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Training Kit (Exam 70-461): Querying Microsoft SQL Server 2012 Itzik Ben-Gan 2012-11-01 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.

Exam Ref 70-764 Administering a SQL Database Infrastructure Victor Isakov 2017-09-26 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

Exam Ref 70-767 Implementing a SQL Data Warehouse Jose Chinchilla 2017-11-09 Prepare for Microsoft Exam 70-767—and help demonstrate your real-world mastery of skills for managing data warehouses. This exam is intended for Extract, Transform, Load (ETL) data warehouse developers who create business intelligence (BI) solutions. Their responsibilities include data cleansing as well as ETL and data warehouse implementation. The reader should have experience installing and implementing a Master Data Services (MDS) model, using MDS tools, and creating a Master Data Manager database and web application. The reader should understand how to design and implement ETL control flow elements and work with a SQL Service Integration Services package. Focus on the expertise measured by these objectives: • Design, and implement, and maintain a data warehouse • Extract, transform, and load data • Build data quality solutions This Microsoft Exam Ref: • Organizes its coverage by exam objectives • Features strategic, what-if scenarios to challenge you • Assumes you have working knowledge of relational database technology and incremental database extraction, as well as experience with designing ETL control flows, using and debugging SSIS packages, accessing and importing or exporting data from multiple sources, and managing a SQL data warehouse. Implementing a SQL Data Warehouse About the Exam Exam 70-767 focuses on skills and knowledge required for

working with relational database technology. About Microsoft Certification Passing this exam earns you credit toward a Microsoft Certified Professional (MCP) or Microsoft Certified Solutions Associate (MCSA) certification that demonstrates your mastery of data warehouse management Passing this exam as well as Exam 70-768 (Developing SQL Data Models) earns you credit toward a Microsoft Certified Solutions Associate (MCSA) SQL 2016 Business Intelligence (BI) Development certification. See full details at: microsoft.com/learning

Exam Ref 70-767 Implementing a SQL Data Warehouse Jose Chinchilla 2017 Prepare for Microsoft Exam 70-767 –and help demonstrate your real-world mastery of skills for managing data warehouses. This exam is intended for Extract, Transform, Load (ETL) data warehouse developers who create business intelligence (BI) solutions. Their responsibilities include data cleansing as well as ETL and data warehouse implementation. The reader should have experience installing and implementing a Master Data Services (MDS) model, using MDS tools, and creating a Master Data Manager database and web application. The reader should understand how to design and implement ETL control flow elements and work with a SQL Service Integration Services package. Focus on the expertise measured by these objectives: • Design, and implement, and maintain a data warehouse • Extract, transform, and load data • Build data quality solutions This Microsoft Exam Ref : • Organizes its coverage by exam objectives • Features strategic, what-if scenarios to challenge you • Assumes you have working knowledge of relational database technology and incremental database extraction, as well as experience with designing ETL control flows, using and debugging SSIS packages, accessing and importing or exporting data from multiple sources, and managing a SQL data warehouse. Implementing a SQL Data Warehouse About the Exam Exam 70-767 focuses on skills and knowledge required for working with relational database technology. About Microsoft Certification Passing this exam earns you credit toward a Microsoft Certified Professional (MCP) or Microsoft Certified Solutions Associate (MCSA) certification that demonstrates your mastery of data warehouse management Passing this exam as well as Exam 70-768 (Developing SQL Data Models) earns you credit toward a Microsoft Certified Solutions Associate (MCSA) SQL 2016 Business Intelligence (BI) Development certification. See full details at: microsoft.com/learning

MCSA Guide to Microsoft SQL Server 2012 (Exam 70-462) Faisal Akkawi 2013-05-30 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.

MOS Study Guide for Microsoft Word Exam MO-100 Joan Lambert

2020-05-12 Advance your proficiency with Word. And earn the credential that proves it! Demonstrate your expertise with Microsoft Word! Designed to help you practice and prepare for Microsoft Office Specialist: Word Associate (Word and Word 2019) certification, this official Study Guide delivers: • In-depth preparation for each MOS objective • Detailed procedures to help build the skills measured by the exam • Hands-on tasks to practice what you've learned • Ready-made practice files Sharpen the skills measured by these objectives: • Manage Documents • Insert and Format Text, Paragraphs, and Sections • Manage Tables and Lists • Create and Manage References • Insert and Format Graphic Elements EXAM MO-100 About the MOS: Associate Certification A Microsoft Office Specialist (MOS): Associate certification validates your hands-on competency in the correct application of the principal features of an Office product. It demonstrates that you can apply these features to complete associate-level tasks independently and are ready to enter the job market. See full details at: microsoft.com/learn Practice Files Available at: MicrosoftPressStore.com/MOSWord100/Downloads

