

Exam Ref 701 Querying Data With Transact SQL

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

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

About the Book: Prepare for Microsoft Exam 70-743—and demonstrate that your skills are upgraded for Windows Server 2016. 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 MCSA level. Focus on the skills measured on the exam: • Install Windows servers in host and compute environments • Implement storage solutions • Implement Hyper-V • Implement Windows containers • Implement high availability • Implement Domain Name System (DNS) • Implement IP Address Management (IPAM) • Implement network connectivity and remote access solutions • Implement an advanced network infrastructure • Install and configure Active Directory Domain Services (AD DS) • Implement Identity Federation and access solutions This Microsoft Exam Ref: • Organizes its coverage by the "Skills measured" posted on the exam webpage • Features strategic, what-if scenarios to challenge you • Points to in-depth material by topic for exam candidates needing additional review • Assumes you are an IT pro looking to validate your skills in and knowledge of installing and configuring Windows Server 2016

Prepare for Microsoft Exam 70-765—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

At the Central European University

Unit Testing Principles, Practices, and Patterns

Exam Ref 70-741 Networking with Windows Server 2016

Exam Ref 70-761 Querying Data with Transact-SQL

EXAM REF 70-761 QUERYING DATA WITH TRANSACT-SQL WITH PRACTICE TEST.

Exam PL-100: Microsoft Power Platform App Maker 87 Test Prep Questions

This book is designed to be an ancillary to the classes, labs, and hands on practice that you have diligently worked on in preparing to obtain your PL-100: Microsoft Power Platform App Maker certification. I won't bother talking about the benefits of certifications. This book tries to reinforce the knowledge that you have gained in your process of studying. It is meant as one of the end steps in your preparation for the PL-100 exam. This book is short, but it will give you a good gauge of your readiness. Learning can be seen in 4 stages: 1. Unconscious Incompetence 2. Conscious Incompetence 3. Conscious Competence 4. Unconscious Competence This book will assume the reader has already gone through the needed classes, labs, and practice. It is meant to take the reader from stage 2, Conscious Incompetence, to stage 3 Conscious Competence. At stage 3, you should be ready to take the exam. Only real-world scenarios and work experience will take you to stage 4, Unconscious Competence. I am not an author by trade. My goal is not to write the cleanest of a book. This book will get to the gist of things, no frills no thrills. The only purpose is to have the reader pass the PL-100 exam. Before we get started, we all have doubts when preparing to take an exam. What is your reason and purpose for taking this exam? Remember your reason and purpose when you have some doubts. Obstacle is the way. Control your mind, attitude, and you can control the situation. Persistence leads to confidence. Confidence erases doubts.

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

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

Radically improve your testing practice and software quality with new testing styles, good patterns, and reliable automation. Key Features A practical and results-driven approach to unit testing Refine your existing unit tests by implementing modern best practices Learn the four pillars of a good unit test Safely automate your testing process to save time and money Spot which tests need refactoring, and which need to be deleted entirely Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications About the Book Great testing practices maximize your project quality and delivery speed by identifying bad code early in the development process. Wrong tests will break your code, multiply bugs, and increase time and costs. You owe it to yourself—and your projects—to learn how to do excellent unit testing. Unit Testing Principles, Patterns and Practices teaches you to design and write tests that target key areas of your code including the domain model. In this clearly written guide, you learn to develop professional-quality tests and test suites and integrate testing throughout the application life cycle. As you adopt a testing mindset, you'll be amazed at how better tests cause you to write better code. What You Will Learn Universal guidelines to assess any unit test Testing to identify and avoid anti-patterns Refactoring tests along with the production code Using integration tests to verify the whole system This Book is Written For Readers who know the basics of unit testing. Examples are written in C# and can easily be applied to any language. About the Author Vladimir Khorikov is an author, blogger, and Microsoft MVP. He has mentored numerous teams on the ins and outs of unit testing. Table of Contents: PART 1 THE BIGGER PICTURE 1 | The goal of unit testing 2 | What is a unit test? 3 | The anatomy of a unit test PART 2 MAKING YOUR TESTS WORK FOR YOU 4 | The four pillars of a good unit test 5 | Mocks and test fragility 6 | Styles of unit testing 7 | Refactoring toward valuable unit tests PART 3 INTEGRATION TESTING 8 | Why integration testing? 9 | Mocking best practices 10 | Testing the database PART 4 UNIT TESTING ANTI-PATTERNS 11 | Unit testing anti-patterns

