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# 767 Implementing A Sql Data Warehouse Microsoft

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

PHP and MySQL Web Development

Exam Ref 70-767 Implementing a SQL Data Warehouse

The Art of SQL

Pro SQL Server 2012 BI Solutions

Data Mining with Microsoft SQL Server 2008

Exam Ref 70-764 Administering a SQL Database Infrastructure

Agile Data Warehouse Design

Exam Ref 70-761 Querying Data with Transact-SQL

Professional Microsoft SQL Server 2014 Integration Services

Solutions for Star Schema Performance

SQL Server 70-767

The Complete Guide to Practices and Procedures

T-SQL Querying

Exam Ref 70-767 Implementing a SQL Data Warehouse

## Database Systems

Microsoft Azure Administrator Exam Prep (AZ-104)

Tabular Modeling in Microsoft SQL Server Analysis Services

Make Your Career with Microsoft Azure Platform Using Azure Administered Exam Prep (English Edition)

Exam Ref 70-762 Developing SQL Databases

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

Exam Refs 70-767 and 70-768

With SQL Server 2008 R2 and the Microsoft Business Intelligence Toolset

SQL Server 2019 Administration Inside Out

The Microsoft Data Warehouse Toolkit

The Complete Book

Implementing a Data Warehouse Using SQL

2017/18 Edition

Exam Ref 70-767 Implementing a SQL Data Warehouse with Practice Test

Pro SQL Server 2012 Reporting Services

Exam Ref 70-767 Implementing a SQL Data Warehouse

Fundamentals of Computer Programming with C#

Inside Microsoft SQL Server 2008 T-SQL Querying

Collaborative Dimensional Modeling, from Whiteboard to Star Schema

SQL Server Query Performance Tuning  
Database Administration  
Building a Data Warehouse  
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MCSA SQL 2016 Exam 70-767 Implementing a SQL Data Warehouse 80 Unofficial  
Self-Practice Review Questions

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## **CUNNINGHAM LACEY**

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Exam Ref 70-779 Analyzing and  
Visualizing Data with Microsoft Excel  
Addison-Wesley Professional  
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](http://microsoft.com/learning)

*PHP and MySQL Web Development*  
Springer

Direct from Microsoft, these Exam Refs are the official study guides for the new Microsoft 70-767 Implementing a SQL Data Warehouse and the new Microsoft

70-768 Developing SQL Data Models certification exams. Exam Ref 70-767 Implementing a SQL Data Warehouse , the first book in this bundle (ISBN 978150936473), offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on the specific areas of expertise modern IT professionals need to successfully build modern data warehouses to support advanced business intelligence solutions. Written by Microsoft Data Platform MVP Stacia Varga, Exam Ref 70-768 Developing SQL Data Models , the second book in this bundle (ISBN 9781509305155), offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on

the job. It focuses on the specific areas of expertise modern database and business intelligence professionals need to succeed with SQL Server 2016 Analysis Services.

*Exam Ref 70-767 Implementing a SQL Data Warehouse* John Wiley & Sons Build agile and responsive business intelligence solutions Create a semantic model and analyze data using the tabular model in SQL Server 2016 Analysis Services to create corporate-level business intelligence (BI) solutions. Led by two BI experts, you will learn how to build, deploy, and query a tabular model by following detailed examples and best practices. This hands-on book shows you how to use the tabular model's in-memory database to perform rapid analytics—whether you are new to

Analysis Services or already familiar with its multidimensional model. Discover how to:

- Determine when a tabular or multidimensional model is right for your project
- Build a tabular model using SQL Server Data Tools in Microsoft Visual Studio 2015
- Integrate data from multiple sources into a single, coherent view of company information
- Choose a data-modeling technique that meets your organization's performance and usability requirements
- Implement security by establishing administrative and data user roles
- Define and implement partitioning strategies to reduce processing time
- Use Tabular Model Scripting Language (TMSL) to execute and automate administrative tasks
- Optimize your data model to reduce the memory footprint for

VertiPaq • Choose between in-memory (VertiPaq) and pass-through (DirectQuery) engines for tabular models

- Select the proper hardware and virtualization configurations
- Deploy and manipulate tabular models from C# and PowerShell using AMO and TOM libraries

Get code samples, including complete apps, at:  
<https://aka.ms/tabular/downloads>

About This Book • For BI professionals who are new to SQL Server 2016 Analysis Services or already familiar with previous versions of the product, and who want the best reference for creating and maintaining tabular models.