Windows Server 2019 Inside Out Orin Thomas 2020-05-07 Conquer Windows Server 2019—from the inside out! Dive into Windows Server 2019—and really put your Windows Server expertise to work. Focusing on Windows Server 2019's most powerful and innovative features, this supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds—all you need to plan, implement, or manage Windows Server in enterprise, data center, cloud, and hybrid environments. Fully reflecting new innovations for security, hybrid cloud environments, and Hyper-Converged Infrastructure (HCI), it covers everything from cluster sets to Windows Subsystem for Linux. You'll discover how experts tackle today's essential tasks—and challenge yourself to new levels of mastery. • Optimize the full Windows Server 2019 lifecycle, from planning and configuration through rollout and administration • Leverage new configuration options including App Compatibility Features on Demand (FOD) or Desktop Experience • Ensure fast, reliable upgrades and migrations • Manage Windows servers, clients, and services through Windows Admin Center • Seamlessly deliver and administer core DNS, DHCP, file, print, storage, and Internet services • Use the Storage Migration Service to simplify storage moves and configuration at the destination • Seamlessly integrate Azure IaaS and hybrid services with Windows Server 2019 • Improve agility with advanced container technologies, including container networking and integration into Kubernetes orchestration clusters • Deliver Active Directory identity, certificate, federation, and rights management services • Protect servers, clients, VMs, assets, and users with advanced Windows Server 2019 security features, from Just Enough Administration to shielded VMs and guarded virtualization fabrics • Monitor performance, manage event logs, configure advanced auditing, and perform backup/recovery Windows Server 2019 For Experienced Windows Server Users and IT Professionals • Your role: Experienced intermediate to advanced level Windows Server user or IT professional • Prerequisites: Basic understanding of Windows Server procedures, techniques, and navigation

Exam Ref 70-778 Analyzing and Visualizing Data by Using Microsoft Power BI Daniil Maslyuk 2018-06-07 Prepare for Microsoft Exam 70-778—and help demonstrate your real-world mastery of Power BI data analysis and visualization. Designed for experienced BI professionals and data analysts 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: Consume and transform data by using Power BI Desktop Model and visualize data Configure dashboards, reports, and apps in the Power BI Service This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Assumes you have experience consuming and transforming data,

modeling and visualizing data, and configuring dashboards using Excel and Power BI

Exam Ref MD-101 Managing Modern Desktops Andrew Bettany 2019-08-05 Prepare for Microsoft Exam MD-101—and help demonstrate your real-world mastery of skills and knowledge required to manage modern Windows 10 desktops. Designed for Windows administrators, Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified Associate level. Focus on the expertise measured by these objectives: Deploy and update operating systems Manage policies and profiles Manage and protect devices Manage apps and data This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Assumes you have experience deploying, configuring, securing, managing, and monitoring devices and client applications in an enterprise environment About the Exam Exam MD-101 focuses on knowledge needed to plan and implement Windows 10 with dynamic deployment or Windows Autopilot; upgrade devices to Windows 10; manage updates and device authentication; plan and implement co-management; implement conditional access and compliance policies; configure device profiles; manage user profiles; manage Windows Defender; manage Intune device enrollment and inventory; monitor devices; deploy/update applications, and implement Mobile Application Management (MAM). About Microsoft Certification Passing this exam and Exam MD-100 Windows 10 fulfills your requirements for the Microsoft 365 Certified: Modern Desktop Administrator Associate certification credential, demonstrating your ability to install Windows 10 operating systems and deploy and manage modern desktops and devices in an enterprise environment. See full details at: microsoft.com/learn

Modernizing the Datacenter with Windows Server and Hybrid Cloud John McCabe 2019-07-24 Transform your datacenter for breakthrough flexibility, agility, and scalability! Using public, private, and hybrid cloud services, you can transform your datacenter to serve fast-changing workloads, process and analyze enormous amounts of data, and achieve unprecedented flexibility and value. In this guide, two world-renowned experts in Microsoft datacenter technology show how to effectively leverage current legacy systems as you incorporate your optimal mix of cloud services. Drawing on extensive experience implementing Microsoft cloud solutions, they walk you step-by-step through your entire transition: strategy, deployment, security, identity protection, management, PowerShell automation, and more. Two concluding chapters offer indispensable advice for maximizing datacenter efficiency and supporting future innovation. Two leading enterprise cloud and Windows Server experts show how to: Move from legacy IT models to an agile service structure Implement managed self-service, iteration-based software updates, immutable infrastructure, and other elements of a modern IT environment Plan and smoothly integrate on-premises, Azure, Azure Stack, and Hybrid Cloud components Fortify IT security now and in the future Safeguard identities via new models and tools, including Remote Credential Guard Protect the OS, on premises and in the cloud Optimize datacenter efficiency via enterprise-class virtualization and other advanced technologies Promote innovation via microservices, DevOps, and NanoServer containerization SQL Server 2019 Administration Inside Out Randolph West 2020-03-11 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

