

Read Online 70 432 Microsoft
SQL Server Database

Administration Package
(Microsoft Official Academic
Course)

70 432 Microsoft SQL Server Database Administration Package (Microsoft Official Academic Course)

**This text does not include not
include a MOAC Labs Online
access code. This 70-410
Installing and Configuring
Windows Server 2012 textbook
prepares certification students
for the first of a series of three
exams which validate the skills
and knowledge necessary to
implement a core Windows Server
2012 Infrastructure into an
existing enterprise environment.**

**This Microsoft Official Academic
Course is mapped to the 70-410**

**Installing and Configuring
Windows Server 2012 exam**

**objectives. This textbook focuses
on real skills for real jobs and
prepares students to prove**

**mastery of core services such as
Active Directory and networking
services. In addition, this book
also covers such valuable skills**

**as: • Managing Active Directory
Domain Services Objects •**

**Automating Active Directory
Domain Services Administration •**

Implementing Local Storage •

Implementing File and Print

Services • Implementing Group

Policy • Implementing Server

Virtualization with Hyper-V

Implement, maintain, and repair

SQL Server 2012 databases As the

Administration Package
(Microsoft Official Academic
Course)
**most significant update since
2008, Microsoft SQL Server 2012
boasts updates and new features
that are critical to understand.**

**Whether you manage and
administer SQL Server 2012
or are planning to get your MCSA:
SQL Server 2012 certification,
this book is the perfect
supplement to your learning and
preparation. From understanding
SQL Server's roles to
implementing
business intelligence and
reporting, this practical book
explores tasks and scenarios that
a working SQL Server DBA faces
regularly and shows you step by
step how to handle them.
Includes practice exams and
coverage of exam objectives
for those seeking MCSA: SQL**

Server 2012 certification

**Explores the skills you'll need on
the job as a SQL Server 2012 DBA**

**Discusses designing and
implementing database solutions**

**Walks you through
administrating, 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.**

**Harness the power of SQL Server
2017 Integration Services to**

**build your data integration
solutions with ease About This**

**Book Acquaint yourself with all
the newly introduced features in
SQL Server 2017 Integration
Services Program and extend
your packages to enhance their
functionality This detailed, step-
by-step guide covers everything
you need to develop efficient data
integration and data**

**transformation solutions for your
organization Who This Book Is
For This book is ideal for**

**software engineers, DW/ETL
architects, and ETL developers
who need to create a new, or
enhance an existing, ETL
implementation with SQL Server
2017 Integration Services. This
book would also be good for
individuals who develop ETL**

Administration Package
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Course)
**solutions that use SSIS and are
keen to learn the new features
and capabilities in SSIS 2017.**

**What You Will Learn Understand
the key components of an ETL
solution using SQL Server
2016-2017 Integration Services
Design the architecture of a
modern ETL solution Have a good
knowledge of the new capabilities
and features added to Integration
Services Implement ETL solutions
using Integration Services for
both on-premises and Azure data
Improve the performance and
scalability of an ETL solution
Enhance the ETL solution using a
custom framework Be able to
work on the ETL solution with
many other developers and have
common design paradigms or
techniques Effectively use**

Administration Package
(Microsoft Official Academic
Courseware)

**scripting to solve complex data
issues In Detail SQL Server**

Integration Services is a tool that facilitates data extraction, consolidation, and loading options (ETL), SQL Server coding enhancements, data warehousing, and customizations. With the help of the recipes in this book, you'll gain complete hands-on experience of SSIS 2017 as well as the 2016 new features, design and development improvements including SCD, Tuning, and Customizations. At the start, you'll learn to install and set up SSIS as well other SQL Server resources to make optimal use of this Business Intelligence tools. We'll begin by taking you through the new features in SSIS 2016/2017 and implementing the

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Course)

**necessary features to get a
modern scalable ETL solution
that fits the modern data**

**warehouse. Through the course
of chapters, you will learn how to
design and build SSIS data
warehouses packages using SQL
Server Data Tools. Additionally,
you'll learn to develop SSIS
packages designed to maintain a
data warehouse using the Data
Flow and other control flow tasks.
You'll also be demonstrated many
recipes on cleansing data and
how to get the end result after
applying different
transformations. Some real-world
scenarios that you might face are
also covered and how to handle
various issues that you might
face when designing your
packages. At the end of this book,**

Administration Package
(Microsoft Official Academic
Program)

**you'll get to know all the key
concepts to perform data**

integration and transformation.

