

Microsoft Exchange Server 2013 Unleashed By Morimoto Rand

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.

Designed to help enterprise administrators develop real-world, job-role-specific skills—this Training Guide focuses on deploying and managing core infrastructure services in Windows Server 2012. Build hands-on expertise through a series of lessons, exercises, and suggested practices—and help maximize your performance on the job. This Microsoft Training Guide: Provides in-depth, hands-on training you take at your own pace Focuses on job-role-specific expertise for deploying and managing Windows Server 2012 core services Creates a foundation of skills which, along with on-the-job experience, can be measured by Microsoft Certification exams such as 70-410 Coverage includes: Deploying Servers and Domain Controllers Remote Management Administering Active Directory Network Administration Using Group Policy Provisioning and Managing

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Storage Deploying Hyper-V Hosts Deploying and Managing Virtualized Workloads Deploying File Servers Managing Print Services

Dive into Exchange Server 2010 and SP1—and discover how to really put your messaging solutions to work! This well-organized and in-depth reference packs all the details you need to deploy and manage Exchange 2010, including hundreds of timesaving solutions, expert tips, and workarounds. Topics include preparing for the deployment of Exchange 2010; new features of Service Pack 1; using Remote PowerShell and the Exchange Management Shell; understanding how the new Role Based Access Control (RBAC) permissions model works and how to customize it to your requirements; the new high availability model for the Exchange Store and how to approach designs for Database Availability Groups; using compliance features such as archive mailboxes, retention policies, and multi-mailbox discovery searches; the new role of the Client Access Server as the MAPI endpoint for Microsoft Outlook clients; the redesign of Outlook Web App (OWA) and the introduction of the Exchange Control Panel; and many more topics to ease the roll-out of Microsoft's latest messaging server.

Microsoft Dynamics®CRM 2016 Unleashed presents start-to-finish guidance for planning, customizing, deploying, integrating, managing, and securing every new Online and On-Premises version of Dynamics CRM 2016. Leading Dynamics

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implementer Marc Wolenik presents comprehensive coverage of configuring, customizing, and operating Dynamics to serve your organization's unique needs. He illuminates Microsoft's renewed focus on services, via the Interactive Service Hub (ISH) and advanced cross-platform mobile client support. You'll also find extensive new coverage of key enhancements including xRM, Adxstudio Portals, FieldOne, Parature, Voice of the Customer, and FantasySalesTeam gamification. In addition, this book is part of Sam's Content Update Program. As Microsoft updates features of Windows 10, sections of this book will be updated or new sections will be added to match the updates to the software. The updates will be delivered to you via a free Web Edition of this book, which can be accessed with any Internet connection. Wolenik's example-rich guidance will be invaluable to every IT professional who intends to work with Dynamics CRM 2016, regardless of her experience with Dynamics, Salesforce, or other CRM solutions. Drawing on extensive insider knowledge, he systematically explains how Dynamics CRM 2016 works, why it works that way, and how to maximize its value. You'll find proven best practices for using every significant Dynamics capability—information available in no other book. Detailed information on how to... Compare each version of Dynamics CRM 2016, make your best choice, and deploy painlessly Leverage Dynamics CRM 2016 as a complete customer engagement solution for

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all channels and devices Quickly apply capabilities that previously required extensive programming or complex workarounds Efficiently manage accounts, leads, campaigns, collateral, cases, contacts, opportunities, orders, products, quotes, invoices, teams, and more Integrate schedules, cases, contacts, and product/service information Build powerful automated workflows, processes, and complete solutions Customize product catalogs to reduce SKUs, create bundles, and define up-sells or cross-sells Capture the Voice of the Customer with powerful new survey tools Build state-of-the-art customer service dashboards Create seamless, mobile-optimized self-service web portals with Adxstudio Make CRM more fun and compelling with FantasySalesTeam games Extend Dynamics CRM 2016 with custom plug-ins and add-ons

Microsoft Exchange Server 2010 Unleashed is the ultimate guide to designing, deploying, managing, troubleshooting, and supporting any Exchange Server 2010 environment, no matter how large or complex. Drawing on their extensive experience with hundreds of enterprise Exchange Server environments--including Exchange Server 2010 early adopters--the authors thoroughly cover every stage of the Exchange Server 2010 lifecycle. They present detailed recommendations, proven tips and tricks, and step-by-step techniques for implementation and migration planning, architecture, installation,

