanced Message Design with MTOM, and SWA

A Problem-Solution Approach Essential SharePoint 2013 Microsoft Visual Studio 2015 Unleashed

(MCTS) Microsoft BizTalk Server (70-595) Certification and Assessment Guide: Second Edition BizTalk 2006 Recipes

Advice from the Trenches *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. Provides users with the information they need to leverage all of the capabilities provided in the System Center suite. - Written by System Center experts who have implemented the entire suite of products in some of the largest enterprises in the world. -Packed with tips, tricks, shortcuts, and examples. -Only book that covers the entire System Center Suite and the interoperability of the products as a unified strategy for Microsoft systems management. Microsoft System Center Enterprise Suite Unleashed is written by System Center experts who have implemented the entire suite of products in some of the largest enterprises in the world to some of the smallest and most automated and efficient small business IT operations around. When planned, designed, and implemented properly, System Center can streamline and automate multiple business processes, improve systems management, and decrease overall costs of operations. It will cover the planning, design, implementation, integration, administration, and best practice support of the entire System Center suite. Being a 'suite' book, each chapter will not only cover the components within the product, but how the product links and integrates with the other System Center products to produce a highly efficient managed environment.*

Find all the information you need to manage and maintain Active Directory in Mastering Active Directory for Windows Server 2008, an in-depth guide updated with over 300 pages of new material. Revised to address the new components, enhancements, and capabilities brought by Windows Server 2008 to the directory services, this book covers domain name system design, Active Directory forest and domain design, maintaining organizational units, managing group policy, implementing best practices, and more. Expect high-level coverage of the new version of Microsoft's powerful user authentication and authorization tool, fully updated for Windows Server 2008.

Summary Activiti in Action is a comprehensive tutorial designed to introduce developers to the world of business process modeling using Activiti. Before diving into the nuts and bolts of Activiti, this book presents a solid introduction to BPMN 2.0 from a developer's perspective. About the Technology Activiti streamlines the implementation of your business processes: with Activiti Designer you draw your business process using BPMN. Its XML output goes to the Activiti Engine which then creates the web forms and performs the communications that implement your process. It's as simple as that. Activiti is lightweight, integrates seamlessly with standard frameworks, and includes easy-to-use design and management tools. About the Book Activiti in Action introduces developers to business process modeling and discovers multiple opportunities to leverage its .NET 4.6 platform and language improvements. By focusing entirely on Visual Studio 2015 Professional, the authors go deeper into Microsoft's core product than ever before. You'll find expert coverage of everything from debugging through deploying to Azure, IDE extension and automation through cross-platform mobile 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... Master Visual Studio 2015's updated interface and key tools: Solutions, Projects, Browsers, Explorers, Editors, and Designers to improve productivity Develop robust cross-platform mobile apps for Windows, iOS, and Android using Apache Cordova templates for Visual Studio Use the new ASP.NET 5 to build modern web solutions that run on Windows, Mac, or Linux/develop Single Page Applications (SPAs) based on HTML5 and rich client-side JavaScript frameworks such as Knockout, AngularJS, Bootstrap, and more Accelerate cloud development with the Azure SDK, QuickStart templates, and Azure management portal Create mobile service solutions using ASP.NET Web API and WCF Streamline data development across multiple platforms with Entity Framework 7 Develop modern Microsoft Office business applications Perform robust, automated unit testing as you code, increasing your confidence in changes and refactoring Extend the VS 2015 IDE and Code Editor by creating custom, productivity-enhancing solutions Download all examples and source code presented in this book from informit.com/title/9780672337369 as they become available.

Provides information on the design, implementation, migration, and administration of a Microsoft Exchange Server environment. Web services have been used for many years. In this time, developers and architects have encountered a number of recurring design challenges related to their usage, and have learned that certain service design approaches work better than others to solve certain problems. In Service Design Patterns, Rob Daigneau codifies proven design solutions for web services that follow the REST architectural style or leverage the SOAP/WSDL specifications. This catalogue identifies the fundamental topics in web service design and lists the common design patterns for each topic. All patterns identify the context in which they may be used, explain the constituent design elements, and explore the relative strengths and trade-offs. Code examples are provided to help you better understand how the patterns work but are kept general so that you can see how the solutions may be applied to disparate technologies that will inevitably change in the years to come. This book will help readers answer the following questions: How do you create a web service API, what are the common API styles, and when should a particular style be used? How can clients become less coupled to the underlying systems used by a service? How can information about a web service be discovered? How are generic functions like authentication, validation, caching, and logging supported on the client or service? What changes to a service cause clients to break? What are the common ways to version a service? How can web services be designed to support the continuing evolution of business logic without forcing clients to constantly upgrade?