T-SQL Querying Itzik Ben-Gan 2015-02-17 T-SQL insiders help you tackle your toughest queries and query-tuning problems Squeeze maximum performance and efficiency from every T-SQL query you write or tune. Four leading experts take an in-depth look at T-SQL's internal architecture and offer advanced practical techniques for optimizing response time and resource usage. Emphasizing a correct understanding of the language and its foundations, the authors present unique solutions they have spent years developing and refining. All code and techniques are fully updated to reflect new T-SQL enhancements in Microsoft SQL Server 2014 and SQL Server 2012. Write faster, more efficient T-SQL code: Move from procedural programming to the language of sets and logic Master an efficient top-down tuning methodology Assess algorithmic complexity to predict performance Compare data aggregation techniques, including new grouping sets Efficiently perform data-analysis calculations Make the most of T-SQL's optimized bulk import tools Avoid date/time pitfalls that lead to buggy, poorly performing code Create optimized BI statistical queries without additional software Use programmable objects to accelerate queries Unlock major performance improvements with In-Memory OLTP Master useful and elegant approaches to manipulating graphs About This Book For experienced T-SQL practitioners Includes coverage updated from Inside Microsoft SQL Server 2008 T-SQL Querying and Inside Microsoft SQL Server 2008 T-SQL Programming Valuable to developers, DBAs, BI professionals, and data scientists Covers many MCSE 70-464 and MCSA/MCSE 70-461 exam topics Microsoft SQL Server 2012 T-SQL Fundamentals Itzik Ben-Gan 2012-07-15 Gain a solid understanding of T-SQL—and write better queries Master the fundamentals of Transact-SQL—and develop your own code for querying and modifying data in Microsoft SQL Server 2012. Led by a SQL Server expert, you'll learn the concepts behind T-SQL querying and programming, and then apply your knowledge with exercises in each chapter. Once you understand the logic behind T-SQL, you'll quickly learn how to write effective code—whether you're a programmer or database administrator. Discover how to: Work with programming practices unique to T-SQL Create database tables and define data integrity Query multiple tables using joins and subqueries Simplify code and improve maintainability with table expressions Implement insert, update, delete, and merge data modification strategies Tackle advanced techniques such as window functions, pivoting and grouping sets Control data consistency using isolation levels, and mitigate deadlocks and blocking Take T-SQL to the next level with programmable objects

MOS Study Guide for Microsoft Excel Exam MO-200 Joan Lambert 2020-03-30 Advance your everyday proficiency with Excel! And earn the credential that proves it! Demonstrate your expertise with Microsoft Excel! Designed to help you practice and prepare for Microsoft Office Specialist: Excel Associate (Excel and Excel 2019) certification, this official Study Guide delivers: In-depth preparation for each MOS objective Detailed procedures to help build the skills measured by the exam Hands-on tasks to practice what you've learned Ready-made practice files Sharpen the skills measured by these objectives: Manage Worksheets and Workbooks Manage Data Cells and Ranges Manage Tables and Table Data Perform Operations by Using Formulas and Functions Manage Charts About MOS A Microsoft Office Specialist (MOS) certification validates your proficiency with Microsoft Office programs, demonstrating that you can meet globally recognized performance standards. Hands-on experience with the technology is required to successfully pass Microsoft Certification exams.

