

Online Library
Windows Azure
Sql Database

**Windows
Azure Sql
Database Pr
ogramming
Design**

**Master Windows
8.1/Windows
Runtime
Programming**

Online Library

Windows Azure

Sql Database

Programming

Design

**Through 80 Expert
Projects This is the
most complete,
hands-on, solutions-
focused guide to
programming
modern Windows
applications with
the Windows
Runtime. Leading
Windows
development**

Online Library

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Sql Database

consultants **Jeremy**

Likness and John

Garland present

easy-to-adapt C#

and XAML

example code for

more than 80

projects. Their real-

world application

examples help you

apply Windows

8.1's best

Online Library
Windows Azure

Sql Database
Programming
Design
**improvements,
including large
files, the new**

**search control,
flyouts, command
bars, native WinRT
networking, and
new deployment
and sideloading
options. Drawing
on their pioneering
experience, they**

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Programming
Design

**illuminate key
areas of the
Windows Runtime
API, offering
uniquely detailed
coverage of
encryption, cloud
connectivity,
devices, printers,
and media
integration. You'll
find cutting-edge**

Online Library
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Design

**tips and tricks
available in no
other book. This is
an indispensable
resource for all inte
rmediate-to-
advanced Windows
developers, and for
any architect
building desktop,
tablet, or mobile
solutions with**

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Microsoft technologies. Its focus on both C# and XAML will make it valuable to millions of Windows developers already familiar with Silverlight, WPF, and/or .NET. Coverage includes

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Programming

Design

- **Creating robust app interfaces with the newest XAML controls, including flyouts and command bars**
- **Saving data in a persistent “roaming zone” for syncing across Windows 8.1 devices**
- **Using**

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Programming

Design

**Visual State
Manager (VSM) to
build apps that
adapt to various
device resolutions
and orientations •
Integrating
virtually any form
of data into your
apps • Connecting
with web services,
RSS, Atom feeds,**

Online Library

Windows Azure

Sql Database

and social networks

Programming

• **Securing apps via**

Design

authentication,

encrypting, signing,

and single sign-on

with Microsoft

Account, Facebook,

Google, and more •

Leveraging

Windows 8.1 media

enhancements that

improve battery life

Online Library
Windows Azure
Sql Database
and app
Programming
performance •
Design

Networking more effectively with Windows 8.1's revamped HTTP implementation and new location APIs • Using Tiles and Toasts to keep apps alive and connected, even

Online Library
Windows Azure
Sql Database
Programming
Design

**when they aren't
running • Enabling
users to send
content between
devices via NFC
tap and send •
Ensuring
accessibility and
globalizing your
apps • Efficiently
debugging,
optimizing,**

Online Library
Windows Azure

Sql Database
Programming
Design

**packaging, and
deploying your
apps • Building
sideloadable apps
that don't have to
be published in
Windows Store
“This book doesn't
just focus on
singular concepts,
it also provides end-
to-end perspective**

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Windows Azure

Sql Database

**on building an app
in WinRT. It is one
of those essential**

**tools for Windows
developers that will
help you complete
your software goals
sooner than**

**without it!” —Tim
Heuer, Principal
Program Manager
Lead, XAML**

In the race to compete in today's fast-moving markets, large enterprises are busy adopting new technologies for creating new products, processes, and

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business models.

Programming

But one obstacle on

Design

the road to digital

transformation is

placing too much

emphasis on

technology, and not

enough on the types

of processes

technology enables.

What if different

lines of business

could build their own services and applications—and decision-making was distributed rather than centralized? This report explores the concept of a digital business platform as a way of empowering

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Programming

Design

individual business sectors to act on data in real time.

