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SQL Server 2012

Databases

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Exam Ref 70-761

Querying Data with

Transact-SQL

Exam Ref 70-764

Administering a

SQL Database

Infrastructure

MCP 70-462

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Study Guide

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Inside Out

Mastering

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Exam 70-413

Designing and

Implementing a

Server

Infrastructure

Exam Ref 70-741

Networking with

Windows Server

2016 Microsoft

SharePoint 2016

Step by Step

Mastering Microsoft Exchange Server 2013 Microsoft Dynamics 365 Extensions Cookbook
Professional Microsoft SQL Server 2012 Analysis Services with MDX and DAX MCTS Windows 7 Configuration Study Guide *MCTS Guide to Microsoft SQL Server 2012 (Exam 70-432)* **Mastering Microsoft Exchange Server 2016** Professional Microsoft SQL Server 2016 Reporting Services and Mobile Reports Exam 70-411 *Administering Windows Server 2012* **Microsoft Office 365 Administration Inside Out** *Exam Ref 70-339*

Managing Microsoft SharePoint Server 2016 Professional Microsoft IIS 8 Microsoft Forefront Threat Management Gateway (TMG) Administrator's Companion Exam Ref MS-900 Microsoft 365 Fundamentals Database Administration Microsoft SharePoint Technologies Administering Windows Server 2012 R2
Mastering Windows Server 2016 MCSA Windows Server 2012 Complete Study Guide MCSA Windows Server 2016 Study Guide: Exam 70-740
Microsoft Exam 70-741 is for IT

Pros interested in enhancing their skills for the latest version of Windows Server. This exam validates skills and knowledge for configuring advanced tasks required to deploy, manage, and maintain a Windows Server 2016 infrastructure, such as fault tolerance, certificate services, and identity federation. Passing this exam along with two other exams is required for MCSA and MCSE certifications. The Exam Ref is the official study guide for Microsoft certification exam 70-741. Featuring concise, objective-by-objective reviews and strategic case scenarios and

Thought Experiments, exam candidates get professional-level preparation for the exam. The Exam Ref helps candidates maximize their performance on the exam and sharpen their job-role skills. It organizes material by the exam's objective domains Focus is on the skills measured on the exam: • Implement Domain Name System (DNS) • Implement DHCP • Implement IP Address Management (IPAM) • Implement network connectivity and remote access solutions • Implement core and distributed network solutions • Implement an advanced network

infrastructure This Microsoft Exam Ref: • Organizes its coverage by the “Skills measured” posted on the exam webpage • Features strategic, what-if scenarios to challenge you • Points to in-depth material by topic for exam candidates needing additional review • Assumes you are an IT pro looking to validate your skills in and knowledge of installing and configuring Windows Server 2016 Prepare for Microsoft Exam 70-764—and help demonstrate your real-world mastery of skills for database administration. This exam is intended for database administrators charged with

installation, maintenance, and configuration tasks. Their responsibilities also include setting up database systems, making sure those systems operate efficiently, and regularly storing, backing up, and securing data from unauthorized access. Focus on the expertise measured by these objectives: • Configure data access and auditing • Manage backup and restore of databases • Manage and monitor SQL Server instances • Manage high availability and disaster recovery This Microsoft Exam Ref: • Organizes its coverage by exam objectives • Features strategic,

what-if scenarios to challenge you • Assumes you have working knowledge of database installation, configuration, and maintenance tasks. You should also have experience with setting up database systems, ensuring those systems operate efficiently, regularly storing and backing up data, and securing data from unauthorized access. About the Exam Exam 70-764 focuses on skills and knowledge required for database administration. About Microsoft Certification Passing both Exam 70-764 and Exam 70-765 (Provisioning SQL Databases) earns

you credit toward an MCSA: SQL 2016 Database Administration certification. See full details at: microsoft.com/learning Fully updated for Windows Server 2012 R2! Designed to help enterprise administrators develop real-world, job-role-specific skills - this Training Guide focuses on core infrastructure administration for Windows Server 2012 R2. 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: Focuses on job-role-specific expertise for core infrastructure administration

tasks Fully updated for Windows Server 2012 R2, including new practices Provides in-depth, hands-on training you take at your own pace Creates a foundation of skills which, along with on-the-job experience, can be measured by Microsoft Certification exams such as 70-411 Topics include: Deploying and updating Windows Server 2012 R2 Managing account policies and service accounts Configuring name resolution Administering Active Directory Managing Group Policy application and infrastructure Configuring Group Policy settings and preferences Administering

network policies
Administering
remote access
Managing file
services Monitoring
and auditing
Windows Server
2012 R2 Prepare
for the MCSA
Windows Server
2012 exams with
this Sybex study
guide Microsoft's
new version of the
MCSA certification
for Windows Server
2012 requires
passing three
exams. This value-
priced study guide
includes more than
1,000 pages of
quality exam-prep
content, covering
100 percent of the
objective domains
of all three exams
(as well as the
Upgrade exam,
70-417). Also
includes more than
500 practice
questions. You also
have access to