Exam Ref MS-101 Microsoft 365 Mobility and Security Brian Svidergol 2019-06-17 Prepare for Microsoft Exam MS-101—and help demonstrate your real-world mastery of skills and knowledge needed to manage Microsoft 365 mobility, security, and related administration tasks. Designed for experienced IT professionals, Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified Expert level. Focus on the expertise measured by these objectives: Implement modern device services Implement Microsoft 365 security and threat management Manage Microsoft 365 governance and compliance This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Assumes you are a Microsoft 365 Enterprise Administrator who participates in evaluating, planning, migrating, deploying, and managing Microsoft 365 services About the Exam Exam MS-101 focuses on knowledge needed to implement Mobile Device Management (MDM); manage device compliance; plan for devices and apps; plan Windows 10 deployment; implement Cloud App Security (CAS), threat management, and Windows Defender Advanced Threat Protection (ATP); manage security reports and alerts; configure Data Loss Prevention (DLP); implement Azure Information Protection (AIP); and manage data governance, auditing, and eDiscovery. About Microsoft Certification Passing this exam and Exam MS-100 Microsoft 365 Identity and Services (and earning one Microsoft 365 workload administrator certification or the MCSE: Productivity certification) fulfills your requirements for the Microsoft 365 Certified: Enterprise Administrator Expert certification credential. This demonstrates your ability to evaluate, plan, migrate, deploy, and manage Microsoft 365 services. See full details at: microsoft.com/learn

Exam Ref 70-339 Managing Microsoft SharePoint Server 2016 Troy Lanphier 2016-10-10 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 This Microsoft Exam Ref: • Organizes its coverage by the “Skills measured” posted on the exam webpage • Features strategic, what-if scenarios to challenge you • Provides exam preparation tips • Points to in-depth material by topic for exam candidates needing additional review • Assumes experience planning and maintaining 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

Professional Microsoft SQL Server 2014 Integration Services Brian Knight 2014-04-17 Fill the gap between planning and doing with SSIS 2014 The 2014 release of Microsoft's SQL Server Integration Services provides enhancements for managing extraction, transformation, and load operations, plus expanded in-memory capabilities, improved disaster recovery, increased scalability, and much more. The increased functionality will streamline your ETL processes and smooth out your workflow, but the catch is that your workflow must change. New tools come with new best practices, and Professional Microsoft SQL Server 2014 Integration Services will keep you ahead of the curve. SQL Server MVP Brian Knight is the most respected name in the business, and your ultimate guide to navigating the changes to use Microsoft SQL Server Integration Services 2014 to your utmost advantage. Implement new best practices for effective use of SSIS Work through tutorials for hands-on learning of complex techniques Read case studies that illustrate the more advanced concepts Learn directly from the foremost authority on SSIS SQL Server Integration Services is a complex tool, but it's the lifeblood of your work. You need to know it inside out, and you must understand the full potential of its capabilities in order to use it effectively. You need to make sure the right architecture is in place. Professional Microsoft SQL Server 2014 Integration Services is your roadmap to understanding SSIS on a fundamental

level, and setting yourself up for success.

Exam Ref 70-774 Perform Cloud Data Science with Azure Machine Learning

Ginger Grant 2018-03-01 Prepare for Microsoft Exam 70-774—and help demonstrate your real-world mastery of performing key data science activities with Azure Machine Learning services. 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: Prepare data for analysis in Azure Machine Learning and export from Azure Machine Learning Develop machine learning models Operationalize and manage Azure Machine Learning Services Use other services for machine learning This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Assumes you are familiar with Azure data services, machine learning concepts, and common data science processes About the Exam Exam 70-774 focuses on skills and knowledge needed to prepare data for analysis with Azure Machine Learning; find key variables describing your data's behavior; develop models and identify optimal algorithms; train, validate, deploy, manage, and consume Azure Machine Learning Models; and leverage related services and APIs. About Microsoft Certification Passing this exam as well as Exam 70-773: Analyzing Big Data with Microsoft R earns your MCSA: Machine Learning certification, demonstrating your expertise in operationalizing Microsoft Azure machine learning and Big Data with R Server and SQL R Services. See full details at: microsoft.com/learning

Exam Ref Ms-500 Microsoft 365 Security Administration

Ed Fisher 2019-12-23 Direct from Microsoft, this Exam Ref is the official study guide for the new Microsoft MS-500 Microsoft 365 Security Administration certification exam. Exam Ref MS-500 Microsoft 365 Security Administration offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on specific areas of expertise modern IT professionals need to demonstrate real-world mastery of the skills and knowledge needed to secure Microsoft 365 environments. Coverage includes: Implementing and managing identity and access Implementing and managing threat protection Implementing and managing information protection Managing governance and compliance features in Microsoft 365 Microsoft Exam Ref publications stand apart from third-party study guides because they: Provide guidance from Microsoft, the creator of Microsoft certification exams Target IT professional-level exam candidates with content focused on their needs, not "one-size-fits-all" content Streamline study by organizing material according to the exam's objective domain (OD), covering one functional group and its objectives in each chapter Feature Thought Experiments to guide candidates through a set of "what if?" scenarios, and prepare them more effectively for Pro-level style exam questions Explore big picture thinking around the planning and design aspects of the IT pro's job role For more information on Exam MS-500 and the Microsoft 365 Certified: Security Administrator Associate credential, visit <https://www.microsoft.com/en-us/learning/m365-security-administrator.aspx>.

