

Microsoft Sql Server 2012 T Fundamentals Itzik Ben Gan

Microsoft SQL Server 2012 Reporting Services T-SQL Fundamentals Professional Microsoft SQL Server 2012 Administration Microsoft SQL Server 2012 Integration Services Training Kit (Exam 70-461): Querying Microsoft SQL Server 2012 Exam 70-461 Bootcamp Microsoft SQL Server 2012. Основы T-SQL MCSA Guide to Microsoft SQL Server 2012 (Exam 70-462) Exam 70-463 Implementing a Data Warehouse with Microsoft SQL Server 2012 Beginning Microsoft SQL Server 2008 Programming T-SQL Querying Microsoft SQL Server 2008 Internals Microsoft SQL Server 2012 Unleashed Introducing Microsoft SQL Server 2014 Microsoft SQL Server 2012 Step by Step Microsoft SQL Server 2012 A Beginners Guide 5/E Microsoft SQL Server 2012 Master Data Services 2/E Microsoft SQL Server 2012 T-SQL Fundamentals MS SQL Server 2014 Microsoft SQL Server 2012 Integration Services Microsoft SQL Server 2012 Administration Programming Microsoft SQL Server 2012 Exam Ref 70-761 Querying Data with Transact-SQL Microsoft SQL Server 2012 Bible Microsoft SQL Server 2012 Pocket Consultant Microsoft SQL Server 2012 Internals Beginning Microsoft SQL Server 2012 Programming Professional Microsoft SQL Server 2008 Reporting Services Microsoft SQL Server 2012 Internals Microsoft SQL Server 2012 High-Performance T-SQL Using Window Functions Knight's Microsoft SQL Server 2012 Integration Services 24-Hour Trainer SQL Server 2012 T-SQL Recipes MCSA Querying Microsoft SQL Server 2012 (exam 70-461) Learning SQL Server Reporting Services 2012 Introducing Microsoft SQL Server 2012 Inside Microsoft SQL Server 2008 T-SQL Querying Microsoft SQL Server 2012 Unleashed SQL Server 2012 T-SQL Recipes Microsoft® SQL Server® 2008 T-SQL Fundamentals Microsoft SQL Server 2012 Administration

Microsoft SQL Server 2012 Reporting Services

Delve inside the core SQL Server engine—and put that knowledge to work—with guidance from a team of well-known internals experts. Whether database developer, architect, or administrator, you'll gain the deep knowledge you need to exploit key architectural changes—and capture the product's full potential. Discover how SQL Server works behind the scenes, including: What happens internally when SQL Server builds, expands, shrinks, and moves databases How to use event tracking—from triggers to the Extended Events Engine Why the right indexes can drastically reduce your query execution time How to transcend normal row-size limits with new storage capabilities How the Query Optimizer operates Multiple techniques for troubleshooting problematic query plans When to force SQL Server to reuse a cached query plan—or create a new one What SQL Server checks internally when running DBCC How to choose among five isolation levels and two concurrency models when working with multiple concurrent users

T-SQL Fundamentals

Harness the powerful new SQL Server 2012 Microsoft SQL Server 2012 is the most significant update to this product since 2005, and it may change how database

administrators and developers perform many aspects of their jobs. If you're a database administrator or developer, Microsoft SQL Server 2012 Bible teaches you everything you need to take full advantage of this major release. This detailed guide not only covers all the new features of SQL Server 2012, it also shows you step by step how to develop top-notch SQL Server databases and new data connections and keep your databases performing at peak. The book is crammed with specific examples, sample code, and a host of tips, workarounds, and best practices. In addition, downloadable code is available from the book's companion web site, which you can use to jumpstart your own projects. Serves as an authoritative guide to Microsoft's SQL Server 2012 for database administrators and developers Covers all the software's new features and capabilities, including SQL Azure for cloud computing, enhancements to client connectivity, and new functionality that ensures high-availability of mission-critical applications Explains major new changes to the SQL Server Business Intelligence tools, such as Integration, Reporting, and Analysis Services Demonstrates tasks both graphically and in SQL code to enhance your learning Provides source code from the companion web site, which you can use as a basis for your own projects Explores tips, smart workarounds, and best practices to help you on the job Get thoroughly up to speed on SQL Server 2012 with Microsoft SQL Server 2012 Bible.