- Assumes basic familiarity with database design and business analytics concepts.

*The Art of SQL* Microsoft Press  
 Explains how to access and create

MySQL databases through PHP scripting, including authentication, network connectivity, session management, and content customization.

*Pro SQL Server 2012 BI Solutions*  
Microsoft Press

Focus your efforts on the best opportunities --

*Data Mining with Microsoft SQL Server 2008* John Wiley & Sons

Prepare for Microsoft Exam MS-100—and help demonstrate your real-world mastery of skills and knowledge needed to effectively design, deploy, manage, and secure Microsoft 365 services. Designed for experienced IT professionals, Exam Ref focuses on critical thinking and decision-making acumen needed for success at the Microsoft Certified Expert level. Focus on

the expertise measured by these objectives: Design and implement Microsoft 365 services Manage user identity and roles Manage access and authentication Plan Office 365 workloads and applications 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 365 workloads, networking, server administration, and IT fundamentals; and have administered at least one Microsoft 365 workload About the Exam Exam MS-100 focuses on knowledge needed to manage domains; plan a Microsoft 365 implementation; set up and manage Microsoft 365 tenancy and subscriptions; plan user and data migration; design identity strategy; plan and manage

identity synchronization with Azure AD Connect; manage Azure AD identities and user roles; manage authentication; implement MFA; configure application access; implement access for external users of Microsoft 365 workloads; and plan Office 365 workload and applications deployment. About Microsoft Certification Passing this exam and Exam MS-101 Microsoft 365 Mobility and Security (and earning one Microsoft 365 workload administrator certification or the MCSE Productivity certification) fulfills your requirements for the Microsoft 365 Certified Enterprise Administrator Expert certification credential. This demonstrates your ability to evaluate, plan, migrate, deploy, and manage Microsoft 365 services.

**Exam Ref 70-764 Administering a**

## **SQL Database Infrastructure**

Microsoft Press

Here is the ideal field guide for data warehousing implementation. This book first teaches you how to build a data warehouse, including defining the architecture, understanding the methodology, gathering the requirements, designing the data models, and creating the databases. Coverage then explains how to populate the data warehouse and explores how to present data to users using reports and multidimensional databases and how to use the data in the data warehouse for business intelligence, customer relationship management, and other purposes. It also details testing and how to administer data warehouse operation.

*Agile Data Warehouse Design*



## Createspace Independent Publishing Platform

Create interactive cross-platform reports and dashboards using SQL Server 2016 Reporting Services About This Book Get up to speed with the newly-introduced enhancements and the more advanced query and reporting features Easily access your important data by creating visually appealing dashboards in the Power BI practical recipe Create cross-browser and cross-platform reports using SQL Server 2016 Reporting Services Who This Book Is For This book is for software professionals who develop and implement reporting solutions using Microsoft SQL Server. It is especially relevant for professionals who are software engineers, software architects, DW/BI engineers, and DW/BI architects

who perform simple to complex report authoring implementations. This book is also suitable for those who develop software solutions that integrate reporting solutions and are keen to learn about Microsoft SQL Server 2016's features and capabilities. What You Will Learn Key capabilities, architecture, and components of Reporting Services New features that have been added to Reporting Services Design the architecture for reporting solutions Design the architecture for BI solutions Implement reporting solutions using Reporting Services Improve the performance, availability, and scalability of the reporting solution Enhance reporting solutions with custom programming and improved security In Detail Microsoft SQL Server 2016