Much innovation in a digital enterprise will increasingly happen at the edge, whether it involves business users (from marketers to data scientists) or IoT devices. To

**facilitate the
process, your core
IT team can
provide these
sectors with the
digital tools they
need to innovate
quickly. This
report explores:
Key cultural and
organizational
changes for**

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Programming
Design

**developing business
capabilities
through cross-
functional product
teams A platform
for integrating
applications, data
sources, business
partners, clients,
mobile apps, social
networks, and IoT
devices Creating**

Online Library
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Sql Database
Programming
Design

**internal API
programs for
building innovative
edge services in low-
code or no-code
environments Tools
including
Integration
Platform as a
Service,
Application
Platform as a**

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Sql Database
Programming
Design

**Service, and
Integration
Software as a
Service The
challenge of
integrating
microservices and
serverless
architectures Event-
driven
architectures for
processing and**

Online Library
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Sql Database
Programming
Design

**reacting to events
in real time You'll
also learn about a
complete pervasive
integration solution
as a core
component of a
digital business
platform to serve
every audience in
your organization.
Learn the nuts and**

Online Library
Windows Azure
Sql Database
Programming
Design

**bolts of cloud
computing with
Windows Azure,
Microsoft's new
Internet services
platform. Written
by a key member of
the product
development team,
this book shows
you how to build,
deploy, host, and**

Online Library
Windows Azure
Sql Database
**manage
applications using
Windows Azure's
programming
model and essential
storage services.
Chapters in
Programming
Windows Azure are
organized to reflect
the platform's
buffet of services.**

The book's first half focuses on how to write and host application code on Windows Azure, while the second half explains all of the options you have for storing and accessing data on the platform with high

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**scalability and
reliability. Lots of
code samples and
screenshots are
available to help
you along the way.
Learn how to build
applications using
the Windows Azure
toolset Discover
how Windows
Azure works under**

**the hood, and learn
the how and the
why behind several
features Choose to
write application
code in .NET or
other languages
such as C/C++,
PHP, or Ruby
Understand the
various options for
managing your**

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Sql Database
Programming
Design

**service Get up to
speed on Azure's
storage services,
including blobs,
queues, and tables
Build a secure
backup system, and
learn about cloud
application
security,
cryptography, and
performance**

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This book helps you to get started how to write Go program to access SQL Server and Microsoft Azure SQL Database. The following is highlight topic in this book: * Setup Development Environment *

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Sql Database

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Design

Hello World - Go

and SQL Server *

CRUD Operations

*** Working with**

Image and Blob

Data * Transaction

*** Stored**

Procedures *

Microsoft Azure

SQL Database

Programming

Microsoft's Clouds

Online Library
Windows Azure
Sql Database
**Building
Applications in the
Microsoft Cloud
Beginning
Microsoft SQL
Server 2008
Programming
Building Cloud
Apps with
Microsoft Azure
Windows Azure
SQL Database**

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Sql Database

Programming and

Design

Practical Azure

SQL Database for

Modern Developers

*Build a modern data
warehouse on*

Microsoft's Azure

*Platform that is flexible,
adaptable, and fast—fast*

to snap together,

*reconfigure, and fast at
delivering results to*

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Design

drive good decision making in your business. Gone are the days when data warehousing projects were lumbering dinosaur-style projects that took forever, drained budgets, and produced business intelligence (BI) just in time to tell you what to do 10 years ago. This book will show you how

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to assemble a data warehouse solution like a jigsaw puzzle by connecting specific Azure technologies that address your own needs and bring value to your business. You will see how to implement a range of architectural patterns using batches, events, and streams for both data lake technology and SQL

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databases. You will discover how to manage metadata and automation to accelerate the development of your warehouse while establishing resilience at every level. And you will know how to feed downstream analytic solutions such as Power BI and Azure Analysis Services to empower

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Programming
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data-driven decision making that drives your business forward toward a pattern of success. This book teaches you how to employ the Azure platform in a strategy to dramatically improve implementation speed and flexibility of data warehousing systems. You will know how to make correct decisions

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Sql Database

in design, architecture, and infrastructure such as choosing which type of SQL engine (from at least three options) best meets the needs of your organization. You also will learn about ETL/ELT structure and the vast number of accelerators and patterns that can be used to aid implementation and

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Programming

Design

ensure resilience. Data warehouse developers and architects will find this book a tremendous resource for moving their skills into the future through cloud-based implementations.