Professional Microsoft SQL Server 2012 Administration

В книге изложены основы программирования на языке T-SQL. Вы научитесь программировать и писать запросы для Microsoft SQL Server 2012, а большое количество примеров и упражнений помогут вам начать создавать эффективный код.

Microsoft SQL Server 2012 Integration Services

Your hands-on, step-by-step guide to building applications with Microsoft SQL Server 2012 Teach yourself the programming fundamentals of SQL Server 2012—one step at a time. Ideal for beginning SQL Server database administrators and developers, this tutorial provides clear guidance and practical, learn-by-doing exercises for building database solutions that solve real-world business problems. Discover how to: Install and work with core components and tools Create tables and index structures Manipulate and retrieve data Secure, manage, back up, and recover databases Apply techniques for building high-performing applications Use clustering, database mirroring, and log shipping

Training Kit (Exam 70-461): Querying Microsoft SQL Server 2012

Portable and precise, this pocket-sized guide delivers ready answers for the day-to-day administration of SQL Server. Zero in on core support and maintenance tasks using quick-reference tables, instructions, and lists. You'll get the focused information you need to save time and get the job done—whether at your desk or in the field! Get fast facts to: Manage SQL Server services and clients Configure, manage, and tune servers Implement policy-based management Administer security and access Monitor server activity and tune performance Automate

maintenance Perform backups and recovery

Exam 70-461 Bootcamp

Buy the print version of  Microsoft SQL Server 2012 Unleashed and get the eBook version for free! eBook version includes chapters 44-60 not included in the print. See inside the book for access code and details.  With up-to-the-minute content, this is the industry's most complete, useful guide to SQL Server 2012.  You'll find start-to-finish coverage of SQL Server's core database server and management capabilities: all the real-world information, tips, guidelines, and samples you'll need to create and manage complex database solutions. The additional online chapters add extensive coverage of SQL Server Integration Services, Reporting Services, Analysis Services, T-SQL programming, .NET Framework integration, and much more.  Authored by four expert SQL Server administrators, designers, developers, architects, and consultants, this book reflects immense experience with SQL Server in production environments. Intended for intermediate-to-advanced-level SQL Server professionals, it focuses on the product's most complex and powerful capabilities, and its newest tools and features. Understand SQL Server 2012's newest features, licensing changes, and capabilities of each edition Manage SQL Server 2012 more effectively with SQL Server Management Studio, the SQLCMD command-line query tool, and Powershell Use Policy-Based Management to centrally configure and operate SQL Server Utilize the new Extended Events trace capabilities within SSMS Maximize performance by optimizing design, queries, analysis, and workload management Implement new best practices for SQL Server high availability Deploy AlwaysOn Availability Groups and Failover Cluster Instances to achieve enterprise-class availability and disaster recovery Leverage new business intelligence improvements, including Master Data Services, Data Quality Services and Parallel Data Warehouse Deliver better full-text search with SQL Server 2012's new Semantic Search Improve reporting with new SQL Server 2012 Reporting Services features Download the following from informit.com/title/9780672336928: Sample databases and code examples  

Microsoft SQL Server 2012. Основы T-SQL

Tackle the toughest set-based querying and query tuning problems—guided by an author team with in-depth, inside knowledge of T-SQL. Deepen your understanding of architecture and internals—and gain practical approaches and advanced techniques to optimize your code's performance. Discover how to: Move from procedural programming to the language of sets and logic Optimize query tuning with a top-down methodology Assess algorithmic complexity to predict performance Compare data-aggregation techniques, including new grouping sets Manage data modification—insert, delete, update, merge—for performance Write more efficient queries against partitioned tables Work with graphs, trees, hierarchies, and recursive queries Plus—Use pure-logic puzzles to sharpen your problem-solving skills

MCSA Guide to Microsoft SQL Server 2012 (Exam 70-462)

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.