Reporting Services comes with many new features. It offers different types of reporting such as Production, Ad-hoc, Dashboard, Mash-up, and Analytical. SQL Server 2016 also has a surfeit of new features including Mobile Reporting, and Power BI integration. This book contains recipes that explore the new and advanced features added to SQL Server 2016. The first few chapters cover recipes on configuring components and how to explore these new features. You'll learn to build your own reporting solution with data tools and report builder, along with learning techniques to create visually appealing reports. This book also has recipes for enhanced mobile reporting solutions, accessing these solutions effectively, and delivering interactive business

intelligence solutions. Towards the end of the book, you'll get to grips with running reporting services in SharePoint integrated mode and be able to administer, monitor, and secure your reporting solution. This book covers about the new offerings of Microsoft SQL Server 2016 Reporting Services in comprehensive detail and uses examples of real-world problem-solving business scenarios. Style and approach This comprehensive cookbook follows a problem-solution approach to help you overcome any obstacle when creating interactive, visually-appealing reports using SQL Server 2016 Reporting Services. Each recipe focuses on a specific task and is written in a clear, solution-focused style.

[Exam Ref 70-761 Querying Data with](#)

Transact-SQL John Wiley & Sons  
Step-by-step exam guide to learn Microsoft Azure Administration with hands-on labs. **KEY FEATURES** Well-organized and detailed coverage for passing the Azure Administrator Exam. Gain proficiency in analyzing resource utilization and consumption. Explore how to manage resource groups and establish storage accounts. Expert-led designed and scenario-focused questions and answers. **DESCRIPTION** The Azure administrator is a new way to learn and develop the Microsoft Azure skills, and it helps you to grow your career in the cloud era. In this book, you will learn about the basic and advance concepts of the Azure administration. You will also learn how to use the Azure active directory user management and how to

sync your on-premises active directory with the Azure directory. This book also explains concepts like the Azure Virtual machine, Azure storage account, and Azure networking with an exam-based scenario. At the end the book explains Azure monitor, Azure networking, on-premises to Azure connectivity using the site-to-site connection or through EXPRESS ROUTE along with the Disaster and Backup recovery option. This book covers a full chapter of Exam Preparation Guidelines and scenarios-based questions that will help readers in their exam preparations. **WHAT YOU WILL LEARN** Efficient use of Azure components with conceptual-based learning on Azure services. Step-by-step implementation of routine Azure administration tasks. Exciting examples

and illustrations on using Azure active directory and other utilities. Smart coverage on Azure virtual machine, Azure storage account, and Azure networking. WHO THIS BOOK IS FOR This book is for all system administration roles or anyone seeking to successfully pass the Azure Administration certification exam and become a true professional Azure Administrator. To make the best of this book, we expect you to be familiar with PowerShell and CLI. TABLE OF CONTENTS 1.Implement and manage the hybrid identities 2.Managing Role assignment through the RBAC Policy 3.Azure Subscription and Resources Group Management 4.Managing and Configuration of the Storage Accounts 5.Manage data in the Azure Storage 6.Configure the Azure File

7.Create and configure a VM 8.Automate the deployment of the VMs 9.Create and configure the containers 10.Create and configure the Web Apps 11.Configure the Virtual Networking and Integrate an on-premises to the Azure Network 12.Configure the load balancing 14.Secure access to the virtual networks 15.Monitor and troubleshoot virtual networking 16.Analyze resource utilization and consumption 17.Implement backup and recovery 18.Exam Guidelines and Assessment Professional Microsoft SQL Server 2014 Integration Services Microsoft Press Pro SQL Server 2012 Reporting Services opens the door to delivering customizable, web-enabled reports across your business at reasonable cost. Reporting Services is Microsoft's

enterprise-level reporting platform. It is included with many editions of SQL Server, and is something you'll want to take advantage of if you're running SQL Server as your database engine. Reporting Services provides a full set of tools with which to create and deploy reports. Create interactive reports for business users. Define reporting models from which business users can generate their own ad hoc reports. Pull data from relational databases, from XML, and from other sources. Present that data to users in tabular and graphical forms, and more. Reporting Services experts Brian McDonald, Rodney Landrum, and Shawn McGehee show how to do all this and much more in this third edition of their longstanding book on the topic. Provides best practices for using Reporting

Services Covers the very latest in new features for SQL Server 2012 Your key to delivering business intelligence across the enterprise

Solutions for Star Schema Performance  
"O'Reilly Media, Inc."