**You'll have explored on-premises
Big Data integration processes to
create a classic data warehouse,
and will know how to extend the
toolbox with custom tasks and
transforms. Style and approach
This cookbook follows a problem-
solution approach and tackles all
kinds of data integration
scenarios by using the
capabilities of SQL Server 2016
Integration Services. This book is
well supplemented with
screenshots, tips, and tricks.**

**Each recipe focuses on a
particular task and is written in a
very easy-to-follow manner.**

**Exam 70-432 Microsoft SQL
Server 2008 Implementation and**

Read Online 70 432 Microsoft
SQL Server Database

Administration Package
Maintenance John Wiley & Sons

SQL Server Hardware

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

Microsoft SQL Server 2012
Administration

Training Kit (Exam 70-462)

Exam 70-680

Exam Ref 70-331 Core Solutions
of Microsoft SharePoint Server
2013 (MCSE)

Exchange, SQL and IIS are at the core of most Microsoft enterprise servers. The 2007 releases of these products, along with the release of Windows Vista and Windows 2008 Server, represents the biggest overhaul of Windows enterprise products since

Administration Package
(Microsoft Official Academic
Course)

Windows 2000. The dramatic changes to security tools and the addition of features that support "anywhere access" present IT professionals with a steep learning curve. Making certain that these products are configured to meet regulatory compliance requirements adds additionally complexity to day-to-day management network management. The Best Damn Exchange, SQL and IIS Book Period delivers an all-in-one reference for Windows System Administrators deploying

the 2007 releases of these core Microsoft servers. The coverage is comprehensive, and provides users with just about everything they need to manage a Windows enterprise server. Special Bonus coverage includes how to gather and analyze the many log files generated by these servers. All-in-one coverage includes Exchange, SQL, and IIS Servers Integrated coverage on all key security features Bonus coverage includes analyzing server logs and integrating Communicator 2007

Your in-depth guide to using
the new Microsoft data

mining standard to solve

today's business problems

Concealed inside your data

warehouse and data marts is

a wealth of valuable

information just waiting to

be discovered. All you need

are the right tools to extract

that information and put it

to use. Serving as your

expert guide, this book

shows you how to create and

implement data mining

applications that will find

the hidden patterns from

your historical datasets. The

authors explore the core

Administration Package
(Microsoft Official Academic
Course)
concepts of data mining as
well as the latest trends.

They then reveal the best
practices in the field,
utilizing the innovative
features of SQL Server 2005
so that you can begin
building your own successful
data mining projects. You'll
learn: The principal
concepts of data mining
How to work with the data
mining algorithms included
in SQL Server data mining
How to use DMX-the data
mining query language The
XML for Analysis API The
architecture of the SQL
Server 2005 data mining

(Microsoft Official Academic Course)

component How to extend the SQL Server 2005 data mining platform by plugging in your own algorithms How to implement a data mining project using SQL Server Integration Services How to mine an OLAP cube How to build an online retail site with cross-selling features How to access SQL Server 2005 data mining features programmatically Prepare for Microsoft Exam 70-339-and help demonstrate your real-world mastery of planning, configuring, and managing Microsoft SharePoint 2016

core technologies in datacenters, in the cloud, and in hybrid environments.

Designed for experienced IT pros ready to advance their status, this Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the MCSE level.

Focus on the skills measured on the exam:

- Design

- SharePoint infrastructure

- Plan authentication and security

- Plan workload optimization

- Plan productivity solutions

- Manage search capabilities

- Plan and configure cloud

services • Monitor and optimize a SharePoint environment This Microsoft Exam Ref: • Organizes its coverage by the “Skills measured” posted on the exam webpage • Features strategic, what-if scenarios to challenge you • Provides exam preparation tips • Points to in-depth material by topic for exam candidates needing additional review • Assumes experience planning and maintaining SharePoint and related core technologies, including Windows Server 2012 R2 or later, Internet Information

Read Online 70 432 Microsoft
SQL Server Database

Administration Package
(Microsoft Official Academic
Course)
Services (IIS), Microsoft
SQL Server 2014 or later,
Active Directory, and
networking infrastructure
services

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

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Administration Package
(Microsoft Official Academic
Course)

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,

Administration Package
(Microsoft Official Academic Course)

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

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SQL Server Database

Administration Package
version.

(Microsoft Official Academic
Course)
Windows Server 2016

Beginning Spatial with SQL
Server 2008

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

Exam Ref 70-532 Developing
Microsoft Azure Solutions
MCTS Self-paced Training
Kit (exam 70-433)

Microsoft SQL Server 2012
Integration Services

*Microsoft SQL Server 2008
introduces new geography and
geometry spatial datatypes that
enable the storage of structured
data describing the shape and
position of objects in space. This*

is an interesting and exciting new feature, with many potentially useful applications. Beginning Spatial with SQL Server 2008 covers everything you need to know to begin using these new spatial datatypes, and explains how to apply them in practical situations involving the spatial relationships of people, places, and things on the earth. All of the spatial concepts introduced are explained from the ground up, so you need not have any previous knowledge of working with spatial data. Every section is illustrated with code examples that you can use directly in SQL Server. All of the topics covered in this book

*apply to all versions of SQL
Server 2008, including the freely
available SQL Server 2008*

*Express. What you'll learn
Understand the fundamental
concepts involved in working with
spatial data, including spatial
references and coordinate
systems. Apply these concepts in
the collection and storage of
spatial data in SQL Server 2008,
using the new geometry and
geography field types. Create
different types of spatial data
objects—points, lines, and
polygons—and use these to
describe real-world objects.
Learn how to analyze spatial data
using a range of supported*

methods, and be aware of a number of different practical applications for these methods. Be shown how to integrate SQL Server with other tools, such as Microsoft Virtual Earth, to display a visual representation of spatial data. Know how to ensure the performance of spatially enabled databases by creating appropriate spatial indexes. Who this book is for SQL Server developers who wish to use spatial data in Microsoft SQL Server 2008.