What You Will

Learn Choose the appropriate Azure SQL engine for implementing a given data warehouse

Develop smart, reusable

ETL/ELT processes that are resilient and easily maintained Automate mundane development tasks through tools such as PowerShell Ensure consistency of data by creating and enforcing data contracts Explore streaming and event-driven architectures for data ingestion Create advanced staging layers using Azure Data Lake

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*Gen 2 to feed your data
warehouse Who This*

Book Is For Data

*warehouse or ETL/ELT
developers who wish to
implement a data
warehouse project in the
Azure cloud, and
developers currently
working in on-premise
environments who want
to move to the cloud,
and for developers with
Azure experience*

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*looking to tighten up
their implementation
and consolidate their
knowledge*

*Explore the impressive
storage and analytic
tools available with the
in-cloud and on-
premises versions of
Microsoft SQL Server
2019. Key Features Gain
insights into what's new
in SQL Server
2019 Understand use*

Online Library
Windows Azure

Sql Database
Programming
Design
*cases and customer
scenarios that can be
implemented with SQL*

*Server 2019 Discover
new cross-platform
tools that simplify
management and
analysis* Book

*Description Microsoft
SQL Server comes
equipped with industry-
leading features and the
best online transaction
processing capabilities.*

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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

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Windows Azure
Sql Database
Programming
Design

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

Online Library
Windows Azure
Sql Database
Programming
Design

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 technologies like Docker and Kubernetes to control your data and efficiently monitor it. By the end of this book, you'll be well versed

Online Library
Windows Azure
Sql Database
Programming
Design
*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

Online Library
Windows Azure
Sql Database
Programming
Design

*to use SQL server on
LinuxMigrate existing
paginated reports to
Power BI Report
ServerLearn to query
Hadoop Distributed File
System (HDFS) data
using Azure Data
StudioUnderstand the
benefits of In-Memory
OLTPWho this book is
for This book is for
database*

administrators,
Page 48/286

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Design

architects, big data engineers, or anyone who has experience with SQL Server and wants 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.

Part of the “Microsoft

Online Library

Windows Azure

Sql Database

Azure Essentials”

series, this ebook helps

SQL Server database

users understand

Microsoft’s offering for

SQL Server in Azure.

Learn how SQL Server

in Azure is similar to

SQL Server in an on-

premises environment,

and how they are

different. The author, a

content lead for

Azure.com, walks you

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Programming

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through the steps of getting started with SQL Server in an Azure virtual machine and with Azure SQL Database. Follow the numerous screenshots to create a trial subscription, create SQL Server in an Azure virtual machine, create an Azure SQL Database, migrate an on-premises database to

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Windows Azure
Sql Database
each Azure
Programming
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environment, create users, back up and restore data, and archive data.

"One of the most popular databases worldwide is Microsoft's SQL Server. Now Microsoft has introduced their MPP data warehouse system, designed for the cloud, called the Microsoft

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Programming

Azure SQL Data

Warehouse. The

Microsoft Azure Cloud

is rapidly making T-SQL

one of the standards of

SQL among millions of

companies. This book

details the architecture

of the Azure SQL Data

Warehouse and the SQL

commands available.

This book is perfect for

anyone who works with

the Microsoft Azure

SQL Data Warehouse. This book educates readers on how to create tables and indexes, how the data is distributed, and how the system process the data. Plus, it is followed up with over 700 pages of SQL examples and explanations. This book is a must have for anyone designing, implementing or

Online Library
Windows Azure
Sql Database
Programming
Design

querying the system." --
Microsoft Azure
Essentials Migrating
SQL Server Databases
to Azure
Go and SQL Server
Programming By
Example
Introducing Microsoft
SQL Server 2019
Introducing Windows
Azure for IT
Professionals
Python and SQL Server

Online Library
Windows Azure
Sql Database
Development
Windows Azure Step by
Step
Design

Use window functions to write simpler, better, more efficient T-SQL queries 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,

Online Library
Windows Azure
Sql Database
Programming
Design

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

Online Library
Windows Azure
Sql Database
Programming
Design

find a detailed
section on
optimization,
plus an
extensive
collection of
business
solutions —
including novel
techniques
available in no
other book.