T-SQL Fundamentals

Sample Questions from OECD's PISA Assessments

Exam Ref PL-900 Microsoft Power Platform Fundamentals

The Big R-Book

Learn T-SQL Querying

The Guru's Guide to Transact-SQL

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 SPI (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

The ultimate CISA prep guide, with practice exams Sybex's CISA: Certified Information Systems Auditor Study Guide, Fourth Edition is the newest edition of industry-leading study guide for the Certified Information Systems Auditor exam, fully updated to align with the latest ISACA standards and changes in IS auditing. This new edition provides complete guidance toward all content areas, tasks, and knowledge areas of the exam and is illustrated with real-world examples. All CISA terminology has been revised to reflect the most recent interpretations, including 73 definition and nomenclature changes. Each chapter summary highlights the most important topics on which you'll be tested, and review questions help you gauge your understanding of the material. You also get access to electronic flashcards, practice exams, and the Sybex test engine for comprehensively thorough preparation. For those who audit, control, monitor, and assess enterprise IT and business systems, the CISA certification signals knowledge, skills, experience, and credibility that delivers value to a business. This study guide gives you the advantage of detailed explanations from a real-world perspective, so you can go into the exam fully prepared. Discover how much you already know by beginning with an assessment test Understand all content, knowledge, and tasks covered by the CISA exam Get more in-depth explanation and demonstrations with an all-new training video Test your knowledge with the electronic test engine, flashcards, review questions, and more The CISA certification has been a globally accepted standard of achievement among information systems audit, control, and security professionals since 1978. If you're looking to acquire one of the top IS security credentials, CISA is the comprehensive study guide you need.

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. The Exam Ref is the official study guide for Microsoft certification exams. Featuring concise coverage of the skills measured by the exam, challenging Thought Experiments, and pointers to more in-depth material for the candidate needing additional study, exam candidates get professional-level preparation for the exam. The Exam Ref helps candidates determine their readiness for the exam, and provides Exam Tips to help maximize their performance on the exam. The organization of the material mirrors the skills measured by the exam as presented on the certification exam webpage.

Introduces professionals and scientists to statistics and machine learning using the programming language R Written by and for practitioners, this book provides an overall introduction to R, focusing on tools and methods commonly used in data science, and placing emphasis on practice and business use. It covers a wide range of topics in a single volume, including big data, databases, statistical machine learning, data wrangling, data visualization, and the reporting of results. The topics covered are all important for someone with a science/math background that is looking to quickly learn several practical technologies to enter or transition to the growing field of data science. The Big R-Book for Professionals: From Data Science to Learning Machines and Reporting with R includes nine parts, starting with an introduction to the subject and followed by an overview of R and elements of statistics. The third part revolves around data, while the fourth focuses on data wrangling. Part 5 teaches readers about exploring data. In Part 6 we learn to build models. Part 7 introduces the reader to the reality in companies. Part 8 covers reports and interactive applications and finally Part 9 introduces the reader to big data and performance computing. It also includes some helpful appendices. Provides a practical guide for non-experts with a focus on business users Contains a unique combination of topics including an introduction to R, machine learning, mathematical models, data wrangling, and reporting Uses a practical tone and integrates multiple topics in a coherent framework Demystifies the hype around machine learning and AI by enabling readers to understand the provided models and program them in R Shows readers how to visualize results in static and interactive reports Supplementary materials includes PDF slides based on the book's content, as well as all the extracted R-code and is available to everyone on a Wiley Book Companion Site The Big R-Book is an excellent guide for science technology, engineering, or mathematics students who wish to make a successful transition from the academic world to the professional. It will also appeal to all young data scientists, quantitative analysts, and analytics professionals, as well as those who make mathematical models.