Prepare for Microsoft Exam 70-761—and help demonstrate your real-world mastery of SQL Server 2016 Transact-SQL data

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SQL Server Database

Administration Package
(Microsoft Official Academic
Course)

*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*

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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

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*Administration Package
(Microsoft Official Academic
Course)*

Microsoft Certification Passing this exam earns you credit toward a Microsoft Certified Solutions Associate (MCSA) certification that demonstrates your mastery of essential skills for building and implementing on-premises and cloud-based databases across organizations. Exam 70-762 (Developing SQL Databases) is also required for MCSA: SQL 2016 Database Development certification. See full details at: microsoft.com/learning

Prepare for Microsoft Exam 70-532--and help demonstrate your real-world mastery of Microsoft Azure solution development. Designed for

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Administration Package

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 and implement Websites Create and manage Virtual Machines Design and implement Cloud Services Design and implement a storage strategy Manage application and network services This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Will be valuable for Microsoft Azure

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Administration Package

developers, solution architects, DevOps engineers, and QA

engineers Assumes you have

experience designing,

programming, implementing,

automating, and monitoring

Microsoft Azure solutions and

that you are proficient with tools,

techniques, and approaches for

building scalable, resilient

solutions Developing Microsoft

Azure Solutions About the Exam

Exam 70-532 focuses on the

skills and knowledge needed to

develop Microsoft Azure

solutions that include websites,

virtual machines, cloud services,

storage, application services, and

network services. About

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*Microsoft Certification Passing
this exam earns you a Microsoft
(Microsoft Official Academic
Course)
Specialist certification in*

*Microsoft Azure, demonstrating
your expertise with the Microsoft
Azure enterprise-grade cloud
platform. You can earn this
certification by passing Exam
70-532, Developing Microsoft
Azure Solutions; or Exam
70-533, Implementing Microsoft
Azure Infrastructure Solutions; or
Exam 70-534, Architecting
Microsoft Azure Solutions. See
full details at:*

microsoft.com/learning

*A must-have resource for
students preparing to become
certified for the 70-444 and*

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SQL Server Database

Administration Package
70-432 Microsoft SQL Server
(Microsoft Official Academic
Course)
2005/2008 Database

Administration exam Written by academics under the supervision of the experts at Microsoft, this manual gets instructors ready to teach and students ready to work on the design and implementation of security or server automation as well as SQL server activity monitoring and troubleshooting. The book provides rigorous, realistic exercises covering everything from installing and configuring Microsoft SQL Server and managing and maintaining databases and multidimensional databases, user accounts,

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SQL Server Database

Administration Package

*database availability, recovery,
(Microsoft Official Academic
Course)
and reporting. Instructor*

*readiness, student software,
student assessment, instruction
resources, and learning
validation are also covered in
detail.*

*SQL Server 2017 Integration
Services Cookbook*

*A Hands-on Guide to Data
Manipulation in SQL*

*The Best Damn Exchange, SQL
and IIS Book Period*

*The Real MCTS SQL Server
2008 Exam 70-433 Prep Kit*

*SQL Server 2019 Administration
Inside Out*

SQL Queries for Mere Mortals

This is the eBook of the printed

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(Microsoft Official Academic Course)

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

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(Microsoft Official Academic Course)
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.

Presents lessons covering exam objectives, practice exercises, real-world scenarios, and practice exams on the accompanying CD-ROM.

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

Read Online 70 432 Microsoft SQL Server Database Administration Package

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

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new levels of mastery. Explore
SQL Server 2019 ' s toolset,

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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

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Administration Package

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

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(Microsoft Official Academic Course)

Extend your programming skills with a comprehensive study of the key features of SQL Server 2008. Delve into the new core capabilities, get practical guidance from expert developers, and put their code samples to work. This is a must-read for Microsoft .NET and SQL Server developers who work with data access—at the database, business logic, or presentation levels. Discover how to: Query complex data with powerful Transact-SQL enhancements Use new, non-relational features: hierarchical tables, native file streaming, and geospatial capabilities Exploit

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Course)

XML inside the database to
design XML-aware applications
Consume and deliver your data
using Microsoft LINQ, Entity
Framework, and data binding
Implement database-level
encryption and server auditing
Build and maintain data
warehouses Use Microsoft Excel
to build front ends for OLAP
cubes, and MDX to query them
Integrate data mining into
applications quickly and
effectively. Get code samples on
the Web.