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Windows Azure

Sql Database

Programming

Design

Microsoft MVP

Itzik Ben-Gan

shows how to: •

Use window
functions to
improve queries
you previously
built with
predicates •

Master essential
SQL windowing
concepts, and

Online Library

Windows Azure

Sql Database

efficiently
design window
functions •

Effectively
utilize

partitioning,
ordering, and
framing • Gain

practical in-
depth insight
into window
aggregate,

Online Library

Windows Azure

Sql Database

ranking, offset,

Programming
Design
and statistical

functions •

Understand how

the SQL

standard

supports

ordered set

functions, and

find working

solutions for

functions not

Online Library

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Sql Database

yet available in
the language •

Preview

advanced Row

Pattern

Recognition

(RPR) data

analysis

techniques •

Optimize

window

functions in SQL

Online Library
Windows Azure
Sql Database
Programming
Design

Server and
Azure SQL
Database,
making the most
of indexing,
parallelism, and
more • Discover
a full library of
window function
solutions for
common
business

Online Library

Windows Azure

Sql Database

problems About

This Book • For

Design

developers,

DBAs, data

analysts, data

scientists, BI

professionals,

and power users

familiar with T-

SQL queries •

Addresses any

edition of the

Online Library

Windows Azure

Sql Database

SQL Server

Programming

Design

2019 database

engine or later,

as well as Azure

SQL Database

Get all code

samples at: Micr

osoftPressStore.

com/TSQLWind

owFunctions/do

wnloads

Leverage the

Online Library
Windows Azure
Sql Database
Programming
Design

power of the
Azure Services
Platform for
cloud computing
With the Azure
Services
Platform,
processing and
storing data
moves from
individual
corporate

Online Library
Windows Azure
Sql Database
servers and
Programming
Web sites to
Design

larger, more
reliable, and
more secure
data centers.

Roger Jennings,
author of more
than 30 books
on Microsoft
technologies,
shows you how

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Programming
Design

to leverage the power of Azure and its related services for cloud computing. The book begins with a look at the differences between cloud computing and application

hosting and
examines the
various issues
that .NET
developers and
IT managers
face in moving
from on-premise
to cloud-based
applications,
including
security,

privacy,
regulatory
compliance,
backup and
recovery, asset
cataloging, and
other common
technical issues.
The author then
drills down,
showing basic
programming

Online Library
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Programming
Design

for individual
Azure
components,
including
storage, SQL
Data Services,
and .NET
Services. He
then moves on
to cover more
advanced
programming

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Windows Azure
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Programming
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challenges.
Explains the
benefits of using
the Azure
Services
Platform for
cloud computing
Shows how to
program with
Windows Azure
components,
including Azure

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Windows Azure
Sql Database
Table and Blob
Programming
Design
storage, .NET
Services and
SQL Azure
Addresses
advanced
programming
challenges of
creating useful
projects that
combine cloud
storage with

Online Library
Windows Azure
Sql Database
Web
Programming
Design
applications or
services

Companion Web
site features
complete,
finished
applications
that can be
uploaded to
jump start a
Windows Azure

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Windows Azure
Sql Database
Programming
Design

project Roger
Jennings clears
away the clouds
and gets you
started using
the Azure
Services
Platform.
Effectively
query and
modify data
using Transact-

Online Library

Windows Azure

Sql Database

Programming

Design

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

Online Library
Windows Azure

Sql Database
Programming
Design

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

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Sql Database
Programming
Design

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

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Windows Azure
Sql Database
programmable
objects.
Programming
Design

Microsoft Data
Platform MVP
Itzik Ben-Gan
shows you how
to: Review core
SQL concepts
and its
mathematical
roots Create
tables and

effective single-
table queries by
using the
SELECT
statement

Query multiple
tables by using
joins,
subqueries,

expressions, and
set operators
Use advanced
query
techniques such
as window
functions,
pivoting, and
grouping sets
Insert, update,
delete, and