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administration, security, monitoring, integration, availability, optimization, and much more. Rand Morimoto and his expert colleagues also offer indispensable practical guidance for making the most of Microsoft Exchange Server 2010's many enhancements--from its improved web access to its enhanced support for Unified Communications and Mobility. Use proven best practices to plan your Exchange Server 2010 implementation Architect higher-performance, lower-cost enterprise Exchange Server environments Maximize the security of your Exchange Server infrastructure, transport, and messages Migrate smoothly from Exchange Server 2003/2007 and Active Directory 2000/2003 to Exchange Server 2010 and Active Directory 2008 Utilize Microsoft Operations Manager to monitor Exchange Server 2010 Use Windows PowerShell to streamline Exchange Server management Integrate other Microsoft technologies, including SharePoint 2007 and Office Communication Server 2007 Leverage the full capabilities of the Outlook Web App (OWA) client Provide robust messaging to non-Windows and non-Outlook systems Implement Exchange Server's powerful new Database Availability Group replication feature Back up Exchange Server 2010 environments and recover quickly from a disaster Systematically optimize Exchange Server 2010 environments, including storage If you need to deploy, manage, or secure Microsoft SQL Server 2008, this is the

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complete, fast-paced, task-based reference you've been searching for. Authored by a world-class expert on SQL Server in the enterprise, this book goes far beyond the basics, taking on the complex tasks that DBAs need to make the most of Microsoft's flagship database platform. SQL Server MVP, Ross Mistry presents proven techniques for SQL Server 2008 installation, upgrades, backup/restore, data transfer, indexing, high availability, security, and much more. He draws on extensive testing in high-profile production environments to offer step-by-step solutions and powerful tips you won't find anywhere else. Every chapter begins with a section identifying SQL Server 2008's most significant new improvements, and concludes with a convenient summary of best practices. Each chapter also outlines the benefits of leveraging Windows Server 2008. Understand how to: Master DBA tips, tricks, and best practices proven in actual enterprise environments Install, upgrade or transition to SQL Server 2008. Harden and Secure an implementation. Encrypt SQL Server from an end-to-end perspective. Implement high availability—and leverage SQL Server 2008's major improvements to failover clustering and database mirroring Save time with SQL Server 2008's new policy-based management tools Performance tune and troubleshoot a SQL Server 2008 environment. Optimize application performance and manage workloads with the powerful new Resource Governor Implement

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Performance Studio, maintenance plans, Transparent Data Encryption and much more... Bonus Content: The book is based on Windows Server 2008 Step by step instructions of how to implement a failover cluster on Windows Server 2008 SQL Server PowerShell Administration Tasks Consolidate and virtualize SQL Server with Hyper-V Step by step instructions on how to install Hyper-V Proactively Monitor SQL Server with Operations Manager Install Windows Server 2008 certificates to encrypt SQL Server data Contributing Writers include: Hilary Cotter – SQL Server MVP John Welch – SQL Server MVP Marco Shaw – PowerShell MVP Maciej Pilecki – SQL Server MVP Shirmattie Seenarine – Technical Writer Microsoft Azure Essentials from Microsoft Press is a series of free ebooks designed to help you advance your technical skills with Microsoft Azure. This third ebook in the series introduces Microsoft Azure Machine Learning, a service that a developer can use to build predictive analytics models (using training datasets from a variety of data sources) and then easily deploy those models for consumption as cloud web services. The ebook presents an overview of modern data science theory and principles, the associated workflow, and then covers some of the more common machine learning algorithms in use today. It builds a variety of predictive analytics models using real world data, evaluates several different machine learning algorithms and modeling strategies, and then deploys

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the finished models as machine learning web services on Azure within a matter of minutes. The ebook also expands on a working Azure Machine Learning predictive model example to explore the types of client and server applications you can create to consume Azure Machine Learning web services. Watch Microsoft Press's blog and Twitter (@MicrosoftPress) to learn about other free ebooks in the Microsoft Azure Essentials series.

Full Color: Figures and code appear as they do in Visual Studio. Universal Windows apps are a total game-changer. You can now write once and deploy your app to any modern PC, tablet, phone, or other Windows device. Suddenly, it's quick and easy to serve new devices and form factors, sharing unified assets ranging from code to styles to user controls. It has never been easier to reach multiple-device markets! Now, the world's #1 expert on Microsoft XAML brings together all the knowledge Windows developers need to build universal apps that adapt smoothly for any device running Windows 8.1, Windows Phone 8.1, or their successors. Drawing on his unsurpassed personal experience and direct input from Microsoft's Windows and Visual Studio teams, Adam Nathan illuminates core development concepts, answers your most important questions, and candidly assesses the technology's strengths and limitations. This full-color guide walks you through every key task involved in building a universal Windows