Database Implementation and
Maintenance

SQL Server 2016 Developer's
Guide

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SQL Server Database

Administration Package
(Microsoft Official Academic
Course)

The Definitive Guide to DAX
Exam 70-432 Microsoft SQL
Server 2008 Implementation
and Maintenance Lab Manual
Exam Ref 70-761 Querying Data
with Transact-SQL

SQL Server 2008 Administration

This comprehensive and authoritative guide will teach you the DAX language for business intelligence, data modeling, and analytics. Leading Microsoft BI consultants Marco Russo and Alberto Ferrari help you master everything from table functions through advanced code and model optimization. You'll learn exactly what happens under the hood when you run a DAX expression,

how DAX behaves differently from other languages, and how to use this knowledge to write fast, robust code. If you want to leverage all of DAX's remarkable power and flexibility, this no-compromise "deep dive" is exactly what you need. Perform powerful data analysis with DAX for Microsoft SQL Server Analysis Services, Excel, and Power BI Master core DAX concepts, including calculated columns, measures, and error handling Understand evaluation contexts and the CALCULATE and CALCULATETABLE functions Perform time-based calculations: YTD, MTD,

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*previous year, working days,
(Microsoft Official Academic
Tables), complex functions,
and elaborate DAX
expressions Perform
calculations over
hierarchies, including
parent/child hierarchies Use
DAX to express diverse and
unusual relationships
Measure DAX query
performance with SQL Server
Profiler and DAX Studio
Prepare for Exam 70-331—and
help demonstrate your real-
world mastery of Microsoft
SharePoint Server 2013 core
solutions. Designed for
experienced IT professionals
ready to advance their
status, Exam Ref focuses on
the critical-thinking and*

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Course)

**decision-making acumen
needed for success at the
MCSE level. Focus on the
expertise measured by these
objectives: Design a
SharePoint Topology Plan
Security Install and
Configure SharePoint Farms
Create and Configure Web
Applications and Site
Collections Maintain a Core
SharePoint Environment This
Microsoft Exam Ref:
Organizes its coverage by
exam objectives. Features
strategic, what-if scenarios
to challenge you.
Prepare for certification in
Windows 7 configuration with
this all-new study guide
This comprehensive book
guides readers through**

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SQL Server Database

Administration Package

**preparation for Microsoft's
brand new MCTS: Windows 7,
Configuring exam (70-680).
You'll find 100% coverage of
all exam objectives;
practical, real-world
scenarios; hands-on
exercises, and challenging
review questions, both in
the book and on the CD
included with the book.
Prepares you for the new
exam 70-680, the Microsoft
Certified Technology
Specialist certification for
Windows 7; Windows 7 is
Microsoft's new operating
system releasing in late
2009 Shows you how to
install, configure, and
maintain Windows 7 for the
exam Covers upgrading and**

Administration Package
migrating; deploying Windows
(Microsoft Official Academic
Copy)
7; configuring hardware
applications, network
connectivity, access to
resources, and mobile
computing; monitoring and
maintaining; handling backup
and recovery, and more This
is the ideal guide to
prepare you for Microsoft's
new Windows 7 certification.
SQL Server 2008 is the
latest update to Microsoft's
flagship database management
system. This is the largest
update since SQL Server
2005. SQL Server 2008 is a
much more significant update
than SQL Server 2005,
because it brings increased
ability to deliver data
across more platforms, and

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Course)

thus many different types of devices. New functionality also allows for easy storage and retrieval of digitized images and video. These attributes address the recent explosion in the popularity of web-based video and server and desktop virtualization. The Real MCTS SQL Server 2008 Exam 70-432 Prep Kit prepares readers for the Microsoft Certified Technology Specialist exam: SQL Server 2008, Implementation and Maintenance. This is The 'Real' Microsoft Exam Prep Kit, and provides the reader with independent and unbiased exam tips and warnings everything they

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need to know to ensure
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Authored by Mark Horninger,
a nationally recognized
leader in SQL Server with
over 50 Microsoft

certifications to his
credit; Mark knows what it
takes to successfully
navigate Microsoft exams.

Complete study package
offers Syngress proven
pedagogy including practice
exams via the book's
companion site

Exam Ref 70-698 Installing
and Configuring Windows 10
Data Mining with Microsoft
SQL Server 2008

Introducing Microsoft SQL
Server 2019

Administering Microsoft SQL

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SQL Server Database

Administration Package
Server 2012 Databases

(Microsoft Official Academic
SharePoint Server 2013

**Microsoft SQL Server 2008 --
Database Development**

SQL Server 2008 is the latest update to Microsoft's flagship database management system. This is the largest update since SQL Server 2005. SQL Server 2008 is a much more significant update than SQL Server 2005, because it brings increased ability to deliver data across more platforms, and thus many different types of devices. New functionality also allows for easy storage and retrieval of digitized images and video. These attributes address the

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recent explosion in the popularity of web-based video and server and desktop virtualization. The Real MCTS SQL Server 2008 Exam 70-432 Prep Kit prepares readers for the Microsoft Certified Technology Specialist exam: SQL Server 2008, Implementation and Maintenance. This is The 'Real' Microsoft Exam Prep Kit, and provides the reader with independent and unbiased exam tips and warnings everything they need to know to ensure certification success. Authored by Mark Horninger, a nationally recognized leader in SQL Server with over 50 Microsoft

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Administration Package

certifications to his credit; Mark knows what it takes to successfully navigate Microsoft exams.