three bonus exams,
electronic
flashcards, and
videos showing how
to perform the
more difficult tasks.
Both first-time
MCSA candidates
and those wishing
to upgrade from
Server 2008
certification will
benefit from this
complete test-prep
guide. Provides a
comprehensive
study guide for all
three MCSA
Windows Server
2012 exams:
70-410, 70-411, and
70-412, as well as
the Upgrade exam:
70-417 Covers
installing and
configuring
Windows Server
2012; deploying
and configuring
DNS service;
administering
Active Directory;
creating and
managing Group

Policy Objects; and
configuring server
roles and features,
Hyper-V, and core
networking services
Explains basic
networking
concepts, DHCP,
deploying and
maintaining
servers, configuring
a network policy
server
infrastructure and
high availability in
Windows Server
2012, and much
more Features real-
world scenarios,
hands-on exercises,
practice exams,
electronic
flashcards, and over
an hour of video
demonstrations
Covers all exam
objectives MCSA
Windows Server
2012 Complete
Study Guide arms
you with all the
information you
must master to
achieve MCSA

certification on Windows Server 2012. Implement, maintain, and repair SQL Server 2012 databases As the most significant update since 2008, Microsoft SQL Server 2012 boasts updates and new features that are critical to understand. Whether you manage and administer SQL Server 2012 or are planning to get your MCSA: SQL Server 2012 certification, this book is the perfect supplement to your learning and preparation. From understanding SQL Server's roles to implementing business intelligence and reporting, this practical book explores tasks

and scenarios that a working SQL Server DBA faces regularly and shows you step by step how to handle them. Includes practice exams and coverage of exam objectives for those seeking MCSA: SQL Server 2012 certification Explores the skills you'll need on the job as a SQL Server 2012 DBA Discusses designing and implementing database solutions Walks you through administering, maintaining, and securing SQL Server 2012 Addresses implementing high availability and data distribution Includes bonus videos where the author walks you through some of the more difficult tasks expected of a DBA

Featuring hands-on exercises and real-world scenarios, this resource guides you through the essentials of implementing, maintaining, and repairing SQL Server 2012 databases. This Microsoft Official Academic Course (MOAC) IT Professional curriculum prepares certification students for success every step of the way. This 70-413 Designing and Implementing a Server Infrastructure exam course is the first of a series of two exams Microsoft Certified Solutions Associates (MCSE) candidates are required to pass to gain the MCSE: Windows Server

prepared to write, and pass, your 70-462 exam and continue towards earning your MCSA and MCSE certifications. "-- Resource description page. A comprehensive and practical guide to Windows Server 2016 About This Book In-depth coverage of new features of Windows Server 2016 Gain the necessary skills and knowledge to design and implement Microsoft Server 2016 in enterprise environment Know how you can support your medium to large enterprise and leverage your experience in administering Microsoft Server 2016, A practical

guide to administering Windows server 2016 Who This Book Is For The book is targeted at System Administrators and IT professionals who would like to design and deploy Windows Server 2016 (physical and logical) Enterprise infrastructure. Previous experience of Windows Server operating systems and familiarity with networking concepts is assumed. System administrators who are upgrading or migrating to Windows Server 2016 would also find this book useful. What You Will Learn Familiarize yourself with Windows Server 2016 ideology, the core

of most datacenters running today New functions and benefits provided only by the new Windows Server 2016 Get comfortable working with Nanoserver Secure your network with new technologies in Server 2016 Harden your Windows Servers to help keep those bad guys out! Using new built-in integration for Docker with this latest release of Windows Server 2016 Virtualize your datacenter with Hyper-V In Detail Windows Server 2016 is the server operating system developed by Microsoft as part of the Windows NT family of operating systems, developed concurrently with

Windows 10. With Windows Server 2016, Microsoft has gotten us thinking outside of the box for what it means to be a system administrator, and comes with some interesting new capabilities. These are exciting times to be or to become a server administrator! This book covers all aspects of administration level tasks and activities required to gain expertise in Microsoft Windows Server 2016. You will begin by getting familiar and comfortable navigating around in the interface. Next, you will learn to install and manage Windows Server 2016 and discover some tips for adapting to the

new server management ideology that is all about centralized monitoring and configuration. You will deep dive into core Microsoft infrastructure technologies that the majority of companies are going to run on Server 2016. Core technologies such as Active Directory, DNS, DHCP, Certificate Services, File Services, and more. We will talk about networking in this new operating system, giving you a networking toolset that is useful for everyday troubleshooting and maintenance. Also discussed is the idea of Software Defined Networking. You will later walk

through different aspects of certificate administration in Windows Server 2016. Three important and crucial areas to cover in the Remote Access role -- DirectAccess, VPN, and the Web Application Proxy -- are also covered. You will then move into security functions and benefits that are available in Windows Server 2016. Also covered is the brand new and all-important Nano Server! We will incorporate PowerShell as a central platform for performing many of the functions that are discussed in this book, including a chapter dedicated to the new PowerShell 5.0.