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app: layout and input, working with the app model, using advanced controls, leveraging XAML's powerful rich media features, and much more. Detailed information on how to... Quickly build universal, localized apps that exploit the vast global scale of the Windows Store Size, position, and transform elements within layouts that gracefully adapt to different devices Handle input from touch, mouse, pen, keyboard, and any sensor Monetize apps with Windows Store sales, in-app purchases, and advertising Make the most of controls for managing content, items, text, images, media, speech, and more Create efficient 2D vector graphics and animations Use styles, templates, and visual states to redesign controls without losing functionality Bind data sources to simplify data presentation and updates Easily integrate data from apps, users, and networks Support Windows app commands: Search, Share, Print, Play, Project, Settings Use contracts to build apps that cooperate to perform complex tasks Improve the user experience even when your app isn't running

Provides information on the features, functions, and implementation of Active Directory, covering such topics as management tools, searching the AD database, and the Kerberos security protocol.

Conquer Microsoft Office 365 administration—from the inside out! Dive into Office 365 administration—and really put your systems expertise to work! This supremely organized

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reference packs hundreds of timesaving solutions, troubleshooting tips, and workarounds. Discover how the experts tackle deployment, configuration, and management—and challenge yourself to new levels of mastery. Simplify enterprise deployment with planning tools and tasks Automate Office 365 processes with Windows PowerShell Manage user identity with Active Directory and Single Sign-On Monitor and maintain the health of Office 365 with Microsoft System Center Implement Microsoft Exchange Online, SharePoint Online, and Lync Online Control variables in an Exchange Server hybrid implementation Customize and deploy Office 365 Professional Plus Explore real-world scenarios and apply insider management tips For Intermediate to Advanced IT Professionals

Presents information on the design, implementation, migration, and administration of a Microsoft Exchange Server environment.

Provides instructions on creating XML-based data collection products that can be integrated with SharePoint, covering such topics as rules and functions, Web data integration, PowerShell, permissions, and administration.

'System Center Operations Manager 2012 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 --

The bestselling guide to Exchange Server, fully updated for the newest version Microsoft Exchange Server 2013 is touted as a solution for lowering the total cost of ownership, whether deployed on-premise or in the cloud. Like the earlier editions, this comprehensive guide covers every aspect of installing, configuring, and managing this multifaceted collaboration system. It

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offers Windows systems administrators and consultants a complete tutorial and reference, ideal for anyone installing Exchange Server for the first time or those migrating from an earlier Exchange Server version. Microsoft Exchange Server 2013 is a messaging system that allows for access to e-mail, voicemail, and calendars from a variety of devices and any location, making it ideal for the enterprise. With more than 21,000 copies of earlier editions sold, this comprehensive guide offers systems administrators and consultants both a tutorial and a reference guide for installing and managing Exchange Server 2013. A team of Microsoft Certified Masters walks you step by step through planning and design, installation, administration and management, maintenance, and more. Mastering Microsoft Exchange Server 2013 is the complete reference for planning, installing, and maintaining the most popular e-mail server product available.

NOTE: This title is also available as a free eBook on the Microsoft Download Center. It is offered for sale in print format as a convenience. Get a head start evaluating Windows Server 2012 R2 - with technical insights from a Microsoft MVP and members of the Windows Server product team. Based on final Windows Server 2012 R2 release-to-manufacturing (RTM) software, this guide introduces new features and capabilities, with scenario-based advice on how the platform can meet the needs of your business. Get the high-level overview you need to begin preparing your deployment now. Coverage includes: Server virtualization and cloud solutions Availability and scalability Provisioning and storage management Security features, access, and data protection Infrastructure options Server management and automation This book is written in a Cookbook-style format and provides practical, immediately usable task-based recipes that show you how to manage and maintain your Microsoft Exchange Server

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2013 environment with Windows PowerShell 3. Each chapter of the book is written so that it can be used as a desktop reference, or it can be read from beginning to end, allowing you to build a solid foundation for building scripts in your Exchange environment. This Cookbook is for messaging professionals who want to learn how to build real-world scripts with Windows PowerShell 3 and the Exchange Management Shell. If you are a network or systems administrator responsible for managing and maintaining Exchange Server 2013 you will find this highly useful. Only basic knowledge of Exchange Server and PowerShell are required to make the most of this book.

Provides an in-depth reference to Microsoft System Center 2012 Service Manager, pairing technical information about this system with information on other products and technologies on which System Center Server Manager's features and components depend. Original.