Ace your preparation for the skills measured by MCTS Exam 70-433—and on the job. Work at your own pace through a series of lessons and reviews that fully cover each exam objective. Then, reinforce and apply what you've learned through real-world case scenarios and practice exercises. This official Microsoft study guide is designed to help you make the most of your study time. Maximize your performance on the exam by learning to: Create and manage database objects

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Course*) Optimize table

structures and data

integrity Create stored

procedures, functions, and

triggers Manage

transactions, error

handling, and change

tracking Tune query

performance Implement

database mail, full-text

search, Service Broker,

scripts Work with XML and

SQLCLR Assess your skills

with the practice tests on

CD. You can work through

hundreds of questions using

multiple testing modes to

meet your specific learning

needs. You get detailed

explanations for right and

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wrong answers—including a customized learning path that describes how and where to focus your studies. Your kit includes: 15% exam discount from Microsoft. Offer expires 12/31/13. Details inside. Official self-paced study guide. Practice tests with multiple, customizable testing options and a learning plan based on your results. 200 practice and review questions. 180-day trial of SQL Server 2008 Enterprise Edition. Case scenarios, exercises, and best practices. Fully searchable eBook of this guide, plus sample chapters from related books. A Note

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Case)

Regarding the CD or DVD The print version of this book ships with a CD or DVD. For those customers purchasing one of the digital formats in which this book is available, we are pleased to offer the CD/DVD content as a free download via OReilly Medias Digital Distribution services. To download this content, please visit OReillys web site, search for the title of this book to find its catalog page, and click on the link below the cover image (Examples, Companion Content, or Practice Files). Note that while we provide as much of the media content as we are able via free download, we

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are sometimes limited by
(Microsoft Official Academic
Course) licensing restrictions.

Please) direct any questions
or concerns to
booktech@oreilly.com.

This book follows the newest iterations of the Microsoft Official Academic Course (MOAC) program for database administration courses using SQL Server 2005 and SQL Server 2008. It provides the information and resources needed to prepare students for the Microsoft Certified Information Technology Professional (MCITP) 70-444 exam for SQL Server 2005, and the 70-432 Microsoft Certified Technology Specialist (MCTS) exam for SQL Server 2008. Hands On

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Administration Package
Exercises and Certification
(Microsoft Official Academic
Ready features are
integrated with the
accompanying Lab Manual
throughout the chapters that
enable them to reinforce
what they've learned by
completing various
exercises. Business cases
are presented to provide a
real world perspective on
how the information is used
in the field. The book also
includes a CD that enables
students with exam practice
and instant feedback. By
following the exercises in
this book, students will
learn how to install and
configure SQL Server, manage
databases, implement
security, troubleshoot SQL

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Administration Package
activity, and more.

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Course)
SQL Server Hardware will
provide the fundamental

knowledge and resources you
need to make intelligent
decisions about choice, and
optimal installation and
configuration, of SQL Server
hardware, operating system
and the SQL Server RDBMS.

Exam Ref 70-744 Securing
Windows Server 2016

Microsoft SQL Server
2008--implementation and
Maintenance

Microsoft SQL Server 2008
Reporting Services Step by
Step

Exam Ref 70-743 Upgrading
Your Skills to MCSA

SQL Server 2017

Administration Inside Out

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*Administration Package,
Reliability, scalability,
(Microsoft Official Academic
Course) and security both on
premises and in the cloud*

SQL Server 2008 is the latest update to Microsoft's flagship database management system. This is the largest update since SQL Server 2005, and it brings increased ability to deliver data across more platforms, and thus many different types of devices. New functionality also allows for easy storage and retrieval of digitized images and video. These attributes address the recent explosion in the popularity of web-based video and server and desktop virtualization. The Real MCTS SQL Server 2008 Exam 70-433

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Administration Package
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Course)
Prep Kit prepares readers for
the Microsoft Certified

Technology Specialist exam:
SQL Server 2008, Database
Development. This is a new
exam in the SQL Server
product family, and is
comprised of some objectives
from exam 70-431 from SQL
Server 2005, and covers new,
expanded query capabilities in
SQL Server 2008. According to
Microsoft: Exam 70-431 for SQL
Server 2005 was passed by
over 35,000 people. ~ 150,000
people passed a similar exam
for SQL Server 2000.