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Windows Azure

Sql Database

merge data Use
transactions in a
concurrent

environment

Get started with

programmable

objects—from

variables and

batches to user-

defined

functions,

stored

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Windows Azure

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Programming
Design

procedures,
triggers, and
dynamic SQL

Leverage the
features of

Azure SQL

database and

become an

expert in data

management

Key

FeaturesExplore

Online Library

Windows Azure

Sql Database

ways to create
shards and

elastic pools to

scale Azure SQL

databasesAutomate

common

management

tasks with Powe

rShellImplemen

t over 40

practical

activities and

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Windows Azure

Sql Database

exercises to
reinforce your
learning

Programming
Design

Book
Description

Despite being
the cloud

version of SQL

Server, Azure

SQL Database

differs in key

ways when it

comes to

Online Library
Windows Azure

Sql Database
management,
Programming
Design
maintenance,
and

administration.

This book shows
you how to
administer
Azure SQL
database to fully
benefit from its
wide range of
features and

Database
Administration
begins by
covering the
architecture and
explaining the
difference
between Azure
SQL Database

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Programming
Design

and the on-
premise SQL
Server to help

you get
comfortable
with Azure SQL
database. You'll
perform
common tasks
such as
migrating,
backing up, and

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restoring a SQL
Server database
to an Azure

database. As

you progress,

you'll study how

you can save

costs and

manage and

scale multiple

SQL Databases

using elastic

pools. You'll also implement a disaster recovery solution using standard and active geo-replication. Whether it is learning different techniques to

Online Library
Windows Azure

Sql Database

monitor and
tune an Azure

Programming
Design

SQL database or
improving

performance

using in-

memory

technology, this

book will enable

you to make the

most out of

Azure SQL

database
features and
functionality for
data
management
solutions. By the
end of this book,
you'll be well
versed with key
aspects of an
Azure SQL
database

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instance, such
as migration,
backup

restorations,

performance

optimization,

high availability,

and disaster

recovery. What

you will

learnUnderstan

d Azure SQL

Online Library
Windows Azure

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Programming
Design
Database
configuration
and pricing

options Provision

a new SQL
database or
migrate an

existing on-
premise SQL

Server database
to Azure SQL
Database Back

Online Library
Windows Azure
Sql Database
Programming
Design
up and restore
Azure SQL
DatabaseSecure
an Azure SQL
databaseScale
an Azure SQL
databaseMonito
r and tune an
Azure SQL data
baseImplement
high availability
and disaster

Online Library
Windows Azure
Sql Database
recovery with
Programming
Azure SQL Data
Design
baseAutomate
common
management
tasks with Powe
rShellDevelop a
scalable cloud
solution with
Azure SQL Data
baseManage,
maintain, and

Online Library

Windows Azure

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Programming

Design

secure managed
instances Who
this book is for

If you're a
database
administrator,
database
developer, or an
application
developer
interested in
developing new

Online Library

Windows Azure

Sql Database

applications or
migrating

existing ones

with Azure SQL

database, this

book is for you.

Prior experience

of working with

an on-premise

SQL Server or

Azure SQL

database along

with a basic understanding of PowerShell scripts and C# code is necessary to grasp the concepts covered in this book.

Reliability, scalability, and

Online Library
Windows Azure
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Programming
Design

security both on
premises and in
the cloud

Pro SQL Azure
Architecture
and SQL
SQL Server
2017
Administration
Inside Out
Practical
Database

Online Library
Windows Azure
Sql Database
Programming
Design

Auditing for
Microsoft SQL
Server and
Azure SQL
Equip yourself
with the skills to
manage and
maintain data in
the cloud, 2nd
Edition

This ebook walks
you through a

patterns-based approach to building real-world cloud solutions. The patterns apply to the development process as well as to architecture and coding practices. The content is based