Microsoft System Center Configuration Manager's SQL Server database contains valuable information about your users, computers, hardware, operating systems, applications, compliance status, and much more. Microsoft has provided excellent tools for extracting this information in meaningful ways, including SQL Server Reporting Services (SSRS) and SQL Server Data Tools Business Intelligence (SSDT-BI). System Center Configuration Manager Reporting Unleashed shows you how to make the most of these tools. World-renowned System Center reporting guru Garth Jones and his expert coauthors

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guide you through all facets of custom reporting with System Center. You'll walk through installing and configuring SSRS, using SQL views to find the data you need, writing SQL queries, creating basic and advanced reports, and using role-based administration to securely deliver those reports to the correct individuals. Jones brings together reliable, comprehensive, and up-to-date System Center reporting techniques you'll find in no other book or website. Using this guide, you can consistently retrieve the right information to solve immediate problems and quickly respond to management concerns. Detailed information on how to...

- Install and configure SQL SSRS for optimal System Center reporting and easier troubleshooting
- Understand the data stored in the ConfigMgr site database
- Efficiently retrieve ConfigMgr data by writing SQL queries in SQL Server Management Studio
- Learn best practices for developing and designing System Center reports
- Create report templates, customize content with report parameters, and embed charts
- Customize logos, color palettes, and other report elements for your own organization
- Construct advanced drillthroughs to provide deeper understanding
- Strengthen report security by integrating ConfigMgr role-based administration into SQL queries
- Leverage reporting to measure KPIs and gain a better understanding of your environment
- Tailor your reports to the needs of end-users or management
- Foreword by Wally Mead,

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Principal Program Manager, Cireson The only book entirely dedicated to Configuration Manager reporting, this guide complements Meyler's System Center 2012 Configuration Manager Unleashed, offering far more in-depth coverage of reporting than the single chapter in that book. Most of the content in this new guide will be equally valuable in both System Center 2016 and 2012 environments.

Expert advice for Exchange Server 2016 and Exchange Online right at your fingertips. Practical and precise, this hands-on guide with ready answers is designed for architects, administrators, engineers and others working with on-premises, online and hybrid implementations of Microsoft Exchange. If you're an IT Pro responsible for configuring, managing and maintaining Exchange Server 2016 or Exchange Online, start with this well-organized and authoritative resource. Inside, you'll find expert insights, tips, tricks and workarounds that will show you how to master Exchange Server 2016 and Exchange Online in the shortest amount of time possible. During the course of reading this book, you will master a number of complex topics, techniques, commands and functions. Topics include establishing remote sessions with Exchange Server 2016 and Exchange Online; creating mailbox-enabled user accounts; adding mailboxes to existing accounts; connecting to Exchange Online and Windows Azure using

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PowerShell; creating mail-enabled contacts; adding equipment, room and other special purpose mailboxes; moving, maintaining and repairing mailboxes; managing delivery restrictions, permissions and storage limits; managing address lists and distribution groups; configuring mail support for Outlook; customizing the Exchange Shell; configuring role-based Exchange permissions; and many more topics essential for Exchange administration. Not only will this informative training manual help you become familiar with many new ideas, it'll help you master Exchange Server 2016 and Exchange Online in the shortest amount of time possible. After completing your Exchange Server 2016 and Exchange Online journey with this in-depth guide, you will be ready to support Microsoft Exchange regardless of whether you are working in an on-premises, online or hybrid environment. As you will soon learn, Microsoft Exchange is versatile, flexible and highly customizable, allowing you to personalize the messaging system to meet your needs. Get the focused information you need to solve problems and get the job done.

Everything you need to get productive in the Cloud with Office 365 With 70 million users worldwide, Microsoft Office 365 combines the familiar Office desktop suite with cloud-based versions of Microsoft's next-generation communications and collaboration services. It offers many benefits including

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security, reliability, compatibility with other products, over-the-air updates in the cloud that don't require anything from the user, single sign on for access to everything right away, and so much more. Office 365 For Dummies offers a basic overview of cloud computing and goes on to cover Microsoft cloud solutions and the Office 365 product in a language you can understand. This includes an introduction to each component which leads into topics around using each feature in each application. Get up to speed on instant messaging Use audio, video, and web conferencing Get seamless access to the Office suite with Office Web apps Access information anywhere, anytime Office 365 is the key to office productivity — and now you can put it to use for you!