Exam 70-463 Implementing a Data Warehouse with Microsoft SQL Server 2012

Dive deep inside the architecture of SQL Server 2012 Explore the core engine of Microsoft SQL Server 2012—and put that practical knowledge to work. Led by a team of SQL Server experts, you'll learn the skills you need to exploit key architectural features. Go behind the scenes to understand internal operations for creating, expanding, shrinking, and moving databases—whether you're a database developer, architect, or administrator. Discover how to: Dig into SQL Server 2012 architecture and configuration Use the right recovery model and control transaction logging Reduce query execution time through proper index design Track events, from triggers to the Extended Event Engine Examine internal structures with database console commands Transcend row-size limitations with special storage capabilities Choose the right transaction isolation level and concurrency model Take control over query plan caching and reuse

Beginning Microsoft SQL Server 2008 Programming

Inhalt Dieses Buch ermöglicht den Einstieg in relationale Datenbanken und den Microsoft SQL Server 2014. Es zeigt DB-Entwicklern oder Nutzern aus dem Marketing und Controlling, wie sie mit Hilfe von T-SQL Daten abfragen, Tabellen verknüpfen und komplexe Analysen durchführen. Mit Hilfe von T-SQL und dem Management Studio lernt man, Tabellen anzulegen und dann mit T-SQL-Operationen Daten zu bearbeiten. Die Programmierung von fortgeschrittenen T-SQL-Skripten wird ebenfalls dargestellt. Als Beispiel dient die umfassende AdventureWorks-Datenbank. Themen Grundlagen relationaler Datenbanken Übersicht zum MS SQL Server-System und seinen Werkzeugen Einfache und komplexe Abfragen mit T-SQL T-SQL-Operationen für DB-Objekte und Datenpflege Fortgeschrittene Analysen und Auswertungen T-SQL-Skripte mit Variablen, Fallunterscheidungen, Cursors und Transaktionen Pivot, berichtsähnliche Abfragen und T-SQL-Funktionen Internet Auf der Webseite zum Buch finden Sie alle T-SQL-Dateien zum Download. Die Beispiel-DB AdventureWorks ist beim Codeplex-Portal

verfügbar. Zielgruppe Das Buch richtet sich an SQL Server-Anwender/innen, die nicht nur aus dem Bereich IT kommen müssen, sondern auch im Marketing und Controlling arbeiten und nun T-SQL lernen und nutzen wollen. Dabei stehen bei Ihnen die Abfrage von Daten mit T-SQL und die tiefer gehende Analyse mit T-SQL-Funktionen im Vordergrund. Grundlegendes Interesse an T-SQL-Skript-Entwicklung sollte auch vorhanden sein. Für Neueinsteiger/innen auf dem Gebiet der relationalen Datenbanken gibt es eine allgemeine Einführung in Datenbankdesign und den Aufbau einer relationalen Datenbank.

T-SQL Querying

Get up to speed on the extensive changes to the newest release of Microsoft SQL Server The 2012 release of Microsoft SQL Server changes how you develop applications for SQL Server. With this comprehensive resource, SQL Server authority Robert Vieira presents the fundamentals of database design and SQL concepts, and then shows you how to apply these concepts using the updated SQL Server. Publishing time and date with the 2012 release, Beginning Microsoft SQL Server 2012 Programming begins with a quick overview of database design basics and the SQL query language and then quickly proceeds to show you how to implement the fundamental concepts of Microsoft SQL Server 2012. You'll explore the key additions and changes to this newest version, including conditional action constructs, enhanced controls for results paging, application integration with SharePoint and Excel, and development of BI applications. Covers new features such as SQL Azure for cloud computing, client-connectivity enhancements, security and compliance, data replication, and data warehouse performance improvements Addresses essential topics including managing keys, writing scripts, and working with store procedures Shares helpful techniques for creating and changing tables, programming with XML, and using SQL Server Reporting and Integration Services Beginning Microsoft SQL Server 2012 Programming demystifies even the most difficult challenges you may face with the new version of Microsoft SQL Server.