Additionally, this exam is a pre-
requisite for those going on to
obtain the MCITP: Database

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Developer 2008: Successful
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Course)
candidates for the SQL Server
2005 MCITP ~ 2,500. This is
The 'Real' Microsoft Exam Prep
Kit, and provides the reader
with independent and unbiased
exam tips and warnings
everything they need to know
to ensure certification success.
Authored by Mark Horninger, a
nationally recognized leader in
SQL Server with over 50
Microsoft certifications to his
credit; Mark knows what it
takes to successfully navigate
Microsoft exams.
Prepare for Microsoft Exam
70-740—and help demonstrate
your real-world mastery of
Windows Server 2016

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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: •

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Organizes its coverage by exam objectives • Features strategic, what-if scenarios to challenge you • Assumes you have experience working with Windows Server in an enterprise environment; are familiar with core networking infrastructure, topologies, architectures, and protocols; and have experience with Windows clients and virtualization About the Exam Exam 70-740 focuses on the skills and knowledge necessary to implement and configure storage and compute features and functionality in Windows Server 2016. About Microsoft Certification Passing this exam

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earns you credit toward a Microsoft Certified Solutions Associate (MCSA) certification that demonstrates your mastery of core Windows Server 2016 skills for reducing IT costs and delivering more business value. Exam 70-741 (Networking with Windows Server 2016) and Exam 70-742 (Identity with Windows Server 2016) are also required for MCSA: Windows Server 2016 certification. See full details at: microsoft.com/learning

EXAM PREP GUIDE

Ace your preparation for the skills measured by MCTS Exam 70-432--and on the job. Work at your own pace through a

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series of lessons and reviews that fully cover each exam objective. Then, reinforce and apply what you've learned through real-world case scenarios and practice exercises. This official Microsoft study guide is designed to help you make the most of your study time. Maximize your performance on the exam by learning to:

- Configure, manage, back up, and restore databases
- Create a partitioned table, index, or indexed view
- Configure services and components to manage your environment
- Help prevent unauthorized access at each security

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Course)

infrastructure layer Design and
deploy high-availability
solutions Manage SQL Server

Agent jobs, alerts, and
operators Identify service,
concurrency, and job execution
problems PRACTICE TESTS

Assess your skills with the
practice tests on CD. You can
work through hundreds of
questions using multiple
testing modes to meet your
specific learning needs. You
get detailed explanations for
right and wrong
answers--including a
customized learning path that
describes how and where to
focus your studies. Your kit
includes: Official self-paced

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study guide. Practice tests with multiple, customizable testing options and a learning plan based on your results. 250+ practice and review questions. Case scenarios, exercises, and best practices. Sample chapters from related Microsoft Press books. 180-day trial of SQL Server 2008 Enterprise Edition. Fully searchable eBook of this guide. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook. The ideal on-the-job reference guide for SQL Server 2008 database administrators If you manage and administer SQL

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Server 2008 in the real world, you need this detailed guide at your desk. From planning to disaster recovery, 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. Topics include installation and configuration, creating databases and tables, optimizing the database server, planning for high availability, and more. And, if you're preparing for MCTS or MCITP certification in SQL Server 2008 administration, this book is the perfect supplement to your preparation, featuring a CD

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Administration Package

with practice exams,
flashcards, and video
(Microsoft Official Academic
Course)

walkthroughs of the more
difficult administrative tasks
Delves into Microsoft's SQL
Server 2008, a rich set of
enterprise-level database
services for business-critical
applications Explores the skills
you'll need on the job as a SQL
Server 2008 administrator
Shows you how to implement,
maintain, and repair the SQL
Server database, including
bonus videos on the CD where
the authors walks you through
the more difficult tasks Covers
database design, installation
and configuration, creating
databases and tables, security,

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Administration Package

backup and high availability,
(Microsoft Official Academic
Course) and more Supplements your
preparation for MCTS and

MCITP SQL Server 2008

certification with in-depth

coverage of the skill sets

required for certification, as

defined by Microsoft Uses

hands-on exercises and real-

world scenarios to keep what

you're learning grounded in the

reality of the workplace Make

sure you're not only prepared

for certification, but also for

your job as a SQL Server 2008

administrator, with this

practical reference! Note: CD-

ROM/DVD and other

supplementary materials are

not included as part of eBook

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file.