Exam Ref Da-100 Analyzing Data with Microsoft Power BI

Microsoft SQL Server 2012 T-SQL Fundamentals

SAS Programming for R Users

Exam Ref 70-740 Installation, Storage and Compute with Windows Server 2016

From Data Science to Learning Machines and Big Data

50 Challenges

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. Emphasize 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 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 perform 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

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

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 SQL Server 2016. These are the two exams necessary for the MCSA certification in SQL Server 2016 Database Development.

Prepare for Microsoft Exam 70-483—and help demonstrate your real-world mastery of programming in C#. Designed for experienced software 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: • 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

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 needed to 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 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

Exam Ref 70-483 Programming in C# (MCSD)

Microsoft SQL Server 2012 High-Performance T-SQL Using Window Functions

CISA Certified Information Systems Auditor Study Guide

DICOM Structured Reporting

MCSA SQL Server 2016 Database Development Exam Ref 2-Pack

Searching and Seizing Computers and Obtaining Electronic Evidence in Criminal Investigations

SAS Programming for R Users, based on the Free SAS Education course of the same name, is designed for experienced R users who want to transfer their programming skills to SAS. Emphasis is on programming and not statistical theory or interpretation. You will learn how to write programs in SAS that replicate familiar functions and capabilities in R. This book covers a wide range of topics including the basics of the SAS programming language, how to import data, how to create new variables, random number generation, linear modeling, Interactive Matrix Language (IML), and many other SAS procedures. This book also explains how to write R code directly in the SAS code editor for seamless integration between the two tools. Exercises are provided at the end of each chapter so that you can test your knowledge and practice your programming skills.

Demonstrates important concepts and offers working Transact-SQL code, covering data filtering, DDL, DML, statistical functions, runs and sequences, transactions, stored procedures and triggers, and performance tuning.

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

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 SPI (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

Inside Microsoft SQL Server 2008

Exam Ref 70-767 Implementing a SQL Data Warehouse

Exam Ref 70-778 Analyzing and Visualizing Data by Using Microsoft Power BI

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

PISA Take the Test Sample Questions from OECD's PISA Assessments

A Path Forward

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. Sharpen your SQL Skill with Real-World Practice. Queries improve when challenges are authentic. This book sets your learning on the fast track with realistic problems to solve. Topics span sales, marketing, human resources, purchasing, and production. Real SQL Queries: 50 Challenges is perfect for analysts, report writers, or anyone searching for a hands-on approach to learning SQL Server. Why this Book? Get Started Quickly. All challenges are based on AdventureWorks2012, Microsoft's universally-accessible sample database. AdventureWorks is free to download and intuitive to explore. Solve Real Problems. Studying concepts is useful, but hands-on practice is the best way to learn. This book provides a hands-on, problem-solving approach. Learn by Example. Every challenge includes a fully documented solution. Lots of Helping Hands. Not sure how to begin? Each question includes a hint to set you in the right direction. Something for Everyone. Difficulty varies from challenge to challenge; it's truly a mixed bag. Freshen your Technique. Solutions exhibit a wide range of functions and approaches, so you're sure to find something new. Your Teaching Companion. Ready-to-go material for SQL tutors, trainers, and college professors. Preview of Challenges to Solve: Year over Year Comparisons: An executive requests data concerning fiscal quarter sales by salesperson. She'd like to see comparisons from the fiscal quarters of 2008 to the same fiscal quarters of 2007. Ten Million Dollar Benchmark: Ten million dollars of revenue is a common benchmark for Adventure Works. For each fiscal year (2007 and 2008) find the first dates when the cumulative running revenue total hit \$10 million. Expired Credit Cards: The Accounting department found instances where expired credit cards were used with sales orders. You are asked examine all credit cards and report the extent of such activity. The Mentors: The Vice President of Sales wants the five most successful sales people to mentor the five least successful sales people. Create a list of sales people to match with one another. Online/Offline: Create a summary table that shows, by territory, the percentage of orders placed online in comparison to orders not placed online. The Second Edition includes more material than before. Contrary to the book's title, there are now 55 challenges to solve.