Online Library
Windows Azure
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on a presentation
developed by
Scott Guthrie and
delivered by him
at the Norwegian
Developers
Conference (NDC)
in June of 2013
(part 1, part 2),
and at Microsoft
Tech Ed Australia
in September

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Sql Database

2013 (part 1, part
2). Many others

updated and

augmented the

content while

transitioning it

from video to

written form. Who

should read this

book Developers

who are curious

about developing

for the cloud, are considering a move to the cloud, or are new to cloud development will find here a concise overview of the most important concepts and practices they

need to know. The concepts are illustrated with concrete examples, and each chapter includes links to other resources that provide more in-depth information. The examples and the

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Design

links to additional resources are for Microsoft frameworks and services, but the principles illustrated apply to other web development frameworks and cloud environments as

well. Developers who are already developing for the cloud may find ideas here that will help make them more successful. Each chapter in the series can be read independently, so you can pick and

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choose topics that
you're interested
in. Anyone who
watched Scott
Guthrie's
"Building Real
World Cloud Apps
with Windows
Azure"
presentation and
wants more
details and

Online Library
Windows Azure
Sql Database
updated
Programming
Design
information will
find that here.

Assumptions This
ebook expects
that you have
experience
developing web
applications by
using Visual
Studio and
ASP.NET.

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Familiarity with

C# would be

helpful in places.

This book follows

a step-by-step

approach with

clear transparent

instructions,

screenshots and

code samples.

This book is

intended for

Microsoft .NET developers who want to leverage the power of cloud and build a brand new service from scratch; it assumes a basic understanding of the .NET framework and C#.

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Programming

Design

We're thrilled to
share another free
ebook with you:

Introducing
Microsoft Azure
HDInsight, by
Avkash Chauhan,
Valentine
Fontama, Michele
Hart, Wee Hyong
Tok, and Buck
Woody. Here are

the download
links: Download
the PDF (6.37
MB; 130 pages)
from <http://aka.ms/IntroHDInsight/PDF>
Download the
EPUB (8.46 MB)
from <http://aka.ms/IntroHDInsight/EPUB>
Download
the MOBI (12.8

Online Library

Windows Azure

Sql Database

Programming

Design

MB) from <http://aka.ms/IntroHDInsight/MOBI>

Download the code samples (6.83 KB) from <http://aka.ms/IntroHDInsight/CompContent> Get a head start evaluating Windows Azure - with technical

Online Library
Windows Azure

Sql Database
Programming
Design
insights from a
Microsoft MVP
Mitch Tulloch.

This guide
introduces the
latest features
and capabilities,
with scenario-
based advice on
how the platform
can meet the
needs of your

Online Library

Windows Azure

Sql Database

business. Get the
high-level

overview you

need to begin

preparing your

deployment now.

Topics include:

Understanding

Windows Azure

Windows Azure

Compute Services

Windows Azure

Online Library
Windows Azure
Sql Database
Network Services
Programming
Windows Azure
Design
Data Services
Windows Azure
App Services
Getting Started
with Windows
Azure
Prepare for
Microsoft Exam
70-761-and help
demonstrate your

Online Library
Windows Azure

Sql Database
Programming
Design
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 •

Online Library

Windows Azure

Sql Database

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,

Online Library
Windows Azure

Sql Database
Programming
Design
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

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

Online Library
Windows Azure
Sql Database
Programming
Design

Certification
Passing this exam
earns you credit
toward a
Microsoft
Certified
Solutions
Associate (MCSA)
certification that
demonstrates
your mastery of
essential skills for

Online Library
Windows Azure

Sql Database
Programming
Design
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

Online Library
Windows Azure

Sql Database
Development
Programming
Design

certification. See
full details at: microsoft.com/learning
g

A Comprehensive
Guide to WinRT
with Examples in
C# and XAML
Expert One-on-
One Visual Basic
2005 Database

Online Library
Windows Azure
Sql Database
Programming
Microsoft Azure
Design
SQL Data
Warehouse
SQL Server in the
Cloud
Exam Ref 70-761
Querying Data
with Transact-
SQL
Cloud Computing
with the Windows

Online Library
Windows Azure
Sql Database
Programming
Design

Azure Platform

This book provides alternative approach to build PHP application with Windows platform and database SQL Server. It describes how to work with

Online Library
Windows Azure

Sql Database
Programming
Design

**PHP and SQL
Server and
illustrates**

**their use with
code examples.**

**The last
chapter author**

explains how

PHP to access

Windows Azure

SQL Database.