Additionally, you will learn about the new built-in integration for Docker with this latest release of Windows Server 2016. The book ends with a discussion and information on virtualizing your datacenter with Hyper-V. By the end of this book, you will have all the ammunition required to start planning for and implementing Windows Server 2016. Style and approach This book offers a practical and wide coverage of all features of brand new Microsoft Server 2016 along with tips on daily administration tasks. Microsoft SharePoint Technologies:

Planning, Design and Implementation provides an in-depth examination of the tasks involved in planning, designing and deploying SharePoint in your enterprise. The book examines SharePoint from the user's perspective, the administrator's perspective, and the application developer's perspective and looks at how you can maximize your investment by integrating SharePoint features with Office 2003 and other enterprise applications in your environment. The authors are experienced consultants that have helped many large corporations deploy Microsoft

technologies within their enterprise. This book is filled with practical experience and knowledge gained from working with customers in the field. * Complete guide to getting the most out of your SharePoint deployments * Critical techniques for system architects to design and deploy SharePoint Technologies * Features most important issues for day to day efficient management and usage * How to customize and extend your SharePoint environment for your own needs Understand Microsoft's dramatically updated new release of its

premier toolset for business intelligence The first major update to Microsoft's state-of-the-art, complex toolset for business intelligence (BI) in years is now available and what better way to master it than with this detailed book from key members of the product's development team? If you're a database or data warehouse developer, this is the expert resource you need to build full-scale, multi-dimensional, database applications using Microsoft's new SQL Server 2012 Analysis Services and related tools. Discover how to solve real-world BI problems by leveraging a slew of powerful new

Analysis Services features and capabilities. These include the new DAX language, which is a more user-friendly version of MDX; PowerPivot, a new tool for performing simplified analysis of data; BISM, Microsoft's new Business Intelligence Semantic Model; and much more. Serves as an authoritative guide to Microsoft's new SQL Server 2012 Analysis Services BI product and is written by key members of the Microsoft Analysis Services product development team Covers SQL Server 2012 Analysis Services, a major new release with a host of powerful new features and

capabilities Topics include using the new DAX language, a simplified, more user-friendly version of MDX; PowerPivot, a new tool for performing simplified analysis of data; BISM, Microsoft's new Business Intelligence Semantic Model; and a new, yet-to-be-named BI reporting tool Explores real-world scenarios to help developers build comprehensive solutions Get thoroughly up to speed on this powerful new BI toolset with the timely and authoritative Professional Microsoft SQL Server 2012 Analysis Services with MDX. Prepare for Microsoft Exam

70-761—and help demonstrate your real-world mastery of SQL Server 2016 Transact-SQL data management, queries, and database programming. Designed for experienced IT professionals ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the MCSA level. Focus on the expertise measured by these objectives:

- Filter, sort, join, aggregate, and modify data
- Use subqueries, table expressions, grouping sets, and pivoting
- Query temporal and non-relational data, and output XML or JSON
- Create

views, user-defined functions, and stored procedures

- Implement error handling, transactions, data types, and nulls

This Microsoft Exam Ref:

- Organizes its coverage by exam objectives
- Features strategic, what-if scenarios to challenge you
- Assumes you have experience working with SQL Server as a database administrator, system engineer, or developer
- Includes downloadable sample database and code for SQL Server 2016 SP1 (or later) and Azure SQL Database

Querying Data with Transact-SQL

About the Exam

Exam 70-761 focuses on the skills and

knowledge necessary to manage and query data and to program databases with Transact-SQL in SQL Server 2016. About Microsoft Certification

Passing this exam earns you credit toward a Microsoft Certified Solutions Associate (MCSA) certification that demonstrates your mastery of essential skills for building and implementing on-premises and cloud-based databases across organizations.

Exam 70-762 (Developing SQL Databases) is also required for MCSA: SQL 2016 Database Development certification. See full details at: microsoft.com/learning Prepare for

certification in Windows 7 configuration with this all-new study guide This comprehensive book guides readers through preparation for Microsoft's brand new MCTS: Windows 7, Configuring exam (70-680). You'll find 100% coverage of all exam objectives; practical, real-world scenarios; hands-on exercises, and challenging review questions, both in the book and on the CD included with the book. Prepares you for the new exam 70-680, the Microsoft Certified Technology Specialist certification for Windows 7; Windows 7 is Microsoft's new