Exam Ref 70-761 Querying Data with Transact-SQL

Itzik Ben-Gan 2017-04-04 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

SQL Server 2016 Developer's Guide Dejan Sarka 2017-03-22 Get the most out of the rich development capabilities of SQL Server 2016 to build efficient database applications for your organization About This Book- Utilize the new enhancements in Transact-SQL and security features in SQL Server 2016 to build efficient database applications- Work with temporal tables to get information about data stored in the table at any point in time- A detailed guide to SQL Server 2016, introducing you to multiple new features and enhancements to improve your overall development experience Who This Book Is For This book is for database developers and solution architects who plan to use the new SQL Server 2016 features for developing efficient database applications. It is also ideal for experienced SQL Server developers who want to switch to SQL Server 2016 for its rich development capabilities. Some understanding of the basic database concepts and Transact-SQL language is assumed. What You Will Learn- Explore the new development features introduced in SQL Server 2016- Identify opportunities for In-Memory OLTP technology, significantly enhanced in SQL Server 2016- Use columnstore indexes to get significant storage and performance improvements- Extend database design solutions using temporal tables- Exchange JSON data between applications and SQL Server in a more efficient way- Migrate historical data transparently and securely to Microsoft Azure by using Stretch Database- Use the new security features to encrypt or to have more granular control over access to rows in a table- Simplify performance troubleshooting with Query Store- Discover the potential of R's integration with SQL Server In Detail Microsoft SQL Server 2016 is considered the biggest leap in the data platform history of the Microsoft, in the ongoing era of Big Data and data science. Compared to its predecessors, SQL Server 2016 offers developers a unique opportunity to leverage the advanced features and build applications that are robust, scalable, and easy to administer. This book introduces you to new features of SQL Server 2016 which will open a completely new set of possibilities for you as a developer. It prepares you for the more advanced topics by starting with a quick introduction to SQL Server 2016's new features and a recapitulation of the possibilities you may have already explored with previous versions of SQL Server. The next part introduces you to small delights in the Transact-SQL language and then switches to a completely new technology inside SQL Server - JSON support. We also take a look at the Stretch database, security enhancements, and temporal tables. The last chapters concentrate on implementing advanced topics, including Query Store, columnstore indexes, and In-Memory OLTP. You will finally be introduced to R and how to use the R language with Transact-SQL for data exploration and analysis. By the end of this book, you will have the required information to design efficient, high-performance database applications without any hassle. Style and approach This book is a detailed guide to mastering the development features offered by SQL Server 2016, with a unique learn-as-you-do approach. All the concepts are explained in a very easy-to-understand manner and are supplemented with examples to ensure that you-the developer-are able to take that next step in building more powerful, robust applications for your organization with ease.

MCSA SQL 2016 BI Development Exam Ref 2-pack

Jose Chinchilla 2017-12-01 Direct from Microsoft, these Exam Refs are the official study guides for the new Microsoft 70-767 Implementing a SQL Data Warehouse and the new Microsoft 70-768 Developing SQL Data Models certification exams. Exam Ref 70-767 Implementing a SQL Data Warehouse, the first book in this bundle (ISBN 978150936473), offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on the specific areas of expertise modern IT professionals need to successfully build modern data warehouses to support advanced business intelligence solutions. Written by Microsoft Data Platform MVP Stacia Varga, Exam Ref 70-768 Developing SQL Data Models, the second book

in this bundle (ISBN 9781509305155), offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on the specific areas of expertise modern database and business intelligence professionals need to succeed with SQL Server 2016 Analysis Services.

The Best Damn Server Virtualization Book Period Rogier Dittner 2011-04-18

Server Sprawl and escalating IT costs have managers and system administrators scrambling to find ways to cut costs and reduce Total Cost of Ownership of their physical infrastructure. Combining software applications onto a single server, even if those applications are from the same software vendor, can be dangerous and problems hard to troubleshoot. Virtualization allows you to consolidate many servers onto a single physical server reducing hardware, electrical, cooling, and administrative costs. These virtual servers run completely independent of each other so if one crashes the other are not affected. Planning and implementing a server consolidation is a complex process. This book details the requirements for such a project, includes sample forms and templates, and delivers several physical to virtual migration strategies which will save both time and costs. Readers of this book will easily be able to plan and deploy VMware, Microsoft Virtual Server, and Xen. Create a virtual network to exchange information or provide a service to other virtual machines or computers Use virtualization to support removable media such as CD or DVD optical disks Reduce server costs, administration overhead, and complexity