Microsoft SQL Server 2008 Internals

An essential how-to guide for experienced DBAs on the most significant product release since 2005! Microsoft SQL Server 2012 will have major changes throughout the SQL Server and will impact how DBAs administer the database. With this book, a team of well-known SQL Server experts introduces the many new features of the most recent version of SQL Server and deciphers how these changes will affect the methods that administrators have been using for years. Loaded with unique tips, tricks, and workarounds for handling the most difficult SQL Server admin issues, this how-to guide deciphers topics such as performance tuning, backup and recovery, scaling and replication, clustering, and security. Serves as a must-have how-to guide on the new features of the 2012 release of Microsoft SQL Server Walks you through ways to manage and monitor SQL Server and automate administration Guides you through SQL Azure for cloud computing, data replication, and data warehouse performance improvements Addresses client-connectivity enhancements, new features that ensure high availability of mission-critical applications, and tighter integration with Excel and SharePoint for data analysis and reporting Highlights major changes to the suite of SQL Server BI tools, including integration, reporting, and analysis services Includes real-world case

examples and best practices from Microsoft insiders If you're a database administrator eager to get started with the newest version of SQL Server, then this book is essential reading.

Microsoft SQL Server 2012 Unleashed

Master the foundations of T-SQL with the right balance of conceptual and practical content. Get hands-on guidance—including exercises and code samples—that show you how to develop code to query and modify data. You'll gain a solid understanding of the T-SQL language and good programming practices, and learn to write more efficient and powerful queries. Discover how to: Apply T-SQL fundamentals, create tables, and define data integrity Understand logical query processing Query multiple tables using joins and subqueries Simplify code and improve maintainability with table expressions Explore pivoting techniques and how to handle grouping sets Write code that modifies data Isolate inconsistent data and address deadlock and blocking scenarios

Introducing Microsoft SQL Server 2014

"Learn the ins and outs of SQL Server in this practical video tutorial. MCSA/MCSE Exam 70-461 Querying Microsoft SQL Server 2012 LiveLessons is a unique video product that provides a solid understanding of querying SQL Server 2012, a necessity for database administrators and developers and required knowledge for certifications on Microsoft SQL Server 2012 and 2014. Transact-SQL (T-SQL) is the main language used to manage data on Microsoft SQL Server. Understanding T-SQL is foremost in writing performance-based queries. The product takes the student from the basics of the language to the structures that will create optimal results. The student learns, step-by-step, creating database objects, working with data, modifying data, and troubleshooting and optimizing queries for a comprehensive study of querying."--Resource description page.

Microsoft SQL Server 2012 Step by Step

SQL Server 2012 T-SQL Recipes is an example-based guide to the Transact-SQL language that is at the core of SQL Server 2012. It provides ready-to-implement solutions to common programming and database administration tasks. Learn to create databases, insert and update data, generate reports, secure your data, and more. Tasks and their solutions are broken down into a problem/solution format that is quick and easy to read so that you can get the job done fast when the pressure is on. Solutions in this book are divided into chapters by problem domain. Each chapter is a collection of solutions around a single facet of the language such as writing queries, developing triggers, and applying aggregate functions. Each solution is presented code-first, giving you a working code example to copy from and implement immediately in your own environment. Following each example is an in-depth description of how and why the given solution works. Tradeoffs and alternative approaches are also discussed. Focused on solutions: Look up what you need to do. Learn how to do it. Do it. Current: Newly updated for SQL Server 2012 Comprehensive: Covers all common T-SQL problem domains

Microsoft SQL Server 2012 A Beginners Guide 5/E

Buy the print version of *Microsoft SQL Server 2012 Unleashed* and get the eBook version for free! eBook version includes chapters 44-60 not included in the print. See inside the book for access code and details. *With up-to-the-minute content, this is the industry's most complete, useful guide to SQL Server 2012. You'll find start-to-finish coverage of SQL Server's core database server and management capabilities: all the real-world information, tips, guidelines, and samples you'll need to create and manage complex database solutions. The additional online chapters add extensive coverage of SQL Server Integration Services, Reporting Services, Analysis Services, T-SQL programming, .NET Framework integration, and much more. Authored by four expert SQL Server administrators, designers, developers, architects, and consultants, this book reflects immense experience with SQL Server in production environments. Intended for intermediate-to-advanced-level SQL Server professionals, it focuses on the product's most complex and powerful capabilities, and its newest tools and features. Understand SQL Server 2012's newest features, licensing changes, and capabilities of each edition Manage SQL Server 2012 more effectively with SQL Server Management Studio, the SQLCMD command-line query tool, and Powershell Use Policy-Based Management to centrally configure and operate SQL Server Utilize the new Extended Events trace capabilities within SSMS Maximize performance by optimizing design, queries, analysis, and workload management Implement new best practices for SQL Server high availability Deploy AlwaysOn Availability Groups and Failover Cluster Instances to achieve enterprise-class availability and disaster recovery Leverage new business intelligence improvements, including Master Data Services, Data Quality Services and Parallel Data Warehouse Deliver better full-text search with SQL Server 2012's new Semantic Search Improve reporting with new SQL Server 2012 Reporting Services features Download the following from informit.com/title/9780672336928: Sample databases and code examples *and more**