Advancing your SQL skills with the 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.

This book presents all the publicly available questions from the PISA surveys. Some of these questions were used in the PISA 2000, 2003 and 2006 surveys and others were used in developing and trying out the assessment.

Developing ASP.NET MVC 4 Web Applications

T-SQL Querying

MCSA SQL 2016 Database Administration Exam Ref 2-Pack

Exam Ref 70-768 Developing SQL Data Models

Exam Ref 70-486 Developing ASP.NET MVC 4 Web Applications (MCSD)

Programming in C#

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 70-761 Querying Data with Transact-SQL Microsoft Press

Troubleshoot query performance issues, identify anti-patterns in code, and write efficient T-SQL queries Key Features Discover T-SQL functionalities and services that help you interact with relational databases Understand the roles, tasks and responsibilities of a T-SQL developer Explore solutions for carrying out database querying tasks, database administration, and troubleshooting Book Description Transact-SQL (T-SQL) is Microsoft's proprietary extension to the SQL language that is used with Microsoft SQL Server and Azure SQL Database. This book will be a useful guide to learning the art of writing efficient T-SQL code in modern SQL Server versions, as well as the Azure SQL Database. The book will get you started with query processing fundamentals to help you write powerful, performant T-SQL queries. You will then focus on query execution plans and learn how to leverage them for troubleshooting. In the later chapters, you will learn how to identify various T-SQL patterns and anti-patterns. This will help you analyze execution plans to gain insights into current performance, and determine whether or not a query is scalable. You will also learn to build diagnostic queries using dynamic management views (DMVs) and dynamic management functions (DMFs) to address various challenges in T-SQL execution. Next, you will study how to leverage the built-in tools of SQL Server to shorten the time taken to address query performance and scalability issues. In the concluding chapters, the book will guide you through implementing various features, such as Extended Events, Query Store, and Query Tuning Assistant using hands-on examples. By the end of this book, you will have the skills to determine query performance bottlenecks, avoid pitfalls, and discover the anti-patterns in use. Foreword by Conor Cunningham, Partner Architect – SQL Server and Azure SQL – Microsoft What you will learn Use Query Store to understand and easily change query performance Recognize and eliminate bottlenecks that lead to slow performance Deploy quick fixes and long-term solutions to improve query performance Implement best practices to minimize performance risk using T-SQL Achieve optimal performance by ensuring careful query and index design Use the latest performance optimization features in SQL Server 2017 and SQL Server 2019 Protect query performance during upgrades to newer versions of SQL Server Who this book is for This book is for database administrators, database developers, data analysts, data scientists, and T-SQL practitioners who want to get started with writing T-SQL code and troubleshooting query performance issues, through the help of practical examples. Previous knowledge of T-SQL querying is not required to get started on this book.

Microsoft Exam 70-741 is an IT Pro interested in enhancing their skills for the latest version of Windows Server. This exam validates skills and knowledge for configuring advanced tasks required to deploy, manage, and maintain a Windows Server 2016 infrastructure, such as fault tolerance, certificate services, and identity federation. Passing this exam along with two other exams is required for MCSA and MCSE certifications. The Exam Ref is the official study guide for Microsoft certification exam 70-741. Featuring concise, objective-by-objective reviews and strategic case scenarios and Thought Experiments, exam candidates get professional-level preparation for the exam. The Exam Ref helps candidates maximize their performance on the exam and sharpen their job-role skills. It organizes material by the exam's objective domains Focus is on the skills measured on the exam. • Implement Domain Name System (DNS) • Implement DHCP • Implement IP Address Management (IPAM) • Implement network connectivity and remote access solutions • Implement core and distributed network solutions • Implement an advanced network infrastructure This Microsoft Exam Ref: • Organizes its coverage by the " Skills measured " posted on the exam webpage • Features strategic, what-if scenarios to challenge you • Points to in-depth material by topic for exam candidates needing additional review • Assumes you are an IT pro looking to validate your skills in and knowledge of installing and configuring Windows Server 2016