Using Visual Basic 2015, developers can build cutting-edge applications that run practically anywhere: on Windows desktops, new Windows 10 devices, in mobile and cloud environments, and beyond. Visual Basic 2015 Unleashed is the most comprehensive, practical reference to modern programming with VB 2015. Long-time Visual Basic MVP Alessandro Del Sole walks you through the latest version of the language, helping you thoroughly master its most valuable features, most powerful programming techniques, and most effective development patterns. Next, he shows how to use Visual Basic 2015 to build robust, effective software in a wide range of environments. Extensively updated for Visual Basic 2015's

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major improvements, this guide covers both Visual Basic 2015 Professional Edition for professional developers and the free Community Edition for hobbyists, novices, and students. Del Sole has added detailed coverage of building new universal Windows apps for Windows 10 and using new Visual Studio 2015 capabilities to supercharge your productivity as a developer. If you want to leverage all of VB 2015's power, this is the book you need. Detailed information on how to... Understand the Visual Studio 2015 IDE, .NET Framework 4.6 and the new .NET Core 5, and the anatomy of a VB 2015 application Debug VB applications and implement error handling and exceptions Keep your code clean and well-organized with VB 2015's new refactoring tools Master modern VB object development: namespaces, modules, structures, enums, inheritance, interfaces, generics, delegates, events, collections, iterators, and more Share Visual Basic code with Portable Class Libraries and Shared Projects Access data with LINQ and ADO.NET Entity Framework Manipulate XML documents with LINQ and XML Literals Build and deploy applications to run in the Microsoft Azure cloud Develop universal Windows apps that run on any Windows 10 device Use advanced .NET 4.6 platform capabilities, including async and parallel programming, multithreading, assemblies, reflection, and coding attributes Leverage new compiler APIs to write custom domain-specific live code analysis

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rules Test code with unit tests and TDD Deploy apps efficiently with InstallShield for Visual Studio and ClickOnce

Since Microsoft introduced System Center 2012 Configuration Manager, it has released two sets of important changes and improvements: Service Pack 1 and R2. This comprehensive reference and technical guide focuses specifically on those enhancements. It offers 300+ pages of all-new “in the trenches” guidance for applying Configuration Manager 2012’s newest features to improve user and IT productivity across all corporate, consumer, and mobile devices. An authoring team of world-class System Center consultants thoroughly cover System Center integration with Microsoft Intune and its mobile device management capabilities. They fully address Microsoft’s increased support for cross-platform devices, enhanced profiles, changes to application management, operating system deployment, as well as improvements to performance, security, usability, and mobile device management. The essential follow-up to System Center 2012 R2 Configuration Manager Unleashed , this new supplement joins Sams’ market-leading series of books on Microsoft System Center. • Use ConfigMgr 2012 R2 with Windows Intune to deliver people-centric management to any user, any device, anywhere • Simplify BYOD registration and enrollment, and enable consistent access to corporate resources • Integrate new mobile device

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management capabilities into the Configuration Manager console without service packs, hot fixes, or major releases • Provision authentication certificates for managed devices via certificate profiles • Automate repetitive software- and device-related tasks with PowerShell cmdlets • Centrally control roaming profiles, certificates, Wi-Fi profiles, and VPN configuration • Configure User Data and Profiles to manage folder redirection, offline files/folders, and roaming profiles for Windows 8.x users • Enable users to access data in Virtual Desktop Infrastructure (VDI) environments • Manage devices running OS X, UNIX, Linux, Windows Phone 8, WinRT, iOS, and Android • Understand the new cross-platform agent introduced in ConfigMgr 2012 R2 • Automate Windows setup with OSD • Prepare for, configure, install, and verify successful installation of the Windows Intune connector role • Respond to emerging challenges in mobile device management

Microsoft Exchange Server 2013 Unleashed Pearson Education

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

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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

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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, 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.

This eBook edition does not provide a DVD of Ubuntu or the upgrade kit. You can download the most current release of Ubuntu from www.ubuntu.com/download. Ubuntu Unleashed 2013 Edition is filled with unique and advanced information for everyone who wants to make the most of the Ubuntu Linux operating system. This new edition has been thoroughly revised and updated by a long-time Ubuntu community leader to reflect the exciting new Ubuntu 12.10