Prepare for Microsoft Exam 70-768—and help demonstrate your real-world mastery of Business Intelligence (BI) solutions development with SQL Server 2016 Analysis Services (SSAS), including modeling and queries. Designed for experienced IT professionals ready to advance their status, Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the MCSA level. Focus on the expertise measured by these objectives:

- Design a multidimensional BI semantic model
- Design a tabular BI semantic model

Develop queries using Multidimensional Expressions (MDX) and Data Analysis Expressions (DAX) • Configure and maintain SSAS This Microsoft Exam Ref: • Organizes its coverage by exam objectives • Features strategic, what-if scenarios to challenge you • Assumes you are a database or BI professional with experience creating models, writing MDX or DAX queries, and using SSAS **SQL Server 70-767** Packt Publishing Ltd

The free book "Fundamentals of Computer Programming with C#" is a comprehensive computer programming tutorial that teaches programming, logical thinking, data structures and algorithms, problem solving and high quality code with lots of examples in C#. It starts with the first steps in

programming and software development like variables, data types, conditional statements, loops and arrays and continues with other basic topics like methods, numeral systems, strings and string processing, exceptions, classes and objects. After the basics this fundamental programming book enters into more advanced programming topics like recursion, data structures (lists, trees, hash-tables and graphs), high-quality code, unit testing and refactoring, object-oriented principles (inheritance, abstraction, encapsulation and polymorphism) and their implementation the C# language. It also covers fundamental topics that each good developer should know like algorithm design, complexity of algorithms and problem solving. The

book uses C# language and Visual Studio to illustrate the programming concepts and explains some C# / .NET specific technologies like lambda expressions, extension methods and LINQ. The book is written by a team of developers lead by Svetlin Nakov who has 20+ years practical software development experience. It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C# language in the meantime. It is a great start for anyone who wants to become a skillful software engineer. The books does not teach technologies like databases, mobile and web development, but shows the true way to master the basics of programming regardless of the languages, technologies and tools. It is

good for beginners and intermediate developers who want to put a solid base for a successful career in the software engineering industry. The book is accompanied by free video lessons, presentation slides and mind maps, as well as hundreds of exercises and live examples. Download the free C# programming book, videos, presentations and other resources from <http://introprogramming.info>. Title: Fundamentals of Computer Programming with C# (The Bulgarian C# Programming Book) ISBN: 9789544007737 ISBN-13: 978-954-400-773-7 (9789544007737) ISBN-10: 954-400-773-3 (9544007733) Author: Svetlin Nakov & Co. Pages: 1132 Language: English Published: Sofia, 2013 Publisher: Faber Publishing, Bulgaria

Web site:

<http://www.introprogramming.info>

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 logic, loops, arrays, numeral systems,  
 methods, strings, text processing,  
 StringBuilder, exceptions, exception  
 handling, stack trace, streams, files, text  
 files, linear data structures, list, linked  
 list, stack, queue, tree, balanced tree,  
 graph, depth-first search, DFS, breadth-

first search, BFS, dictionaries, hash  
 tables, associative arrays, sets,  
 algorithms, sorting algorithm, searching  
 algorithms, recursion, combinatorial  
 algorithms, algorithm complexity, OOP,  
 object-oriented programming, classes,  
 objects, constructors, fields, properties,  
 static members, abstraction, interfaces,  
 encapsulation, inheritance, virtual  
 methods, polymorphism, cohesion,  
 coupling, enumerations, generics,  
 namespaces, UML, design patterns,  
 extension methods, anonymous types,  
 lambda expressions, LINQ, code quality,  
 high-quality code, high-quality classes,  
 high-quality methods, code formatting,  
 self-documenting code, code refactoring,  
 problem solving, problem solving  
 methodology, 9789544007737,  
 9544007733