This is the most comprehensive and realistic guide to Windows Server 2012 planning, design, prototyping, implementation, migration, administration, and support. Extensively updated, it contains unsurpassed independent and objective coverage of Windows Server 2012's key innovations, including improved virtualization components, enhanced security tools, new web and management resources, and Windows 8 integration. Windows Server 2012 Unleashed reflects the authors' extraordinary experience implementing Windows Server 2012 in large-scale environments since its earliest alpha releases, reaching back more than two years prior to its official launch. Microsoft MVP Rand Morimoto and his colleagues fully address every aspect of deploying and operating Windows Server 2012, including Active Directory, networking and core application services, security, migration from Windows Server 2003/2008, administration, fault tolerance, optimization, troubleshooting, and much more. Valuable for Windows professionals at all skill levels, this book will be especially indispensable 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 information for using Windows Server 2012 to solve real business problems. Plan and migrate from Windows Server 2003 and 2008 Leverage powerful capabilities that are truly new in Windows Server 2012 Install Windows Server 2012 and the GUI-less Windows Server Core Upgrade to Windows Server 2012 Active Directory Utilize advanced AD capabilities including federated forests and identity management Plan and deploy network services, from DNS and DHCP to IPv6, IPAM, and DNS Protect systems and data with server-level security, transport-level security, and security policies Deliver true end-to-end secured anytime/anywhere access to remote/mobile clients Efficiently configure and manage users, sites, OUs, domains, and forests through Server Manager console Create more fault-tolerant environments with DFS, clustering, and Network Load Balancing Leverage major Hyper-V virtualization improvements in availability, redundancy, and guest support Manage Active Directory more efficiently with Active Directory Administrative Center, Best Practice Analyzer, and PowerShell scripts

Systematically tune, optimize, debug, and troubleshoot Windows Server 2012

"It is an in-depth, real-world, and up-to-date guide to Windows development. And in PROGRAMMING WINDOWS, FIFTH EDITION, the esteemed Windows Pioneer Award winner revises his classic text with authoritative coverage of the latest versions of the Windows operating system—once again drilling down to the essential API heart of Win32 programming. Topics include: The basics—input, output, dialog boxes An introduction to Unicode Graphics—drawing, text and fonts, bitmaps and metafiles The kernel and the printer Sound and music Dynamic-link libraries Multitasking and multithreading The Multiple-Document Interface Programming for the Internet and intranets Packed as always with definitive examples, this newest Petzold delivers the ultimate sourcebook and tutorial for Windows programmers at all levels working with Microsoft Windows 95, Windows 98, or Microsoft Windows NT. No aspiring or experienced developer can afford to be without it. An electronic version of this book is available on the companion CD. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

SQL Server Contract Design and Versioning for SOA Web Site One

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RESTful .NET Microsoft SQL Server Interview Guide System Center 2012 Operations Manager Unleashed

Windows Server 2008 Hyper-V Unleashed Powershell Gives Windows administrators immense power to automate and customize virtually any administrative task—saving time, increasing productivity, and giving you unprecedented flexibility. PowerShell 2.0 adds important new features that offer even greater control over Windows environments. Windows PowerShell Unleashed will not only give you deep mastery over PowerShell but also a greater understanding of the features being introduced in PowerShell 2.0—and show you how to use it to solve your challenges in your production environment. The authors begin by systematically illuminating PowerShell's core concepts and techniques, helping you leverage whatever

Windows scripting experience you may already have. Next, using complete, easy-to-adapt examples, they show how to use PowerShell to manage file systems, permissions, the Registry, WMI objects, Active Directory, Exchange Server, and many other elements of the Windows environment. More than half of this edition's material and examples have been updated to reflect the new features and capabilities of PowerShell 2.0. The entire new chapter on PowerShell application development, Systems Center Operations Manager 2007, and much more. Whatever Windows systems you manage, Windows PowerShell Unleashed contains the scripts and techniques you need to manage them far more effectively. Install, configure, and customize PowerShell 2.0 and master its command line interface Discover proven best practices for PowerShell scripting Make the most of PowerShell cmdlets—especially the new cmdlets included in PowerShell 2.0 Leverage PowerShell's deep .NET Framework integration Secure your scripts using code signing, execution policies, and PowerShell's built-in security Use custom script functions to manage permissions more efficiently Control the registry locally and remotely and use PowerShell's powerful new registry transactions Use PowerShell as a management interface Automate Exchange Server 2007 administrative tasks Automate the management of Microsoft's new System Center Operations Manager 2007 Preview the forthcoming Graphical PowerShell scripting environment Understand how to manage Active Directory using PowerShell Master using PowerShell with WMI Learn PowerShell 2.0 remoting