Prepare for Microsoft Exam 70-486—and help demonstrate your real-world mastery of developing ASP.NET MVC-based solutions. 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: Design the application architecture Design the user experience Develop the user experience Troubleshoot and debug web applications Design and implement security This Microsoft Exam Ref: Organizes its coverage by exam objectives. Features strategic, what-if scenarios to challenge you

Windows Server 2016

The Sergeant Major of the Army

Strengthening Forensic Science in the United States

Exam Ref 70-764 Administering a SQL Database Infrastructure

Exam Refs 70-761 And 70-762

Exam Ref 70-743 Upgrading Your Skills to MCSA

Five lectures George Soros recently delivered at the Central European University in Budapest - which he founded in 1991 - distill a lifetime of thinking on finance, capitalism and open society. In a series of lectures delivered at the Central European University in October 2009, George Soros provided a broad overview of his thoughts on economics and politics. The lectures are the culmination of a lifetime of practical and philosophical reflection. In the first and second lecture, Soros discusses his general view of reality and its application to financial markets, providing insight into the recent financial crisis. The third and fourth lectures examine the concept of open society, which has guided Soros' global philanthropy, as well as the potential for conflict between capitalism and open society. The closing lecture focuses on the way ahead, closely examining the increasingly important economic and political role that China will play in the future.

"The Budapest Lectures" presents these five seminal talks into one volume, which offers a condensed and highly readable summary of Soros' world view. Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application.

Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

Microsoft Exam 70-741 is an IT Pro interested in enhancing their skills for the latest version of Windows Server. This exam validates skills and knowledge for configuring advanced tasks required to deploy, manage, and maintain a Windows Server 2016 infrastructure, such as fault tolerance, certificate services, and identity federation. Passing this exam along with two other exams is required for MCSA and MCSE certifications. The Exam Ref is the official study guide for Microsoft certification exam 70-741. Featuring concise, objective-by-objective reviews and strategic case scenarios and Thought Experiments, exam candidates get professional-level preparation for the exam. The Exam Ref helps candidates maximize their performance on the exam and sharpen their job-role skills. It organizes material by the exam's objective domains Focus is on the skills measured on the exam. • Implement Domain Name System (DNS) • Implement DHCP • Implement IP Address Management (IPAM) • Implement network connectivity and remote access solutions • Implement core and distributed network solutions • Implement an advanced network infrastructure This Microsoft Exam Ref: • Organizes its coverage by the " Skills measured " posted on the exam webpage • Features strategic, what-if scenarios to challenge you • Points to in-depth material by topic for exam candidates needing additional review • Assumes you are an IT pro looking to validate your skills in and knowledge of installing and configuring Windows Server 2016

Prepare for Microsoft Exam 70-486—and help demonstrate your real-world mastery of developing ASP.NET MVC-based solutions. 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: Design the application architecture Design the user experience Develop the user experience Troubleshoot and debug web applications Design and implement security This Microsoft Exam Ref: Organizes its coverage by exam objectives. Features strategic, what-if scenarios to challenge you

Windows Server 2016

The Sergeant Major of the Army

Strengthening Forensic Science in the United States

Exam Ref 70-764 Administering a SQL Database Infrastructure

Exam Refs 70-761 And 70-762

Exam Ref 70-743 Scoring Windows Server 2016

*Most T-SQL developers recognize the value of window functions for data analysis calculations. But they can do far more, and recent optimizations make them even more powerful. In T-SQL Window Functions, renowned T-SQL expert Itzik Ben-Gan introduces breakthrough techniques for using them to handle many common T-SQL querying tasks with unprecedented elegance and power. Using extensive code examples, he guides you through window aggregate, ranking, distribution, offset, and ordered set functions. You'll find a detailed section on optimization, plus an extensive collection of business solutions—including new techniques available in no other book—provided by publisher.

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/learn/certifications/data-analyst-associate>

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

Provides information about the architecture of the T-SQL programming language to create scalable code.

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