The Complete Guide to Practices and Procedures John Wiley & Sons

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

T-SQL Querying John Wiley & Sons

For all the buzz about trendy IT techniques, data processing is still at the core of our systems, especially now that enterprises all over the world are confronted with exploding volumes of data. Database performance has become a major headache, and most IT departments believe that developers should provide simple SQL code to solve immediate problems and let DBAs tune any bad SQL later. In *The Art of SQL*, author and SQL expert Stephane Faroult argues that this safe approach only leads to disaster. His insightful book, named after *Art of War* by Sun Tzu,

contends that writing quick inefficient code is sweeping the dirt under the rug. SQL code may run for 5 to 10 years, surviving several major releases of the database management system and on several generations of hardware. The code must be fast and sound from the start, and that requires a firm understanding of SQL and relational theory. The Art of SQL offers best practices that teach experienced SQL users to focus on strategy rather than specifics. Faroult's approach takes a page from Sun Tzu's classic treatise by viewing database design as a military campaign. You need knowledge, skills, and talent. Talent can't be taught, but every strategist from Sun Tzu to modern-day generals believed that it can be nurtured through the experience of

others. They passed on their experience acquired in the field through basic principles that served as guiding stars amid the sound and fury of battle. This is what Faroult does with SQL. Like a successful battle plan, good architectural choices are based on contingencies. What if the volume of this or that table increases unexpectedly? What if, following a merger, the number of users doubles? What if you want to keep several years of data online? Faroult's way of looking at SQL performance may be unconventional and unique, but he's deadly serious about writing good SQL and using SQL well. The Art of SQL is not a cookbook, listing problems and giving recipes. The aim is to get you-and your manager-to raise good questions.

**Exam Ref 70-767 Implementing a**

**SQL Data Warehouse** Microsoft Press  
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](http://microsoft.com/learning)  
Database Systems Sams Publishing  
 Exam Ref 70-767 Implementing a SQL Data Warehouse Microsoft Press  
**Microsoft Azure Administrator Exam Prep (AZ-104)** Apress  
 Exam 70-767 Implementing a Data

Warehouse using SQL covers: Design, implement, and maintain a data warehouse (35-40%) Extract, transform, and load data (40-45%) Build data quality solutions (15-20%) This exam covers SQL Server 2016. We create these self-practice test questions referencing the concepts and principles currently valid in the exam. Some of the easy-to-miss tech details are covered as well. Each question comes with an answer and a short explanation which aids you in seeking further study information. For purpose of exam readiness drilling, this product includes questions that have varying numbers of choices. Think of these as challenges presented to you so to assess your comprehension of the subject matters. The goal is to reinforce learning, to

validate successful transference of knowledge and to identify areas of weakness that require remediation. The questions are NOT designed to "simulate" actual exam questions. "realistic" or actual questions that are for cheating purpose are not available in any of our products. Our practice questions are written to be relatively straight forward and less tricky. In the real exam, you will see questions framed in longer scenarios. There may also be graphical and/or performance based questions in the real exam.

**Tabular Modeling in Microsoft SQL Server Analysis Services** Microsoft Press

A thorough reference on database administration outlines a variety of DBA roles and responsibilities and discusses

such topics as data modeling and normalization, database/application design, change management, database security and data integrity, performance issues, disaster planning, and other essentials. Original. (Advanced)  
*Make Your Career with Microsoft Azure Platform Using Azure Administered Exam Prep (English Edition)* Exam Ref 70-767 Implementing a SQL Data Warehouse Conquer SQL Server 2019 administration—from the inside out Dive into SQL Server 2019 administration—and really put your SQL Server DBA expertise to work. This supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds—all you need to plan, implement, manage, and secure SQL Server 2019 in any production environment: on-premises,

cloud, or hybrid. Six experts thoroughly tour DBA capabilities available in SQL Server 2019 Database Engine, SQL Server Data Tools, SQL Server Management Studio, PowerShell, and Azure Portal. You'll find extensive new coverage of Azure SQL, big data clusters, PolyBase, data protection, automation, and more. Discover how experts tackle today's essential tasks—and challenge yourself to new levels of mastery. Explore SQL Server 2019's toolset, including the improved SQL Server Management Studio, Azure Data Studio, and Configuration Manager Design, implement, manage, and govern on-premises, hybrid, or Azure database infrastructures Install and configure SQL Server on Windows and Linux Master modern maintenance and monitoring

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

## **Exam Ref 70-762 Developing SQL Databases** Apress

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](https://microsoft.com/learning)

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