operating system releasing in late 2009 Shows you how to install, configure, and maintain Windows 7 for the exam Covers upgrading and migrating; deploying Windows 7; configuring hardware applications, network connectivity, access to resources, and mobile computing; monitoring and maintaining; handling backup and recovery, and more This is the ideal guide to prepare you for Microsoft's new Windows 7 certification. Conquer SQL Server 2019 administration—from the inside out Dive into SQL Server 2019 administration—and

really put your SQL Server DBA expertise to work. This supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds—all you need to plan, implement, manage, and secure SQL Server 2019 in any production environment: on-premises, cloud, or hybrid. Six experts thoroughly tour DBA capabilities available in SQL Server 2019 Database Engine, SQL Server Data Tools, SQL Server Management Studio, PowerShell, and Azure Portal. You'll find extensive new coverage of Azure SQL, big data clusters, PolyBase, data protection, automation, and more. Discover how

experts tackle today's essential tasks—and challenge yourself to new levels of mastery. Explore SQL Server 2019's toolset, including the improved SQL Server Management Studio, Azure Data Studio, and Configuration Manager Design, implement, manage, and govern on-premises, hybrid, or Azure database infrastructures. Install and configure SQL Server on Windows and Linux. Master modern maintenance and monitoring with extended events, Resource Governor, and the SQL Assessment API. Automate tasks with maintenance

plans, PowerShell, Policy-Based Management, and more. Plan and manage data recovery, including hybrid backup/restore, Azure SQL Database recovery, and geo-replication. Use availability groups for high availability and disaster recovery. Protect data with Transparent Data Encryption, Always Encrypted, new Certificate Management capabilities, and other advances. Optimize databases with SQL Server 2019's advanced performance and indexing features. Provision and operate Azure SQL Database and its managed instances. Move SQL Server workloads to Azure:

planning, testing, migration, and post-migration. Ace your preparation for Microsoft® Certification Exam 70-461 with this 2-in-1 Training Kit from Microsoft Press®. Work at your own pace through a series of lessons and practical exercises, and then assess your skills with practice tests on CD—featuring multiple, customizable testing options. Maximize your performance on the exam by learning how to: Create database objects. Work with data. Modify data. Troubleshoot and optimize queries. You also get an exam discount voucher—making this book an

exceptional value and a great career investment. Prepare for Microsoft Exam MS-900—and help demonstrate your mastery of real-world foundational knowledge about the considerations and benefits of adopting cloud services and the Software as a Service cloud model, as well as specific options and benefits of Microsoft 365 cloud service offerings. Designed for IT professionals, Exam Ref focuses on critical thinking and decision-making acumen needed for success at the Microsoft Certified Fundamentals level. Focus on the expertise measured by these objectives: Understand cloud concepts

Understand core Microsoft 365 services and concepts Understand security, compliance, privacy, and trust in Microsoft 365 Understand Microsoft 365 pricing and support This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Assumes you are a business user, IT professional, or student interested in cloud computing and technologies, including individuals planning to pursue more advanced Microsoft 365 certification. About the Exam Exam MS-900 focuses on

knowledge about benefits and considerations of using cloud services; different types of cloud services; core Microsoft 365 components; comparisons between Microsoft 365 and on-premises services; modern management concepts; Office 365 ProPlus; Microsoft 365 collaboration, mobility and analytics; Microsoft 365 security and compliance concepts; unified endpoint management; security usage scenarios and services; the Service Trust portal and Compliance manager; Microsoft 365 licensing options; pricing;

support, and service lifecycles. About Microsoft Certification Passing this exam fulfills your requirements for the Microsoft 365 Certified Fundamentals certification credential, proving that you understand Microsoft 365 options, as well as the benefits of adopting cloud services, the Software as a Service (SaaS) cloud model, and Microsoft 365 cloud services in particular. See full details at: microsoft.com/learn 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 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 The bestselling MCSA 70-470 study guide, updated for the latest exam MCSA Windows Server 2016 Study Guide is your ultimate resource for Exam 70-740. Covering 100% of all exam objectives, this study guide goes far beyond concept review with real-world scenarios containing expert insights, chapter

review questions, hands-on practice exercises while the Sybex interactive learning environment provides additional last minute review through practice exams, electronic flashcards, and searchable glossary. This new edition has been fully updated to align with the Windows Server 2016 exam, featuring authoritative coverage of installation, configuration, server roles, Hyper-V, core network services, Active Directory, Group Policy, security, remote access, disaster recovery, and more. The vast majority of servers around the world use Windows

Server, and the 2016 release includes a host of new features and updates. This study guide has been updated to prepare you for these changes so you can be confident on exam day and beyond. Study 100% of Exam 70-740 objectives Gain hands-on practice performing critical tasks Link concept to practice through real-world scenarios Access to the Sybex interactive learning environment Whether you want to sit for the exam, or simply improve your job performance, this Sybex study guide will give you the expert insight to learn the key concepts and latest updates to Windows