****TOC** 1.**

Setup

Online Library

Windows Azure

Sql Database

Development

Environment 1.1

System

Environment 1.2

Deploying PHP

on IIS 1.3 SQL

Server Driver

for PHP 1.4

Database SQL

Server 1.5

Development

Tools 2. Hello

World - PHP and

Online Library

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Programming

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Connecting to

SQL Server 2.2

Creating PHP

2.3 Running 2.4

Windows

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3. CRUD

Operations 3.1

CRUD Operations

3.2 Creating

Data 3.3

Reading Data

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Windows Azure

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Design

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3.5 Deleting

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with Image and

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Image and Blob

Data 4.2

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4.3 Listing

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Server

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Procedures 6.1

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Procedures 6.2

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Procedure 6.3

Calling Stored

Procedure with

Parameter 6.4

Calling Stored

Procedure with

Input and

Online Library
Windows Azure
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Programming
Design

Output

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SQL Database

7.1 Windows

Azure SQL

Database 7.2

Creating

Windows Azure

SQL Database

7.3 Connecting

to Windows

Azure SQL

Online Library
Windows Azure

Sql Database
Database 7.4
Inserting Data
7.5 Retrieving
Data

**Your essential
guide to key
programming
features in
Microsoft SQL
Server 2012
Take your
database
programming**

**skills to a new
level—and build
customized
applications
using the
developer tools
introduced with
SQL Server
2012. This
hands-on
reference shows
you how to
design, test,**

Online Library
Windows Azure
Sql Database
Programming
Design

**and deploy SQL
Server
databases
through
tutorials,
practical
examples, and
code samples.
If you're an
experienced SQL
Server
developer, this
book is a must-**

Online Library
Windows Azure
Sql Database
Programming
Design

**read for
learning how to
design and
build effective
SQL Server 2012
applications.
Discover how
to: Build and
deploy
databases using
the SQL Server
Data Tools IDE
Query and**

Online Library
Windows Azure

Sql Database

**manipulate
complex data**

with powerful

Transact-SQL

enhancements

Integrate non-

relational

features,

including

native file

streaming and

geospatial data

types Consume

Online Library

Windows Azure

Sql Database

Programming

Design

**data with
Microsoft
ADO.NET, LINQ,
and Entity
Framework
Deliver data
using Windows
Communication
Foundation
(WCF) Data
Services and
WCF RIA
Services Move**

Online Library
Windows Azure
Sql Database
Programming
Design

**your database
to the cloud
with Windows
Azure SQL
Database
Develop Windows
Phone cloud
applications
using SQL Data
Sync Use SQL
Server BI
components,
including**

Online Library
Windows Azure
Sql Database
Programming
Design

**xVelocity in-
memory**

technologies

**Microsoft Azure
Essentials from
Microsoft Press
is a series of
free ebooks
designed to
help you
advance your
technical
skills with**

Online Library
Windows Azure

Sql Database
Programming
Design

**Microsoft
Azure. The
first ebook in
the series,
Microsoft Azure
Essentials:
Fundamentals of
Azure,
introduces
developers and
IT
professionals
to the wide**

Online Library
Windows Azure
Sql Database
Programming
Design

**range of capabilities in Azure. The authors - both Microsoft MVPs in Azure - present both conceptual and how-to content for key areas, including:
Azure Websites
and Azure Cloud**

Online Library
Windows Azure
Sql Database
Services Azure
Virtual
Machines Azure
Storage Azure
Virtual
Networks
Databases Azure
Active
Directory
Management
tools Business
scenarios Watch
Microsoft