Microsoft SQL Server 2012 Master Data Services 2/E

The book is packed with clear instructions and plenty of screenshots, providing all the support and guidance you will need as you begin to generate reports with SQL Server 2012 Reporting Services. This book is for those who are new to SQL Server Reporting Services 2012 and aspiring to create and deploy cutting edge reports. This book is for report developers, report authors, ad-hoc report authors and model developers, and Report Server and SharePoint Server Integrated Report Server administrators. Minimal knowledge of SQL Server is assumed and SharePoint experience would be helpful.

Microsoft SQL Server 2012 T-SQL Fundamentals

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 MSCA: 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.

MS SQL Server 2014

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Featuring hands-on exercises and real-world scenarios, this resource guides you through the essentials of implementing, maintaining, and repairing SQL Server 2012 databases.

Microsoft SQL Server 2012 Integration Services

Over 100 expert recipes to design, create, and deploy SSIS packages with this book and ebook.

Microsoft SQL Server 2012 Administration

Use your SQL Server skills to create and manage key data reports
Deliver interactive business intelligence reports using SQL Server 2012 Reporting Services, and help facilitate real-time decision making throughout the enterprise.
SQL Server expert Stacia Misner shows you in detail how to design, manage, and access custom reports that capture data from multiple sources. This book is ideal for experienced SQL Server developers, whether you're new to Reporting Services or upgrading from an earlier version.
Discover how to:
Use the latest features, including the Power View ad hoc reporting tool
Design reports by understanding how your audience accesses and uses data
Add interactive features to help end users sort and filter data
Create rich data visualization with charts, gauges, indicators, and data maps
Configure your report server, provide security, and monitor report contents
Use SharePoint or Report Manager to search and access

reports online Create a library of report parts that clients can use for ad hoc reporting Build and manage reports using Reporting Services as a development platform

Programming Microsoft SQL Server 2012

Build and manage data integration solutions with expert guidance from the Microsoft SQL Server Integration Services (SSIS) team. See best practices in action and dive deep into the SSIS engine, SSISDB catalog, and security features. Using the developer enhancements in SQL Server 2012 and the flexible SSIS toolset, you'll handle complex data integration scenarios more efficiently—and acquire the skills you need to build comprehensive solutions. Discover how to: Use SSIS to extract, transform, and load data from multiple data sources Apply best practices to optimize package and project configuration and deployment Manage security settings in the SSISDB catalog and control package access Work with SSIS data quality features to profile, cleanse, and increase reliability Monitor, troubleshoot, and tune SSIS solutions with advanced features such as detailed views and data taps Load data incrementally to capture an easily consumable stream of insert, update, and delete activity

Exam Ref 70-761 Querying Data with Transact-SQL

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.

Microsoft SQL Server 2012 Bible

Deploy and Maintain an Integrated MDS Architecture Harness your master data and grow revenue while reducing administrative costs. Thoroughly revised to cover the latest MDS features, Microsoft SQL Server 2012 Master Data Services, Second Edition shows how to implement and manage a centralized, customer-focused MDS framework. See how to accurately model business processes, load and cleanse data, enforce business rules, eliminate redundancies, and publish data to external systems. Security, SOA and Web services, and legacy data integration are also covered in this practical guide. Install Microsoft SQL Server 2012 Master Data Services Build custom MDS models and entityspecific staging tables Load and cleanse data from disparate sources Logically group assets into collections and hierarchies Ensure integrity using versioning and business rules Configure security at functional, object, and attribute levels Extend functionality with SOA and Web services Facilitate collaboration using the MDS Excel Add-In Export data to subscribing systems through SQL views