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(“Quantal Quetzal”) and the forthcoming Ubuntu 13.04. Former Ubuntu Forum administrator Matthew Helmke covers all you need to know about Ubuntu 12.10/13.04 installation, configuration, productivity, multimedia, development, system administration, server operations, networking, virtualization, security, DevOps, and more—including intermediate-to-advanced techniques you won’t find in any other book. Helmke presents up-to-the-minute introductions to Ubuntu’s key productivity and Web development tools, programming languages, hardware support, and more. You’ll find new or improved coverage of navigation via Unity Dash, wireless networking, VPNs, software repositories, new NoSQL database options, virtualization and cloud services, new programming languages and development tools, monitoring, troubleshooting, and more. Configure and customize the Unity desktop and make the most of the Dash Get started with multimedia and productivity applications, including LibreOffice Manage Linux services, users, and software packages Administer and run Ubuntu from the command line (with added coverage of stdin, stdout, stderr, redirection, and file comparison) Automate tasks and use shell scripting Provide secure remote access and configure a secure VPN Manage kernels and modules Administer file, print, email, proxy, LDAP, and HTTP servers (Apache or alternatives) Learn about new options for managing large numbers of servers Work with databases (both SQL and the newest NoSQL alternatives) Get started with virtualization Build a private cloud with Juju and Charms Learn the basics about popular programming languages including Python, PHP, Perl, and new alternatives such as Go and Rust

NOTE: This title is also available as a free eBook. It is offered for sale in print format as a convenience. Get a head start evaluating System Center 2012 R2 - with technical insights from

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a Microsoft MVP and members of the System Center product team. This guide introduces new features and capabilities, with scenario-based advice on how the platform can meet the needs of your business. Get the high-level overview you need to begin preparing your deployment now. Preview new features and enhancements, including: Virtual Machine Manager App Controller Configuration Manager Data Protection Manager Operations Manager Advisor Service Manager Orchestrator

Skype for Business Unleashed This is the most comprehensive, realistic, and useful guide to Skype for Business Server 2015, Microsoft's most powerful unified communications system. Four leading Microsoft unified communications consultants share in-the-trenches guidance for planning, integration, migration, deployment, administration, and more. The authors thoroughly introduce Skype for Business 2015's components and capabilities, as well as changes and improvements associated with the integration of popular Skype consumer technologies. You'll find detailed coverage of IP voice, instant messaging, conferencing, and collaboration; and expert guidance on server roles, multi-platform clients, security, and troubleshooting. Reflecting their unsurpassed experience, the authors illuminate Microsoft's new cloud-based and hybrid cloud architectures for unified communications, showing how these impact networking, security, and Active Directory. They cover SDN for unified communications; interoperation with consumer Skype and legacy video conferencing; quality optimization, mobile improvements, and much more. Throughout, the authors combine theory, step-by-step configuration instructions, and best practices from real enterprise environments. Simply put, you'll learn what works—and how it's done. Detailed Information on How To · Plan deployments, from simple to highly complex · Deploy Skype for Business Server 2015 as a

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cloud or cloud-hybrid solution · Walk step by step through installation or an in-place upgrade · Overcome “gotchas” in migrating from Lync Server 2010 or 2013 · Leverage new features available only in cloud or cloud-hybrid environments · Implement and manage Mac, mobile, Windows, browser, and virtualized clients · Establish server roles, including front end, edge, and mediation server · Make the most of Skype for Business Server 2015’s enhanced mobile experience · Manage external dependencies: network requirements, dependent services, and security infrastructure · Efficiently administer Skype for Business Server 2015 · Provide for high availability and disaster recovery · Integrate voice, telephony, and video, step by step · Avoid common mistakes, and discover expert solutions and workarounds Category: Business Applications Covers: Skype for Business User Level: Intermediate—Advanced

Using System Center 2012 Orchestrator, you can capture and document processes across your entire IT organization, establishing the automation you need to deliver advanced cloud services and self-adjusting computing resources. Authored by five leading System Center experts, this comprehensive reference and technical guide brings together all the knowledge you’ll need to architect, install, implement, integrate, and maximize the value of your own Orchestrator solutions. The authors introduce current best practices based on large-scale enterprise implementations they’ve personally led or participated in. This up-to-date guide shows how to apply Orchestrator’s major improvements to implement IT process automation in any environment, including private clouds. You’ll start with context: what Orchestrator does, how it has evolved, how it works, and essential architecture and design techniques. Next, the authors help you make crucial up-front decisions about activities, runbooks, security, and administration. Finally, you’ll find expert guidance for integrating Orchestrator with the rest of

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System Center and with Windows Azure cloud services—including advanced automated workflows that encompass both data center and cloud. Detailed information on how to... • Understand System Center 2012 Orchestrator's capabilities, evolution, architecture, and design, including SP1 improvements and R2 • Successfully install System Center 2012 Orchestrator and migrate smoothly from Opalis Integration Server 6.3 • Take full advantage of Orchestrator's advanced new runbook automation capabilities • Configure activities associated with runbook control, systems, scheduling, monitoring, files, email, notification, and data handling • Design runbooks for fault tolerance and optimal performance • Enforce strong security using roles, permissions, and auditing • Deliver integration capabilities for Operations Manager, Service Manager, Configuration Manager, Virtual Machine Manager, and Data Protection Manager • Automate end-to-end data center/ cloud workflows with integration packs and PowerShell • Create your own integration packs with Orchestrator Integration Toolkit (OIT.SDK) • Support Orchestrator 2012, troubleshoot problems, and discover the best web and third-party resources