Server 2016. MCSA GUIDE TO MICROSOFT SQL SERVER 2012 (Exam #70-462) provides a thorough introduction to essential database administration principles and practices to prepare readers for certification and career success. Ideal for formal courses, self-study, or professional reference, this detailed text employs a lab-based approach to help users develop the core knowledge and practical skills they need to master Microsoft SQL Server administration in an enterprise environment and pass Microsoft Certified Solutions Associate Exam 70-462. The text

opens with information on the latest version of Microsoft SQL Server, offering step-by-step guidance on selecting an edition and completing initial installation and configuration. Several chapters then explore key topics such as database programming, security, performance tuning, backup and recovery, data integration, and system monitoring. Within each chapter, numerous resources and features reinforce teaching and learning, including learning objectives, summaries of key ideas, hands-on activities, discussion questions,

definitions of important terms, and case studies to provide real-world context. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Microsoft Windows Server is a multi-purpose server designed to increase reliability and flexibility of a network infrastructure. Windows Server is the paramount tool used by enterprises in their datacenter and desktop strategy. The most recent versions of Windows Server also provide both server and client virtualization. Its ubiquity in the enterprise results in the need for

networking professionals who know how to plan, design, implement, operate, and troubleshoot networks relying on Windows Server. Microsoft Learning is preparing the next round of its Windows Server Certification program with exams covering the new version of the software, Windows Server 2012. The exams and certification path change significantly from the previous version of Windows Server. This provides an opportunity for the MS line to capitalize on the dual disruption of brand-new software and brand-new certifications. MCSA GUIDE TO MICROSOFT® SQL

SERVER® 2012 (Exam #70-462), International Edition provides a thorough introduction to essential database administration principles and practices to prepare readers for certification and career success. Ideal for formal courses, self-study, or professional reference, this detailed text employs a lab-based approach to help users develop the core knowledge and practical skills they need to master Microsoft SQL Server administration in an enterprise environment and pass Microsoft Certified Solutions Associate Exam 70-462. The text opens with

information on the latest version of Microsoft SQL Server, offering step-by-step guidance on selecting an edition and completing initial installation and configuration. Several chapters then explore key topics such as database programming, security, performance tuning, backup and recovery, data integration, and system monitoring. Within each chapter, numerous resources and features reinforce teaching and learning, including learning objectives, summaries of key ideas, hands-on activities, discussion questions, definitions of

important terms, and case studies to provide real-world context. Presents lessons covering exam objectives, practice exercises, real-world scenarios, and practice exams on the accompanying CD-ROM. Conquer SQL Server 2017 administration—from the inside out Dive into SQL Server 2017 administration—and really put your SQL Server DBA expertise to work. This supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds—all you need to plan, implement, manage, and secure SQL Server 2017 in any production environment: on-premises, cloud, or

hybrid. Four SQL Server experts offer a complete tour of DBA capabilities available in SQL Server 2017 Database Engine, SQL Server Data Tools, SQL Server Management Studio, and via PowerShell. Discover how experts tackle today's essential tasks—and challenge yourself to new levels of mastery. • Install, customize, and use SQL Server 2017's key administration and development tools • Manage memory, storage, clustering, virtualization, and other components • Architect and implement database infrastructure, including IaaS, Azure SQL, and hybrid cloud

configurations • Provision SQL Server and Azure SQL databases • Secure SQL Server via encryption, row-level security, and data masking • Safeguard Azure SQL databases using platform threat protection, firewalling, and auditing • Establish SQL Server IaaS network security groups and user-defined routes • Administer SQL Server user security and permissions • Efficiently design tables using keys, data types, columns, partitioning, and views • Utilize BLOBs and external, temporal, and memory-optimized tables • Master powerful optimization

techniques involving concurrency, indexing, parallelism, and execution plans • Plan, deploy, and perform disaster recovery in traditional, cloud, and hybrid environments For Experienced SQL Server Administrators and Other Database Professionals • Your role: Intermediate-to-advanced level SQL Server database administrator, architect, developer, or performance tuning expert • Prerequisites: Basic understanding of database administration procedures Get your Web security, network perimeter security, and

application layer security gateway up and running smoothly. This indispensable, single-volume reference details the features and capabilities of Microsoft Forefront Threat Management Gateway (TMG). You'll gain the real-world insights, implementation and configuration best practices, and management practices you need for on-the-job results. Discover how to: Implement TMG integrated security features Analyze your Web and perimeter security requirements and infrastructure Plan, install, and configure TMG Implement network intrusion

prevention, proxy, caching, filtering Configure security for the Web, Microsoft Exchange Server, and SharePoint Products and Technologies Implement remote access and site-to-site VPNs Select and configure clients Monitor and troubleshoot protected systems with Network Monitor 3 and other tools Use scripting to configure systems and automate administration Plus, get a fully searchable eBook 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.