Exam Ref 70-768 Developing SQL Data Models Stacia Varga 2017-05-05

Prepare for Microsoft Exam 70-768—and help demonstrate your real-world mastery of Business Intelligence (BI) solutions development with SQL Server 2016 Analysis Services (SSAS), including modeling and queries. 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:

- Design a multidimensional BI semantic model
- Design a tabular BI semantic model
- Develop queries using Multidimensional Expressions (MDX) and Data Analysis Expressions (DAX)
- Configure and maintain SSAS

This Microsoft Exam Ref:

- Organizes its coverage by exam objectives
- Features strategic, what-if scenarios to challenge you
- Assumes you are a database or BI professional with experience creating models, writing MDX or DAX queries, and using SSAS

Exam Ref 70-412 Configuring Advanced Windows Server 2012 R2 Services (MCSA) J.C. Mackin 2014-03-15 Fully updated for Windows Server 2012 R2!

Prepare for Microsoft Exam 70-412—and help demonstrate your real-world mastery of advanced configuration tasks for Windows Server infrastructure. 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 or MCSE level. Focus on the expertise measured by these objectives: Configure and manage high availability Configure file and storage solutions Implement business continuity and disaster recovery Configure network services Configure the Active Directory infrastructure Configure access and information protection solutions This Microsoft Exam Ref: Organizes its coverage by objectives for Exam 70-412. Features strategic, what-if scenarios to challenge candidates. Designed for IT professionals who have real-world experience configuring Windows Server 2012 R2 services in an enterprise environment. Note: Exam 70-412 counts as credit toward MCSA and MCSE certifications

Exam Ref Dp-900 Microsoft Azure Data Fundamentals Daniel Seara

2021-02-15 Direct from Microsoft, this Exam Ref is the official study guide for the new Microsoft DP-900 Microsoft Azure Data Fundamentals certification exam. Exam Ref DP-900 Microsoft Azure Data Fundamentals offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on the specific areas of expertise modern IT professionals need to demonstrate real-world foundational knowledge of core data concepts and how they are implemented using Microsoft Azure data services. Coverage includes: Describing core data concepts Describing how to work with relational data on Azure Describing how to work with non-relational data on Azure Describing analytics

workloads on Azure Microsoft Exam Ref publications stand apart from third-party study guides because they: Provide guidance from Microsoft, the creator of Microsoft certification exams Target professional-level exam candidates with content focused on their needs, not "one-size-fits-all" content Streamline study by organizing material according to the exam's objective domain (OD), covering one functional group and its objectives in each chapter Feature Thought Experiments to guide candidates through a set of "what if?" scenarios, and prepare them more effectively for Pro-level style exam questions Explore big picture thinking around the professional's job role For more information on Exam DP-900 and the Microsoft Certified: Azure Data Fundamentals credential, visit <https://docs.microsoft.com/en-us/learn/certifications/exams/DP-900>.

Exam Ref 70-487 Developing Windows Azure and Web Services (MCSA)

William Ryan 2013-11-15 Prepare for Microsoft Exam 70-487—and help demonstrate your real-world mastery of developing Windows Azure and web services. Designed for experienced developers ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the Microsoft Specialist level. Focus on the expertise measured by these objectives: Accessing data Querying and manipulating data by using the Entity Framework Designing and implementing WCF Services Creating and consuming Web API-based services Deploying web applications and services This Microsoft Exam Ref: Organizes its coverage by exam objectives. Features strategic, what-if scenarios to challenge you.

Exam Ref 70-779 Analyzing and Visualizing Data with Microsoft Excel Chris

Sorensen 2018-06-07 Prepare for Microsoft Exam 70-779—and help demonstrate your real-world mastery of Microsoft Excel data analysis and visualization. Designed for BI professionals, data analysts, and others who analyze business data with Excel, this 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: Consume and transform data by using Microsoft Excel Model data, from building and optimizing data models through creating performance KPIs, actual and target calculations, and hierarchies Visualize data, including creating and managing PivotTables and PivotCharts, and interacting with PowerBI This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Assumes you have a strong understanding of how to use Microsoft Excel to perform data analysis