The issue of biodamages comprises a wide range of scientific and practical tasks associated with protection of raw materials and products against damage by bacteria, fungi, insects and rodents during long-term storage, production, transportation and operation. The biodegradation is used for degradation and utilization of worn-out materials and articles. This research is urgent for ecology and the struggle against environmental contamination. The biodamage problem is both scientifically complex and practically diverse. Scientifically, it is based on the knowledge of material science, biology and chemistry. The first objective of this book is to provide detailed information on the three interrelated parts: bacteria and fungi (the source of biodamages); insects and rodents (materials and products depreducers); and materials and products damaged by living organisms. The most modern data on morphology and physiology of biodegrading microorganisms are presented. The second objective of this book is to provide the reader with a systematisation of biological degradation on both natural and synthetic materials and products (plastics, textile, fibres, leather and fur, wood and so on). Problems of utilisation of polymeric wastes using microorganisms are discussed and main protection methods and technology for raw materials and semi-products against biodamages are shown. Practical recommendation for struggle against biodamage of materials by insects (moth, leather beetles, wood-fretters, cockroaches and termites) and rodents (mice and rats) are given.Since 1960 the biodamage problem received the official status as a large international and practical direction at the junction of sciences and practice of mankind and pushing efforts of various specialists. The final objective of this book is to illustrate that the problem of biodamages is very real today because it is relevant to many aspects of our everyday lives. This volume is intended to be a practical guide on biodegradation and biodegradation of polymeric materials and a

comprehensive and realistic guide to Windows Server 2012 planning, design, prototyping, implementation, migration, administration, and support. Extensively updated, it contains unsurpassed independent and objective coverage of Windows Server 2012's key innovations, including improved virtualization components, enhanced security tools, new web and management resources, and Windows 8 integration. Windows Server 2012 Unleashed reflects the authors' extraordinary experience implementing Windows Server 2012 in large-scale environments since its earliest alpha releases, reaching back more than two years prior to its official launch. Microsoft MVP Rand Morimoto and his colleagues fully address every aspect of deploying and operating Windows Server 2012, including Active Directory, networking and core application services, security, migration from Windows Server 2003/2008, administration, fault tolerance, optimization, troubleshooting, and much more. Valuable for Windows professionals at all skill levels, this book will be especially indispensable 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 information for using Windows Server 2012 to solve real business problems. Plan and migrate from Windows Server 2003 and 2008 Leverage powerful capabilities that are truly new in Windows Server 2012 Install Windows Server 2012 and the GUI-less Windows Server Core Upgrade to Windows Server 2012 Active Directory Utilize advanced AD capabilities including federated forests and identity management Plan and deploy network services, from DNS and DHCP to IPv6, IPAM, and DNS Protect systems and data with server-level security, transport-level security, and security policies Deliver true end-to-end secured anytime/anywhere access to remote/mobile clients Efficiently configure and manage users, sites, OUs, domains, and forests through Server Manager console Create more fault-tolerant environments with DFS, clustering, and Network Load Balancing Leverage major Hyper-V virtualization improvements in availability, redundancy, and guest support Manage Active Directory more efficiently with Active Directory Administrative Center, Best Practice Analyzer, and PowerShell scripts

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The issue of biodamages comprises a wide range of scientific and practical tasks associated with protection of raw materials and products against damage by bacteria, fungi, insects and rodents during long-term storage, production, transportation and operation. The biodegradation is used for degradation and utilization of worn-out materials and articles. This research is urgent for ecology and the struggle against environmental contamination. The biodamage problem is both scientifically complex and practically diverse. Scientifically, it is based on the knowledge of material science, biology and chemistry. The first objective of this book is to provide detailed information on the three interrelated parts: bacteria and fungi (the source of biodamages); insects and rodents (materials and products depreducers); and materials and products damaged by living organisms. The most modern data on morphology and physiology of biodegrading microorganisms are presented. The second objective of this book is to provide the reader with a systematisation of biological degradation on both natural and synthetic materials and products (plastics, textile, fibres, leather and fur, wood and so on). Problems of utilisation of polymeric wastes using microorganisms are discussed and main protection methods and technology for raw materials and semi-products against biodamages are shown. Practical recommendation for struggle against biodamage of materials by insects (moth, leather beetles, wood-fretters, cockroaches and termites) and rodents (mice and rats) are given.Since 1960 the biodamage problem received the official status as a large international and practical direction at the junction of sciences and practice of mankind and pushing efforts of various specialists. The final objective of this book is to illustrate that the problem of biodamages is very real today because it is relevant to many aspects of our everyday lives. This volume is intended to be a practical guide on biodegradation and biodegradation of polymeric materials and a