More than 80 recipes to help you leverage the various extensibility features available for Microsoft Dynamics and solve problems easily About This Book Customize, configure, and extend the vanilla features of Dynamics 365 to deliver bespoke CRM solutions fit for any organization Implement business logic using point-and-click configuration, plugins, and client-side scripts with MS Dynamics 365 Built a DevOps pipeline as well as Integrate Dynamics 365 with Azure and other platforms Who This Book Is For This book is for developers, administrators, consultants, and

power users who want to learn about best practices when extending Dynamics 365 for enterprises. You are expected to have a basic understanding of the Dynamics CRM/365 platform. What You Will Learn

Customize, configure, and extend Microsoft Dynamics 365

Create business process automation

Develop client-side extensions to add features to the Dynamics 365 user interface

Set up a security model to securely manage data with Dynamics 365

Develop and deploy clean code plugins to implement a wide range of custom behaviors

Use third-party applications, tools, and patterns to

integrate Dynamics 365 with other platforms

Integrate with Azure, Java, SSIS, PowerBI, and Octopus Deploy

Build an end-to-end DevOps pipeline for Dynamics 365

In Detail Microsoft Dynamics 365 is a powerful tool. It has many unique features that empower organisations to bridge common business challenges and technology pitfalls that would usually hinder the adoption of a CRM solution. This book sets out to enable you to harness the power of Dynamics 365 and cater to your unique circumstances. We start this book with a no-code configuration chapter and explain the schema, fields,

and forms modeling techniques. We then move on to server-side and client-side custom code extensions. Next, you will see how best to integrate Dynamics 365 in a DevOps pipeline to package and deploy your extensions to the various SDLC environments. This book also covers modern libraries and integration patterns that can be used with Dynamics 365 (Angular, 3 tiers, and many others). Finally, we end by highlighting some of the powerful extensions available.

Throughout we explain a range of design patterns and techniques that can be used to enhance your code quality; the aim is that you

will learn to write enterprise-scale quality code. Style and approach This book takes a recipe-based approach, delivering practical examples and use cases so that you can identify the best possible approach to extend your Dynamics 365 deployment and tackle your specific business problems. Stellar author team of Microsoft MVPs helps developers and administrators get the most out of Windows IIS 8 If you're a developer or administrator, you'll want to get thoroughly up to speed on Microsoft's new IIS 8 platform with this complete, in-depth reference. Prepare yourself to administer IIS 8 in not only

commercial websites and corporate intranets, but also the mass web hosting market with this expert content. The book covers common administrative tasks associated with monitoring and managing an IIS environment--and then moves well beyond, into extensibility, scripted admin, and other complex topics. The book highlights automated options outside the GUI, options that include the PowerShell provider and AppCmd tool. It explores extensibility options for developers, including ISAPI and HTTPModules. And, it delves into security protocols and high

availability/load balancing at a level of detail that is not often found in IIS books. Author team includes Microsoft MVPs and an IIS team member Covers the management and monitoring of Microsoft Internet Information Services (IIS) 8 for administrators and developers, including MOF and MOM Delves into topics not often included in IIS books, including using the PowerShell provider and AppCmd tool and other automated options, and extending IIS 8 with ISAPI or HTTPModules Explores security issues in depth, including high availability/load

balancing, and the Kerberos, NTLM, and PKI/SSL protocols Explains how to debug and troubleshoot IIS Professional Microsoft IIS 8 features a wealth of information gathered from individuals running major intranets and web hosting facilities today, making this an indispensable and real-world reference to keep on hand. "Microsoft SQL Server 2012 is a cloud-ready information platform that will help organizations unlock breakthrough insights and quickly build solutions to extend data across on-premises and public clouds, backed by mission critical confidence.

SQL Server 2012 continues the evolution and maturity of a trusted platform that continuously leads in industry-relevant and real-world application performance benchmarks. It still includes many of the same capabilities and characteristics that administrators have come to trust for over 10 years while also launching some new features that change how databases make data available across the enterprise. In this VTC course, author Mark Long will introduce you to SQL Server 2012 from an administrative viewpoint and helps prepare you for the Microsoft 70-462

Administration certification exam."-
-Resource description page. Become a proficient Microsoft Azure solutions architect Azure certifications are critical to the millions of IT professionals Microsoft has certified as MCSE and MCSA in Windows Server in the last 20 years. All of these professionals need to certify in key Azure exams to stay current and advance in their careers. Exams AZ-303 and AZ-304 are the key solutions architect exams that experienced Windows professionals will find most useful at the intermediate and advanced points of their

careers. Microsoft Azure Architect Technologies and Design Complete Study Guide Exams AZ-303 and AZ-304 covers the two critical Microsoft Azure exams that intermediate and advanced Microsoft IT professionals will need to show proficiency as their organizations move to the Azure cloud. Understand Azure Set up your Microsoft Cloud network Solve real-world problems Get the confidence to pass the exam By learning all of these things plus using the Study Guide review questions and practice exams, the reader will be ready to take the exam and perform the job with confidence. This is the eBook of the

printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. This is learning made easy! Get productive fast with SharePoint 2016, and jump in wherever you need answers: brisk lessons and colorful screen shots show you exactly what to do, step by step - and practice files help you build your skills. Fully updated for today's powerful new version of SharePoint, Microsoft SharePoint 2016 Step by Step shows you how to do all this: Customize your team site's layout, features, and apps Manage and share ideas, documents, and

data Capture and organize content into lists and libraries Automate business processes with built-in workflows Use social features to communicate and collaborate Work with SharePoint's business intelligence features Publish content using enhanced web content management Use SharePoint with Excel, Access, Outlook, and Lync And much more... Design, create and manage robust Power BI solutions to gain meaningful business insights Key Features Master all the dashboarding and reporting features of Microsoft Power BI Combine data from multiple

sources, create stunning visualizations and publish your reports across multiple platforms. A comprehensive guide with real-world use cases and examples demonstrating how you can get the best out of Microsoft Power BI. **Book Description** This book is intended for business intelligence professionals responsible for the design and development of Power BI content as well as managers, architects and administrators who oversee Power BI projects and deployments. The chapters flow from the planning of a Power BI project through the development and

distribution of content to the administration of Power BI for an organization. BI developers will learn how to create sustainable and impactful Power BI datasets, reports, and dashboards. This includes connecting to data sources, shaping and enhancing source data, and developing an analytical data model. Additionally, top report and dashboard design practices are described using features such as Bookmarks and the Power KPI visual. BI managers will learn how Power BI's tools work together such as with the On-premises data gateway and how content can be

staged and securely distributed via Apps. Additionally, both the Power BI Report Server and Power BI Premium are reviewed. By the end of this book, you will be confident in creating effective charts, tables, reports or dashboards for any kind of data using the tools and techniques in Microsoft PowerBI. What you will learn: Build efficient data retrieval and transformation processes with the Power Query M Language Design scalable, user-friendly DirectQuery and Import Data Models Develop visually rich, immersive, and interactive reports and dashboards

Maintain version control and stage deployments across development, test, and production environments
Manage and monitor the Power BI Service and the On-premises data gateway
Develop a fully on-premise solution with the Power BI Report Server
Scale up a Power BI solution via Power BI Premium capacity and migration to Azure Analysis Services or SQL Server Analysis Services
Who this book is for
Business Intelligence professionals and existing Power BI users looking to master Power BI for all their data visualization and dashboarding needs will find this book to be useful. While

understanding of the basic BI concepts is required, some exposure to Microsoft Power BI will be helpful.
Prepare for Microsoft Exam 70-339—and help demonstrate your real-world mastery of planning, configuring, and managing Microsoft SharePoint 2016 core technologies in datacenters, in the cloud, and in hybrid environments.
Designed for experienced IT pros ready to advance their status, this Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the MCSE level. Focus on the skills measured on the exam: • Design

SharePoint infrastructure • Plan authentication and security • Plan workload optimization • Plan productivity solutions • Manage search capabilities • Plan and configure cloud services • Monitor and optimize a SharePoint environment
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SharePoint and related core technologies, including Windows Server 2012 R2 or later, Internet Information Services (IIS), Microsoft SQL Server 2014 or later, Active Directory, and networking infrastructure services "This training course was created specifically for those individuals (database professionals) who install, maintain and configure as their primary job function. Any participants setting up database systems and/or responsible for efficient system operation, regular database back ups stored effectively, and securing data

from unauthorized access is also a candidate for this training course on SQL 2012."-- Resource description page. This book is for students preparing to become certified for the recent Microsoft release, Exam 70-462 Administering Microsoft SQL Server 2012 Databases exam. This exam is the second of three exams required for Microsoft Certified Solutions Associate (MCSA): SQL Server 2012 certification. The Microsoft Official Academic Course (MOAC) lessons correlate and are mapped to The Microsoft Certified Solutions Associate (MCSA) Exam 70-462

Administering Microsoft SQL Server 2012 Databases certification exam. Your students master installation and configuration, maintenance instances and databases, optimization and troubleshooting Server 2012, as well as managing data and implementation of security and high availability. This certification can broaden their career opportunities in such fields as Database Professionals who perform installation, maintenance and configuration tasks as their primary areas of responsibility. These IT