SQL Server 2017 Administration Inside Out William Assaf 2018-02-26

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

Exam Ref 70-762 Developing SQL Databases Louis Davidson 2017-01-17 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. Prepare for Microsoft Exam 70-762, *Developing SQL Databases* —and help demonstrate your real-world mastery of skills for building and implementing databases across organizations. Designed for database professionals who build and implement databases across organizations and who ensure high levels of data availability, 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:

- Design and implement database objects
- Implement programmability objects
- Manage database concurrency
- Optimize database objects and SQL infrastructure

This Microsoft Exam Ref:

- Organizes its coverage by exam objectives
- Features strategic, what-if scenarios to challenge you
- Assumes you have working knowledge of Microsoft Windows, Transact-SQL, and relational databases

About the Exam Exam 70-762 focuses on skills and knowledge for building and implementing databases across organizations and ensuring high levels of data availability. About Microsoft Certification Passing this exam earns you credit toward a Microsoft Certified Solutions Associate (MCSA) certification that demonstrates your mastery of modern database development. Exam 70-761 (*Querying Data with Transact-SQL*) is also required for MCSA: SQL 2016 Database Development. See full details at: microsoft.com/learning

MCSA SQL Server 2016 Database Development Exam Ref 2-Pack Microsoft 2017-04-13 Direct from Microsoft, this bundle contains the following two study guides at a \$15 discount: Exam Ref 70-761 *Querying Data with Transact-SQL*, 9781509304332, offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on the specific areas of expertise modern database professionals need to succeed with T-SQL database queries. Exam Ref 70-762 *Developing SQL Databases*, 9781509304912, offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on the specific areas of expertise modern database professionals need to succeed with SQL database development. These are the two exams necessary for the MCSA certification in SQL Server 2016 Database Development.

Exam 98-364 MTA Database Administration Fundamentals Microsoft Official Academic Course 2011-07-12 Students who are beginning studies in technology need a strong foundation in the basics before moving on to more advanced technology courses and certification programs. The Microsoft Technology Associate (MTA) is a new and innovative certification track designed to provide a pathway for future success in technology courses and careers. The MTA program curriculum helps instructors teach and validate fundamental technology knowledge and provides students with a foundation for their careers as well as the confidence they need to succeed in advanced studies. Through the use of MOAC MTA titles you can help ensure your students future success in and out of the classroom. *Database Administration Fundamentals* covers introductory knowledge and skills including: relational databases; core database concepts; relational database concepts; security requirements for databases and the data stored in them; database objects -- such as tables and views; graphical tools and T-SQL scripts; database queries; and stored procedures.

Training Kit (Exam 70-462) Orin Thomas 2012 Presents lessons covering exam objectives, practice exercises, real-world scenarios, and practice exams on the accompanying CD-ROM.

Exam Ref Da-100 Analyzing Data with Microsoft Power BI Daniil Maslyuk 2021-03 Direct from Microsoft, this Exam Ref is the official study guide for the new Microsoft DA-100 *Analyzing Data with Microsoft Power BI* certification exam. Exam Ref DA-100 *Analyzing Data with Microsoft Power BI* offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on specific areas of expertise modern IT professionals need to demonstrate real-world mastery of Power BI data analysis and visualization. Coverage includes:

- Preparing data: acquiring, profiling, cleaning, transforming, and loading data
- Modeling data: designing and developing data models, creating measures with

DAX, and optimizing model performance Visualizing data: creating reports and dashboards, and enriching reports for usability Analyzing data: enhancing reports to expose insights, and performing advanced analysis Deploying and maintaining deliverables: managing datasets; creating and managing workspaces Microsoft Exam Ref publications stand apart from third-party study guides because they: Provide guidance from Microsoft, the creator of Microsoft certification exams Target IT professional-level exam candidates with content focused on their needs, not "one-size-fits-all" content Streamline study by organizing material according to the exam's objective domain (OD), covering one functional group and its objectives in each chapter Feature Thought Experiments to guide candidates through a set of "what if?" scenarios, and prepare them more effectively for Pro-level style exam questions Explore big picture thinking around the planning and design aspects of the IT pro's job role For more information on Exam DA-100 and the Microsoft Certified: Data Analyst Associate credential, visit <https://docs.microsoft.com/en-us/learn/certifications/data-analyst-associate>.

Exam Ref 70-768 Developing SQL Data Models, First Edition Stacia Varga 2017 Prepare for Microsoft Exam 70-768 -and help demonstrate your real-world mastery of Business Intelligence (BI) solutions development with SQL Server 2016 Analysis Services (SSAS), including modeling and queries. 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:

- Design a multidimensional BI semantic model
- Design a tabular BI semantic model
- Develop queries using Multidimensional Expressions (MDX) and Data Analysis Expressions (DAX)
- Configure and maintain SSAS

This Microsoft Exam Ref:

- Organizes its coverage by exam objectives
- Features strategic, what-if scenarios to challenge you
- Assumes you are a database or BI professional with experience creating models, writing MDX or DAX queries, and using SSAS.