comprehensive and realistic guide to Windows Server 2012 planning, design, prototyping, implementation, migration, administration, and support. Extensively updated, it contains unsurpassed independent and objective coverage of Windows Server 2012's key innovations, including improved virtualization components, enhanced security tools, new web and management resources, and Windows 8 integration. Windows Server 2012 Unleashed reflects the authors' extraordinary experience implementing Windows Server 2012 in large-scale environments since its earliest alpha releases, reaching back more than two years prior to its official launch. Microsoft MVP Rand Morimoto and his colleagues fully address every aspect of deploying and operating Windows Server 2012, including Active Directory, networking and core application services, security, migration from Windows Server 2003/2008, administration, fault tolerance, optimization, troubleshooting, and much more. Valuable for Windows professionals at all skill levels, this book will be especially indispensable 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 information for using Windows Server 2012 to solve real business problems. Plan and migrate from Windows Server 2003 and 2008 Leverage powerful capabilities that are truly new in Windows Server 2012 Install Windows Server 2012 and the GUI-less Windows Server Core Upgrade to Windows Server 2012 Active Directory Utilize advanced AD capabilities including federated forests and identity management Plan and deploy network services, from DNS and DHCP to IPv6, IPAM, and DNS Protect systems and data with server-level security, transport-level security, and security policies Deliver true end-to-end secured anytime/anywhere access to remote/mobile clients Efficiently configure and manage users, sites, OUs, domains, and forests through Server Manager console Create more fault-tolerant environments with DFS, clustering, and Network Load Balancing Leverage major Hyper-V virtualization improvements in availability, redundancy, and guest support Manage Active Directory more efficiently with Active Directory Administrative Center, Best Practice Analyzer, and PowerShell scripts

Systematically tune, optimize, debug, and troubleshoot Windows Server 2012

"It is an in-depth, real-world, and up-to-date guide to Windows development. And in PROGRAMMING WINDOWS, FIFTH EDITION, the esteemed Windows Pioneer Award winner revises his classic text with authoritative coverage of the latest versions of the Windows operating system—once again drilling down to the essential API heart of Win32 programming. Topics include: The basics—input, output, dialog boxes An introduction to Unicode Graphics—drawing, text and fonts, bitmaps and metafiles The kernel and the printer Sound and music Dynamic-link libraries Multitasking and multithreading The Multiple-Document Interface Programming for the Internet and intranets Packed as always with definitive examples, this newest Petzold delivers the ultimate sourcebook and tutorial for Windows programmers at all levels working with Microsoft Windows 95, Windows 98, or Microsoft Windows NT. No aspiring or experienced developer can afford to be without it. An electronic version of this book is available on the companion CD. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

SQL Server Contract Design and Versioning for SOA Web Site One

Realizing Service-Oriented-Orientation with the Microsoft Platform Programming Windows

Mastering WCF and the Azure AppFabric Service Bus Exchange Server 2010 Administration

RESTful .NET Microsoft SQL Server Interview Guide System Center 2012 Operations Manager Unleashed

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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

Microsoft System Center Enterprise Suite Unleashed

Windows Server 2012 Unleashed

Planning, Deploying, and Managing Your Data Center in the Cloud

Beginning ASP.NET 4.5 Databases introduces you to the world of building data-driven Web sites using ASP.NET, ADO.NET and the Entity Framework using C#. Since ASP.NET developers need to access databases quickly and efficiently, this book teaches the best practices and methods to help developers achieve professional ASP.NET and database solutions. *Beginning ASP.NET 4.5 Databases* is a comprehensive introduction on how you can connect a Web site to many different data sources – not just databases – and use the data to create dynamic page content. It also shows you how to build a relational database, use SQL to communicate with it, and understand how they differ from each other. With in-depth, on-target coverage of the new data access features of .NET Framework 4.5, this book is your guide to using ASP.NET to build responsive, easy-to-update data-driven Web sites. This book will show you how to create robust, scalable, highly available and fault-tolerant solutions by learning different aspects of Solution architecture and next-generation architecture design in the Cloud environment.