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Course)
Business intelligence with
Microsoft Excel, SQL Server
Analysis Services, and Power BI
Programming Microsoft SQL
Server 2008

Real-World Skills for MCITP
Certification and Beyond
(Exams 70-432 and 70-450)
MCTS Windows 7 Configuration
Study Guide

The Real MCTS SQL Server
2008 Exam 70-432 Prep Kit
Exam Ref 70-740 Installation,
Storage and Compute with
Windows Server 2016

**Conquer SQL Server 2017
administration—from the inside out**
**Dive into SQL Server 2017
administration—and really put your**

SQL Server DBA expertise to work. This supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds—all you need to plan, implement, manage, and secure SQL Server 2017 in any production environment: on-premises, cloud, or hybrid. Four SQL Server experts offer a complete tour of DBA capabilities available in SQL Server 2017 Database Engine, SQL Server Data Tools, SQL Server Management Studio, and via PowerShell. Discover how experts tackle today's essential tasks—and challenge yourself to new levels of mastery. • Install, customize, and use SQL Server 2017's key administration and development tools • Manage memory, storage, clustering, virtualization, and other components • Architect and implement database infrastructure, including IaaS, Azure SQL, and hybrid

cloud configurations • Provision SQL Server and Azure SQL databases • Secure SQL Server via encryption, row-level security, and data masking • Safeguard Azure SQL databases using platform threat protection, firewalling, and auditing • Establish SQL Server IaaS network security groups and user-defined routes • Administer SQL Server user security and permissions • Efficiently design tables using keys, data types, columns, partitioning, and views • Utilize BLOBs and external, temporal, and memory-optimized tables • Master powerful optimization techniques involving concurrency, indexing, parallelism, and execution plans • Plan, deploy, and perform disaster recovery in traditional, cloud, and hybrid environments For Experienced SQL Server Administrators and Other Database

**Administration Package
(Microsoft Official Academic
Course)**
**Professionals • Your role: Intermediate-
to-advanced level SQL Server database
administrator, architect, developer, or
performance tuning expert •**

**Prerequisites: Basic understanding of
database administration procedures
Presents lessons, reviews, exercises, real-
life scenarios, and practice exams to
help prepare for the Microsoft's 70-643
exam.**

**Explore the impressive storage and
analytic tools available with the in-cloud
and on-premises versions of Microsoft
SQL Server 2019. Key FeaturesGain
insights into what's new in SQL Server
2019Understand use cases and customer
scenarios that can be implemented with
SQL Server 2019Discover new cross-
platform tools that simplify
management and analysisBook
Description Microsoft SQL Server
comes equipped with industry-leading**

features and the best online transaction processing capabilities. If you are

looking to work with data processing and management, getting up to speed with Microsoft Server 2019 is key.

Introducing SQL Server 2019 takes you through the latest features in SQL Server 2019 and their importance. You will learn to unlock faster querying speeds and understand how to leverage the new and improved security features to build robust data management solutions. Further chapters will assist you with integrating, managing, and analyzing all data, including relational, NoSQL, and unstructured big data using SQL Server 2019. Dedicated sections in the book will also demonstrate how you can use SQL Server 2019 to leverage data processing platforms, such as Apache Hadoop and Spark, and containerization

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Course)

technologies like Docker and Kubernetes to control your data and efficiently monitor it. By the end of this book, you'll be well versed with all the features of Microsoft SQL Server 2019 and understand how to use them confidently to build robust data management solutions. What you will learn
Build a custom container image with a Dockerfile
Deploy and run the SQL Server 2019 container image
Understand how to use SQL server on Linux
Migrate existing paginated reports to Power BI Report Server
Learn to query Hadoop Distributed File System (HDFS) data using Azure Data Studio
Understand the benefits of In-Memory OLTP
Who this book is for
This book is for database administrators, architects, big data engineers, or anyone who has experience with SQL Server and wants

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Course)
to explore and implement the new
features in SQL Server 2019. Basic
working knowledge of SQL Server and
relational database management system
(RDBMS) is required.

**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 Exam Ref 70-339 Managing Microsoft SharePoint Server 2016 Applied Microsoft Business Intelligence Real-World Skills for MCSA Certification and Beyond (Exams 70-461, 70-462, and 70-463)

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SQL Server Database

Administration Package

Exam 70-432
Configuring Windows Server 2008

Applications Infrastructure

**MCTS Self-paced Training Kit (exam
70-432)**

Teach yourself how to build, manage, and access SQL Server 2008 reports—one step at a time. Whether you're a report developer, IT administrator, or business user, this sequential, learn-by-doing tutorial shows you how to deliver the business intelligence information your organization needs. Discover how to: Install and configure Reporting Services Put Report Builder and Report Designer tools to work Create interactive, online reports that enable users to sort and filter data Add charts and gauges to present data visually

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Course)

Deploy reports to Microsoft Office
SharePoint Server Monitor server
performance and help secure content
Use subscriptions to distribute reports
via e-mail Build ad hoc reports and
extend them with custom code CD
features: Practice exercises and code
samples Fully searchable eBook For
customers who purchase an ebook
version of this title, instructions for
downloading the CD files can be found
in the ebook.

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.

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Course)

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.