Professionals often set up database systems and are responsible for making sure those systems operate efficiently. They also make sure that the data they store is backed up regularly, stored effectively, and that the data is secure from unauthorized access. The MOAC IT Professional series is the Official from Microsoft, turn-key Workforce training program that leads to professional certification and was authored for college instructors and college students. MOAC gets instructors ready to teach and students ready for work by delivering essential resources in 5 key areas: Instructor

readiness, student software, student assessment, instruction resources, and learning validation. With the Microsoft Official Academic course program, you are getting instructional support from Microsoft; materials that are accurate and make course delivery easy. Optimize reporting and BI with Microsoft SQL Server 2016 Professional Microsoft SQL Server 2016 Reporting Services and Mobile Reports provides a comprehensive lesson in business intelligence (BI), operational reporting and Reporting Services architecture using a clear, concise

tutorial approach. You'll learn effective report solution design based upon many years of experience with successful report solutions. Improve your own reports with advanced, best-practice design, usability, query design, and filtering techniques. Expert guidance provides insight into common report types and explains where each could be made more efficient, while providing step-by-step instruction on Microsoft SQL Server 2016. All changes to the 2016 release are covered in detail, including improvements to the Visual Studio Report Designer (SQL Server Data

Tools) and Report Builder, Mobile Dashboard Designer, the new Report Portal Interface, HTML-5 Rendering, Power BI integration, Custom Parameters Pane, and more. The Microsoft SQL Server 2016 release will include significant changes. New functionality, new capabilities, re-tooled processes, and changing support require a considerable update to existing knowledge. Whether you're starting from scratch or simply upgrading, this book is an essential guide to report design and business intelligence solutions. Understand BI fundamentals and Reporting Services

architecture Learn the ingredients to a successful report design Get up to speed on Microsoft SQL Server 2016 Grasp the purpose behind common designs to optimize your reporting Microsoft SQL Server Reporting Services makes reporting faster, easier, and more powerful than ever in web, desktop and portal solutions. Compatibility with an extensive variety of data sources makes it a go-to solution for organizations across the globe. The 2016 release brings some of the biggest changes in years, and the full depth and breadth of these changes can create a serious snag in your workflow. For a

clear tutorial geared toward the working professional, Professional Microsoft SQL Server 2016 Reporting Services and Mobile Reports is the ideal guide for getting up to speed and producing successful reports. 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-premises or in the cloud. Like the earlier editions, this comprehensive guide covers every aspect of installing, configuring, and managing this

multifaceted collaboration system. It 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. A bestselling Exchange Server guide, updated for the 2016 release, Mastering Microsoft Exchange Server 2016 is the gold-standard reference for system

administrators and first-time users alike. Fully updated to align with the latest release, this expert-led guide provides comprehensive coverage and easy-to-follow tutorials for all aspects of Exchange Server installation, configuration, and management. Whether you're migrating from an earlier version or installing Exchange Server for the first time, this book gives you quick access to the answers you need. Step-by-step instructions walk you through planning and design, installation, administration and management, maintenance, and more, so you can get up to speed

quickly and get back to work. With a focus on the hands-on details, the Microsoft Certified Masters author team provides practical insight and invaluable guidance on every aspect of Exchange Server 2016, from mastering the basics to leveraging new features. Microsoft Exchange allows access to e-mail, voicemail, and calendars at any time, from almost any device. The 2016 release is designed specifically to appeal to enterprises; if you've been tasked with the implementation, this guide has the information you need. Get up to speed with the

latest changes and features. Understand server configurations, requirements, installation, and migration. Manage mailboxes, groups, connectivity, and the client access server. Troubleshoot common issues efficiently and effectively. Exchange Server 2016 shifts even more control to the user, freeing administrators to perform more critical tasks. Beefed-up architecture and more centralized functions have eased configuration and upgrades, and a robust cloud implementation is expected to draw enterprises sooner rather than later. Systems administrators need

to become familiar with the latest changes, and Mastering Microsoft Exchange Server 2016 is the ultimate reference and tutorial. Giving comprehensive, soup-to-nuts coverage of database administration, this guide is written from a platform-independent viewpoint, emphasizing best practices. SQL Server 2005 is the largest leap forward for SQL Server since its inception. With this update comes new features that will challenge even the most experienced SQL Server DBAs. Written by a team of some of the best SQL Server experts in the industry, this comprehensive

tutorial shows you how to navigate the vastly changed landscape of the SQL Server administration. Drawing on their own first-hand experiences to offer you best practices, unique tips and tricks, and useful workarounds, the authors help you handle even the most difficult SQL Server 2005 administration issues, including blocking and locking. You'll learn how to fine-tune queries you've already written, automate redundant monitoring and maintenance tasks, and use hidden tools so that you can quickly get over the learning curve of how to configure and administer SQL

Server 2005. What you will learn from this book How to use some of the more advanced concepts of installation Techniques for properly administering development features such as SQL CLR Ways to secure your SQL Server from common threats How to choose the right hardware configuration Best practices for backing up and recovering your database Step-by-step guidelines for clustering your SQL Server Who this book is for This book is for experienced developers and database administrators who plan to administer or are already

administering an SQL Server 2005 system and its business intelligence features. Wrox Professional guides are planned and written by working technologists to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job.

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