Microsoft SQL Server 2012 Pocket Consultant

Essential Microsoft SQL Server 2012 Skills Made Easy Get up and running on Microsoft SQL Server 2012 in no time with help from this thoroughly revised, practical resource. Filled with real-world examples and hands-on exercises, Microsoft SQL Server 2012: A Beginner's Guide, Fifth Edition starts by explaining fundamental relational database system concepts. Then, you'll learn how to write Transact-SQL statements, execute simple and complex database queries, handle system administration and security, and use the powerful analysis, business intelligence, and reporting tools. XML, spatial data, and full-text search are also covered in this step-by-step tutorial. Install, configure, and customize SQL Server 2012 Create and modify database objects with Transact SQL statements Write stored procedures and user-defined functions Handle backup and recovery Automate administrative tasks Tune your database system for optimal performance, availability, and reliability Implement security measures using authentication, encryption, and authorization Work with SQL Server Analysis Services, SQL Server Reporting Services, and other business intelligence tools Store, display, and query XML documents Manage spatial data Query documents using MS Full-Text Search (FTS)

Microsoft SQL Server 2012 Internals

Presents information on the fundamentals of T-SQL to develop code and query and modify data in Microsoft SQL Server 2012.

Beginning Microsoft SQL Server 2012 Programming

Teaches solution architects, designers, and developers how to use Microsoft's reporting platform to create reporting and business intelligence (BI) solutions Updated with new information about holistic BI solutions, comprehensive OLAP/Analysis Services reporting, and complete production deployment scenarios Includes programming examples focused on specific, scenario-based solutions Explains reporting services architecture and business intelligence, teaches the fundamentals of designing reports through the use of careful planning considerations, and covers advanced report design and filtering techniques

Professional Microsoft SQL Server 2008 Reporting Services

SQL Server 2012 T-SQL Recipes is an example-based guide to the Transact-SQL language that is at the core of SQL Server 2012. It provides ready-to-implement solutions to common programming and database administration tasks. Learn to create databases, insert and update data, generate reports, secure your data, and more. Tasks and their solutions are broken down into a problem/solution format that is quick and easy to read so that you can get the job done fast when the pressure is on. Solutions in this book are divided into chapters by problem domain. Each chapter is a collection of solutions around a single facet of the language such as writing queries, developing triggers, and applying aggregate functions. Each solution is presented code-first, giving you a working code example to copy from and implement immediately in your own environment. Following each example is an in-depth description of how and why the given solution works. Tradeoffs and alternative approaches are also discussed. Focused on solutions: Look up what you

need to do. Learn how to do it. Do it. Current: Newly updated for SQL Server 2012
Comprehensive: Covers all common T-SQL problem domains What you'll learn
Create databases, tables, and indexes Query and manipulate data Store and
manage XML inside the database Move business logic into the database Resolve
common performance problems. Build reports that matter to your business.
Perform common backup and recovery tasks. Who this book is for SQL Server 2012
T-SQL Recipes is aimed at technically-oriented users of SQL Server desiring to
extract the full power of the platform through it's powerful, built-in programming
and scripting language. Target readers include developers who use Microsoft SQL
Server 2012 as their back-end database, and the database administrators who
create, manage, and secure those databases. Table of Contents Getting Started
with SELECT Elementary Programming Nulls and Other Pitfalls Combining Data
from Multiple Tables Grouping and Summarizing Advanced SELECT Techniques
Query Techniques for Reporting Inserting, Updating, Deleting Working with Strings
Working with Dates Working with Numbers Transactions, Locking, Blocking,
Deadlocking Managing Tables Managing Views Managing Indexes Managing Large
Tables Stored Procedures User-Defined Functions Triggers Error Handling Query
Performance Hints Index Tuning and Statistics XML Files, Filegroups, and Integrity
Backup Recovery Principals and Users Securables and Permissions Objects and
Dependencies

Microsoft SQL Server 2012 Internals

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 High-Performance T-SQL Using Window Functions

Introducing Microsoft(r) SQL Server(r) 2012 explores the exciting enhancements

and new capabilities engineered into SQL Server, ranging from improvements in operation to those in reporting and management. This book is for anyone who has an interest in SQL Server 2012 and wants to understand its capabilities, including database administrators, application developers, and technical decision makers.