The most comprehensive, realistic, and useful guide to Microsoft Lync Server 2013, today's leading Unified Communications system. Four expert Lync consultants and implementers bring together in-the-trenches guidance for all facets of planning, integration, deployment, and administration. The authors introduce Microsoft Lync Server 2013, outline what it can do, and review the key improvements Microsoft has made in this version. They cover every form of communication Lync Server can manage, including IP voice, instant messaging, audio/video conferencing, web conferencing, and more. You'll find expert guidance on planning infrastructure, managing day-to-day operations, server roles, multi-platform clients, security,

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troubleshooting, and much more. Microsoft Lync Server 2013 Unleashed contains a new section on Office 365 and Lync Online, a chapter covering coexistence between on-premise and Office 365 Lync deployments, and another introducing Lync online configuration and administration. Throughout, the authors combine theory, step-by-step configuration instructions, and best practices from real enterprise environments. They identify common mistakes and present proven solutions and workarounds. Simply put, they tell you what works--and show how it's done. Detailed information on how to...

- Plan for any type of deployment, from simple to highly complex--including virtualized environments
- Walk step-by-step through installation, and understand important new changes in the installation process
- Overcome obstacles to successful migration from older versions of Lync or Microsoft Office Communications Server
- Manage server roles, including Front End, Edge, Monitoring, Archiving, and Director roles
- Efficiently administer Lync Server 2013 through the Lync Server Management Shell
- Leverage Lync Server 2013's significantly improved capabilities as a PBX replacement and videoconferencing solution
- Integrate Lync with third-party video platforms, voice/video gateways, and cloud services
- Evaluate the option of providing Lync services through Microsoft Office 365 hosting
- Make the most of Lync Server 2013's dramatically upgraded web, mobile, and desktop clients

Offers information on using HTML5 to create web apps and solutions that deliver state-of-the-art media content and interactivity with new audio, video, and canvas elements.

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

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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 IIS 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

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Active Directory Administrative Center, Best Practice Analyzer, and PowerShell scripts Systematically tune, optimize, debug, and troubleshoot Windows Server 2012

Take advantage of your existing JavaScript and HTML skills to build apps for Windows 8.1 and add them to the Windows Store. It's a remarkable opportunity—and best-selling Microsoft web development author Stephen Walther will show you how to take full advantage of it. Offering the same deep insight and practical code that has made his ASP.NET Unleashed the #1 ASP.NET book of all time, Walther covers everything you need to build outstanding Windows Store apps with JavaScript and HTML5. He guides you through using Microsoft's WinJS 2.0 library to develop apps for Windows 8.1—you learn how to use JavaScript templates, controls, and data binding. You'll find in-depth coverage of everything from displaying data with a ListView control to supporting SkyDrive cloud storage, creating games to using IndexedDB and HTML5 forms. Extensively updated for the release of Windows 8.1, this book covers all of the new features of the WinJS 2.0 library such as the Repeater, SearchBox, WebView, and NavBar controls and the new WinJS Scheduler. This book has been updated with a new sample app that demonstrates how to build a Windows Store app that interacts with Windows Azure Mobile Services. If you're a web developer, Windows 8 gives you millions of new potential customers to buy your apps—and you already have many of the skills you'll need to reach them. Get this book, master the tools and techniques you don't already know—and go after that huge new market! Detailed information on how to... Get your app published in the Windows Store Use JavaScript controls such as the Tooltip, Rating, DatePicker, and FlipView controls Thoroughly master using the WinJS ListView control to display, sort, and filter data Use new controls introduced with Windows 8.1 such as the Repeater, WebView, NavBar, and

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SearchBox controls Implement Windows Search and Share contracts Use HTML5 Canvas to build arcade games Store data on the local file system, via Windows Azure Mobile Services or in IndexedDB databases Use Live Services to authenticate users, retrieve user profiles, and interact with SkyDrive Create custom WinJS controls with Page Controls Build apps that gracefully adapt to different screen resolutions and orientations Take pictures from your computer's webcam and play sounds 8.1 Apps

A guide for the XAML declarative markup language covers such topics as how to apply XAML's syntax, namespaces, and keywords; mix XAML with procedural code; and use styles, templates, and visual states to redesign controls.

Your text simplified as the essential facts to prepare you for your exams. Over 2,000 highly probable test items.