MCSA SQL 2016 Database Administration Exam Ref 2-Pack Victor Isakov 2017-12-08 Direct from Microsoft, these Exam Refs are the official study guides for the new Microsoft 70-764 *Administering a SQL Database Infrastructure* and Microsoft 70-765 *Provisioning SQL Databases* certification exams. Exam Ref 70-764 *Administering a SQL Database Infrastructure* and Exam Ref 70-765 *Provisioning SQL Databases* offer professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. Microsoft Exam Ref publications stand apart from third-party study guides because they: Provide guidance from Microsoft, the creator of Microsoft certification exams Target IT professional-level exam candidates with content focused on their needs, not "one-size-fits-all" content Streamline study by organizing material according to the exam's objective domain (OD), covering one functional group and its objectives in each chapter Feature Thought Experiments to guide candidates through a set of "what if?" scenarios, and prepare them more effectively for Pro-level style exam questions Explore big picture thinking around the planning and design aspects of the IT pro's job role For more information on this certification, visit microsoft.com/learning

Exam 70-410 Installing and Configuring Windows Server 2012 Microsoft Official Academic Course 2013-02-11 This text does not include not include a MOAC Labs Online access code. This 70-410 *Installing and Configuring Windows Server 2012* textbook prepares certification students for the first of a series of three exams which validate the skills and knowledge necessary to implement a core Windows Server 2012 Infrastructure into an existing enterprise environment. This Microsoft Official Academic Course is mapped to the 70-410 *Installing and Configuring Windows Server 2012* exam objectives. This textbook focuses on real skills for real jobs and prepares students to prove mastery of core services such as Active Directory and networking services. In addition, this book also covers such valuable skills as:

- Managing Active Directory Domain Services Objects
- Automating Active Directory Domain Services Administration
- Implementing Local Storage
- Implementing File and Print Services
- Implementing Group Policy
- Implementing Server Virtualization with Hyper-V

Exam Ref 70-740 Installation, Storage and Compute with Windows Server

2016 Craig Zacker 2017-01-17 Prepare for Microsoft Exam 70-740—and help demonstrate your real-world mastery of Windows Server 2016 installation, storage, and compute features and capabilities. 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: • Install Windows Servers in host and compute environments • Implement storage solutions • Implement Hyper-V • Implement Windows containers • Implement high availability • Maintain and monitor server environments This Microsoft Exam Ref: • Organizes its coverage by exam objectives • Features strategic, what-if scenarios to challenge you • Assumes you have experience working with Windows Server in an enterprise environment; are familiar with core networking infrastructure, topologies, architectures, and protocols; and have experience with Windows clients and virtualization About the Exam Exam 70-740 focuses on the skills and knowledge necessary to implement and configure storage and compute features and functionality in Windows Server 2016. About Microsoft Certification Passing this exam earns you credit toward a Microsoft Certified Solutions Associate (MCSA) certification that demonstrates your mastery of core Windows Server 2016 skills for reducing IT costs and delivering more business value. Exam 70-741 (Networking with Windows Server 2016) and Exam 70-742 (Identity with Windows Server

2016) are also required for MCSA: Windows Server 2016 certification. See full details at: microsoft.com/learning

Microsoft SQL Server 2012 Integration Services Reza Rad 2012-01-01 Over 100 expert recipes to design, create, and deploy SSIS packages with this book and ebook.

MCSA SQL 2016 BI Development Exam Ref 2-Pack Jose Chinchilla 2017-10-18 Direct from Microsoft, these Exam Refs are the official study guides for the new Microsoft 70-767 Implementing a SQL Data Warehouse and the new Microsoft 70-768 Developing SQL Data Models certification exams. Exam Ref 70-767 Implementing a SQL Data Warehouse , the first book in this bundle (ISBN 978150936473), offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on the specific areas of expertise modern IT professionals need to successfully build modern data warehouses to support advanced business intelligence solutions. Written by Microsoft Data Platform MVP Stacia Varga, Exam Ref 70-768 Developing SQL Data Models , the second book in this bundle (ISBN 9781509305155), offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on the specific areas of expertise modern database and business intelligence professionals need to succeed with SQL Server 2016 Analysis Services.