Knight's Microsoft SQL Server 2012 Integration Services 24-Hour Trainer

SQL Server 2012 T-SQL Recipes

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

MCSA Querying Microsoft SQL Server 2012 (exam 70-461)

Effectively query and modify data using Transact-SQL Master T-SQL fundamentals and write robust code for Microsoft SQL Server and Azure SQL Database. Itzik Ben-Gan explains key T-SQL concepts and helps you apply your knowledge with hands-on exercises. The book first introduces T-SQL's roots and underlying logic. Next, it walks you through core topics such as single-table queries, joins, subqueries, table expressions, and set operators. Then the book covers more-advanced data-query topics such as window functions, pivoting, and grouping sets. The book also explains how to modify data, work with temporal tables, and handle transactions, and provides an overview of programmable objects. Microsoft Data Platform MVP Itzik Ben-Gan shows you how to:

- Review core SQL concepts and its mathematical roots
- Create tables and enforce data integrity
- Perform effective single-table queries by using the SELECT statement
- Query multiple tables by using joins, subqueries, table expressions, and set operators
- Use advanced query techniques

such as window functions, pivoting, and grouping sets Insert, update, delete, and merge data Use transactions in a concurrent environment Get started with programmable objects—from variables and batches to user-defined functions, stored procedures, triggers, and dynamic SQL

Learning SQL Server Reporting Services 2012

Book-and-video package gets novices up to speed on Microsoft SQL Server 2012 If you need a practical, hands-on introduction, especially to SQL Server Integration Services (SSIS), this book-and-video package from authority Brian Knight is the perfect solution. Each lesson includes three major components: a description of how each SSIS feature or process works, a tutorial that walks you through the process or technique, and an accompanying video lesson. It's a complete learning package that will give you the confidence you need to start your first SSIS project. Guides novice database administrators and developers who are learning Microsoft SQL Server 2012 and SQL Server Integration Services (SSIS) Provides expert instruction from leading SQL Server authority and author, Brian Knight Includes a book and a video, complete instruction that includes lessons, hands-on tutorials, and video demonstrations by the author Covers the very latest changes and updates in the SQL Server 2012 release Microsoft SQL Server 2012 Integration Services 24-Hour Trainer makes SQL Server 2012 and SSIS much less intimidating. Note: CD-ROM/DVD and other supplementary materials are not included as part of the e-book file, but are available for download after purchase.

Introducing Microsoft SQL Server 2012

Your essential guide to key programming features in Microsoft SQL Server 2012 Take your database programming skills to a new level—and build customized applications using the developer tools introduced with SQL Server 2012. This hands-on reference shows you how to design, test, and deploy SQL Server databases through tutorials, practical examples, and code samples. If you're an experienced SQL Server developer, this book is a must-read for learning how to design and build effective SQL Server 2012 applications. Discover how to: Build and deploy databases using the SQL Server Data Tools IDE Query and manipulate complex data with powerful Transact-SQL enhancements Integrate non-relational features, including native file streaming and geospatial data types Consume data with Microsoft ADO.NET, LINQ, and Entity Framework Deliver data using Windows Communication Foundation (WCF) Data Services and WCF RIA Services Move your database to the cloud with Windows Azure SQL Database Develop Windows Phone cloud applications using SQL Data Sync Use SQL Server BI components, including xVelocity in-memory technologies

Inside Microsoft SQL Server 2008 T-SQL Querying

This comprehensive introduction to SQL Server begins with an overview of database design basics and the SQL query language along with an in-depth look at SQL Server itself Progresses on to a clear explanation of how to implement fundamental concepts with the new 2008 version of SQL Server Discusses creating and changing tables, managing keys, writing scripts, working with stored

procedures, programming with XML, using SQL Server Reporting and Integration Services, and more Features updated and new material, including new examples using Microsoft's AdventureWorks sample database

Microsoft SQL Server 2012 Unleashed

Dive deep inside the architecture of SQL Server 2012 Explore the core engine of Microsoft SQL Server 2012--and put that practical knowledge to work. Led by a team of SQL Server experts, you'll learn the skills you need to exploit key architectural features. Go behind the scenes to understand internal operations for creating, expanding, shrinking, and moving databases--whether you're a database developer, architect, or administrator. Discover how to: Dig into SQL Server 2012 architecture and configuration Use the right recovery model and control transaction logging Reduce query execution time through proper index design Track events, from triggers to the Extended Event Engine Examine internal structures with database console commands Transcend row-size limitations with special storage capabilities Choose the right transaction isolation level and concurrency model Take control over query plan caching and reuse