In-depth and comprehensive, this official Microsoft RESOURCE KIT delivers the information you need to plan, deploy, and administer Remote Desktop Services in Windows Server 2008 R2. You get authoritative technical guidance from those who know the technology best-leading industry experts and members of the Microsoft Desktop Virtualization Team. Coverage includes scenarios for Remote Desktop Services (formerly known as Terminal Services), virtualizing roles, setting up Remote Desktop Virtualization Host (RDVS), managing application compatibility, customizing and locking down the user experience, using Windows PowerShell for configuration and management, administering security features, deploying a farm, publishing resources, managing sessions, and other life cycle issues. In addition, the RESOURCE KIT CD

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features a fully searchable electronic version of the book, along with sample scripts, white papers, links to tools and videocasts, and other essential resources. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

Microsoft Visual Studio 2015 empowers you to write next-generation applications for any modern environment: mobile, web, cloud, universal Windows 10/8.x, database, and beyond. This end-to-end deep dive will help working developers squeeze maximum productivity out of Microsoft's powerful new toolset. The authors combine authoritative and detailed information about Microsoft's latest IDE, with extensive insights and best practices drawn from decades of development experience. Developers will quickly get comfortable with Visual Studio 2015's updated interface, master its new capabilities, leverage its extensive new support for open standards, and discover 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

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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.

Microsoft SharePoint 2013 Unleashed is the newest version of the best-selling SharePoint Unleashed series by Michael Noel and Colin Spence. Once again, Noel and Spence deliver comprehensive, real-world coverage of everything you need to know to successfully design, implement, configure and use SharePoint 2013 solutions. Leveraging their experience with hundreds of companies of all sizes and from many different industries, Noel and Spence present best practices and expert implementation and configuration methodologies, and focus on the features and tools that provide the

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most value to busy professionals. This edition adds comprehensive coverage of SharePoint 2013's most valuable and productive new features, including: Using PowerShell automation to streamline management Building virtualized SharePoint environments Strengthening authentication and security Improving user experience via the ribbon interface; new lists, libraries, and templates; and enhanced metadata Integrating with the newest versions of Microsoft Office, Exchange, SQL Server, ForeFront, and System Center Taking full advantage of key mobile and social improvements Using the newest Business Connectivity Services capabilities Improving records management/compliance, web content management, and BI And much more Noel and Spence also offer indispensable guidance on migration, UI, and data store choices, and dependencies; and present crucial infrastructure knowledge that most SharePoint guides ignore.

The #1 WPF Book--Now Updated for WPF 4.5! Thorough, authoritative coverage, practical examples, clear writing, and full-color presentation make this one of the most widely acclaimed programming books of the last decade. Windows Presentation Foundation (WPF) is the recommended technology for creating modern Windows desktop apps. Whether you want to develop traditional user interfaces or integrate 3D graphics, audio/video, animation, dynamic skinning, touch, rich document support, speech recognition, or more, WPF enables you to do so in a seamless, resolution-independent manner that scales from small tablets to large TVs. WPF 4.5 Unleashed is

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the authoritative book that covers it all, in a practical and approachable fashion, authored by WPF guru and Microsoft architect Adam Nathan. Covers everything you need to know about Extensible Application Markup Language (XAML) Examines the WPF feature areas in incredible depth: controls, layout, resources, data binding, styling, graphics, animation, and more Delves into topics that aren't covered by most books: 3D, speech, audio/video, documents, effects Shows how to create popular UI elements and leverage built-in controls such as the new Office-style Ribbon Demonstrates how to create sophisticated UI mechanisms, such as Visual Studio-like collapsible/dockable panes Explains how to create first-class custom controls for WPF Demonstrates how to create hybrid WPF software that leverages Windows Forms, DirectX, ActiveX, or other non-WPF technologies Explains how to exploit desktop features, such as Jump Lists and taskbar customizations, and the same toast notifications used by Windows Store apps

NOTE: This title is also available as a free eBook on the Microsoft Download Center. It is offered for sale in print format as a convenience. Get a head start evaluating SQL Server 2014 - guided by two experts who have worked with the technology from the earliest beta. Based on Community Technology Preview 2 (CTP2) software, this guide introduces new features and capabilities, with practical insights on how SQL Server 2014 can meet the needs of your business. Get the early, high-level overview you need to begin preparing your deployment now. Coverage includes: SQL Server 2014 Editions

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and engine enhancements Mission-critical performance enhancements Hybrid cloud enhancements Self-service Business Intelligence enhancements in Microsoft Excel Enterprise information management enhancements Big Data solutions

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