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

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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

Prepare for Microsoft Exam

70-698—and help demonstrate your real-

world mastery of Windows 10

installation and configuration. Designed

for experienced IT pros ready to

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Course)

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: •

Prepare for and perform Windows 10 installation • Configure devices and device drivers • Perform post-installation configuration • Implement Windows in the enterprise • Configure and support networking, storage, data access, and usage • Implement apps • Configure remote management • Configure updates, recovery, authorization, authentication, and management tools • Monitor Windows

This Microsoft Exam Ref: • Organizes its coverage by the “Skills measured” posted on the exam webpage • Features strategic, what-if scenarios to challenge

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you • Provides exam preparation tips
written by top trainers • 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 10
Database Design

Microsoft SQL Server 2008

Implementation and Maintenance

Data Mining with SQL Server 2005

MCTS Self-paced Training Kit (exam
70-643)

Exam 70-410 Installing and
Configuring Windows Server 2012

***Leverage the integration of
SQL Server and Office for
more effective BI Applied
Microsoft Business***

Intelligence shows you how to leverage the complete set of Microsoft

tools—including Microsoft Office and SQL Server—to better analyze business data.

This book provides best practices for building complete BI solutions using the full Microsoft toolset. You will learn how to effectively use SQL Server Analysis and Reporting Services, along with Excel, SharePoint, and other tools to provide effective and cohesive solutions for the enterprise. Coverage includes BI architecture, data queries, semantic models,

multidimensional modeling, data analysis and visualization, performance monitoring, data mining, and more, to help you learn to perform practical business analysis and reporting. Written by an author team that includes a key member of the BI product team at Microsoft, this useful reference provides expert instruction for more effective use of the Microsoft BI toolset. Use Microsoft BI suite cohesively for more effective enterprise solutions Search, analyze, and visualize data more efficiently and completely

***Develop flexible and scalable
tabular and***

multidimensional models

***Monitor performance, build a
BI portal, and deploy and
manage the BI Solution***

***Get the most out of the rich
development capabilities of
SQL Server 2016 to build
efficient database applications***

for your organization About

This Book Utilize the new

***enhancements in Transact-
SQL and security features in***

***SQL Server 2016 to build
efficient database applications***

***Work with temporal tables to
get information about data***

stored in the table at any point

*in time A detailed guide to
SQL Server 2016, introducing
you to multiple new features*

*and enhancements to improve
your overall development*

experience Who This Book Is

*For This book is for database
developers and solution*

*architects who plan to use the
new SQL Server 2016 features*

for developing efficient

database applications. It is

*also ideal for experienced SQL
Server developers who want to*

switch to SQL Server 2016 for

its rich development

capabilities. Some

understanding of the basic

database concepts and

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Transact-SQL language is assumed. What You Will Learn

Explore the new development features introduced in SQL Server 2016 Identify opportunities for In-Memory OLTP technology, significantly enhanced in SQL Server 2016 Use columnstore indexes to get significant storage and performance improvements Extend database design solutions using temporal tables Exchange JSON data between applications and SQL Server in a more efficient way Migrate historical data transparently and securely to Microsoft Azure by using

Stretch Database Use the new security features to encrypt or to have more granular control over access to rows in a table
Simplify performance troubleshooting with Query Store
Discover the potential of R's integration with SQL Server
In Detail Microsoft SQL Server 2016 is considered the biggest leap in the data platform history of the Microsoft, in the ongoing era of Big Data and data science. Compared to its predecessors, SQL Server 2016 offers developers a unique opportunity to leverage the advanced features and build

applications that are robust, scalable, and easy to administer. This book introduces you to new features of SQL Server 2016 which will open a completely new set of possibilities for you as a developer. It prepares you for the more advanced topics by starting with a quick introduction to SQL Server 2016's new features and a recapitulation of the possibilities you may have already explored with previous versions of SQL Server. The next part introduces you to small delights in the Transact-SQL language and then

switches to a completely new technology inside SQL Server - JSON support. We also take a look at the Stretch database, security enhancements, and temporal tables. The last chapters concentrate on implementing advanced topics, including Query Store, columnstore indexes, and In-Memory OLTP. You will finally be introduced to R and how to use the R language with Transact-SQL for data exploration and analysis. By the end of this book, you will have the required information to design efficient, high-performance database

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Course)

applications without any hassle. Style and approach This book is a detailed guide to mastering the development features offered by SQL Server 2016, with a unique learn-as-you-do approach. All the concepts are explained in a very easy-to-understand manner and are supplemented with examples to ensure that you—the developer—are able to take that next step in building more powerful, robust applications for your organization with ease. Understand how to use the new features of Microsoft SQL Server 2008 for data mining by

***using the tools in Data Mining
with Microsoft SQL Server***

***2008, which will show you how
to use the SQL Server Data
Mining Toolset with Office
2007 to mine and analyze data.
Explore each of the major data
mining algorithms, including
naive bayes, decision trees,
time series, clustering,
association rules, and neural
networks. Learn more about
topics like mining OLAP
databases, data mining with
SQL Server Integration
Services 2008, and using
Microsoft data mining to solve
business analysis problems.
Presents a guide to writing***

effective SQL queries, from simple data selection and filtering to joining multiple tables and modifying sets of data, with information on how to solve a variety of challenging SQL problems.