SQL Server 2012 T-SQL Recipes

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

Microsoft® SQL Server® 2008 T-SQL Fundamentals

Apply powerful window functions in T-SQL—and increase the performance and speed of your queries Optimize your queries—and obtain simple and elegant solutions to a variety of problems—using window functions in Transact-SQL. Led by T-SQL expert Itzik Ben-Gan, you'll learn how to apply calculations against sets of rows in a flexible, clear, and efficient manner. Ideal whether you're a database administrator or developer, this practical guide demonstrates ways to use more than a dozen T-SQL querying solutions to address common business tasks. Discover how to: Go beyond traditional query approaches to express set calculations more efficiently Delve into ordered set functions such as rank, distribution, and offset Implement hypothetical set and inverse distribution functions in standard SQL Use strategies for improving sequencing, paging, filtering, and pivoting Increase query speed using partitioning, ordering, and coverage indexing Apply new optimization iterators such as Window Spool Handle common issues such as running totals, intervals, medians, and gaps

Microsoft SQL Server 2012 Administration

200 practice questions to prepare & pass exam Exam 70-461: Querying Microsoft SQL Server 2012! Study this book to perform to excellence as a database developer! The exam text book follows the official Microsoft exam guidelines. The book features over 200 practice exam questions & answers. Once you learn the book, very likely you pass the exam effortlessly. SQL (Structured Query Language) programming & relational database design teach-by-practical-diagrams-&-examples book for developers, programmers, systems analysts and project managers who are new to relational database and client/server technologies. Also for database developers, database designers and database administrators (DBA), who know some SQL programming and database design, and who wish to refresh & expand their RDBMS design & development technology horizons. The book has special orientation for passing Exam 70-461. Familiarity with at least one computer programming language, Windows file system & Excel is assumed. Since the book is career advancement oriented, it has a great number of 3NF database design examples with metadata explanations along with practical SQL queries (over 1,400 SELECT queries) and T-SQL scripts, plenty to learn indeed. Great emphasis is placed on explaining the FOREIGN KEY - PRIMARY KEY constraints among tables, the connections which make the collection of individual tables a database. The database diagrams and queries are based on historic and current SQL Server sample databases: pubs (PRIMARY KEYS 9, FOREIGN KEYS 10) , Northwind (PRIMARY KEYS 13, FOREIGN KEYS 13) and the latest AdventureWorks series. Among them: AdventureWorks, AdventureWorks2008, AdventureWorks2012 (PRIMARY KEYS 71, FOREIGN KEYS 90), & AdventureWorksDW2012 (PRIMARY KEYS 27, FOREIGN KEYS 44). The last one is a data warehouse database which is the basis for multi-dimensional OLAP cubes. Sample databases installation instructions are included. The book teaches through vivid database diagrams and T-SQL queries & stored procedures; how to think in terms of sets at a very high level, focusing on set-based operations instead of loops like in procedural programming languages. There is a chapter dedicated to the new programming features of SQL Server 2012 and XML. The best way to master T-SQL programming is to type the query in your own SQL Server Management Studio Query Editor, test it, examine it, change it and study it. Wouldn't it be easier just to copy & paste it? It would, but the learning value would diminish rapidly. You need to feel relational database design and the SQL language in your DNA. SQL queries must "pour" out from your fingers into the keyboard. Why is knowing SQL queries by heart so important? After all everything can be found on the web so why not just copy & paste? Well not exactly. If you want to be an database designer & development expert, it has to be in your head not on the web. Second, when your supervisor is looking over your shoulder, "Charlie, can you tell me what is the total revenue for March?", you have to be able to type the query without documentation or SQL forum search and provide the results to your superior promptly. The book was designed to be readable in any environment, even on the beach laptop around or no laptop in sight at all. All queries are followed by results row count and /or full/partial results listing in tabular (grid) format. Screenshots are used when dealing with GUI tools such as SQL Server Management Studio. SQL Server 2012 installation instructions with screenshots are included. Mastery of the database design & SQL programming book likely to be sufficient for career advancement as a database designer and database developer.

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