Online Library
Windows Azure
Sql Database
Programming
Design

**Press's blog
and Twitter (@MicrosoftPress)
to learn about
other free
ebooks in the
"Microsoft
Azure
Essentials"
series.
Your hands-on
guide to Azure
SQL Database**

Online Library
Windows Azure
Sql Database
Programming
Design

**fundamentals
Expand your
expertise—and
teach yourself
the
fundamentals of
Microsoft Azure
SQL Database.
If you have
previous
programming
experience but
are new to**

Online Library
Windows Azure

Sql Database
Programming
Design

**Azure, this
tutorial
delivers the
step-by-step
guidance and
coding
exercises you
need to master
core topics and
techniques.
Discover how
to: Perform
Azure setup and**

Online Library
Windows Azure
Sql Database
Programming
Design
configuration
Explore design
and security
considerations
Use programming
and reporting
services
Migrate data
Backup and sync
data Work with
scalability and
high
performance

Online Library

Windows Azure

Sql Database

**Understand the
differences**

between SQL

Server and

Microsoft Azure

SQL Database

Patterns and

Paradigms for

Scalable,

Reliable

Services

PHP and SQL

Server

Online Library
Windows Azure
Sql Database
Programming By
Example
T-SQL Window
Functions
Microsoft Azure
Essentials -
Fundamentals of
Azure
Troubleshooting
, Regulatory
Compliance, and
Governance
Microsoft

Online Library

Windows Azure

Sql Database

Azure: Learning the Basics

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

Online Library Windows Azure Sql Database

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-

Online Library Windows Azure

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

Online Library
Windows Azure
Sql Database
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

Online Library

Windows Azure

Sql Database
administration
Programming
Design

and development
tools • Manage
memory, storage,
clustering,
virtualization,
and other
components •
Architect and
implement
database
infrastructure,
including IaaS,
Azure SQL, and

Online Library
Windows Azure
Sql Database
Programming •
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

Online Library Windows Azure

Sql Database
programming
Auditing
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

Online Library Windows Azure

Sql Database
Programming
Design
using keys, data
types, columns,
partitioning,
and views •

Utilize BLOBs
and external,
temporal, and
memory-optimized
tables • Master
powerful
optimization
techniques
involving
concurrency,

Online Library Windows Azure

Sql Database

indexing,
parallelism, and
execution plans

- Plan, deploy,
and perform
disaster
recovery in
traditional,
cloud, and
hybrid
environments For
Experienced SQL
Server
Administrators

Online Library
Windows Azure
Sql Database
and Other
Database
Programming

Professionals •
Your role: Inter
mediate-to-
advanced level
SQL Server
database
administrator,
architect,
developer, or
performance
tuning expert •
Prerequisites:

Online Library
Windows Azure
Sql Database
Basic

understanding of
database

administration
procedures

This book helps
readers to get
started with

Azure SQL
Database for
administering
and developing.

The following is
a list of

Online Library
Windows Azure
Sql Database
Programming *

highlight topics
in this book. *

Setting up Azure
SQL Database *

Administering
Azure SQL
Database *

Developing
Applications for
Azure SQL
Database *

Developing Azure
App Service with
Azure SQL

Online Library
Windows Azure
Sql Database
Database *
Export and
Import SQL
Design

Database
Microsoft Azure
is a cloud
computing
platform that
offers a wide
selection of
services that
can be utilized
without having
to source and

Online Library Windows Azure

Sql Database
provision your
own hardware.

Azure provides
users with the
swift
development of
solutions and
offers the
resources to
complete tasks
that may not be
practicable in
an environment
that is located

Online Library Windows Azure Sql Database on-premises.

Azure has
features that
provide compute,
storage,
network, and
application
services which
allow users to
focus on
creating great
solutions
without having
to be concerned

Online Library Windows Azure

about how the
physical
infrastructure

is assembled.

Build new Access
cloud web apps
and migrate
desktop

databases to the
cloud This is

your complete,
practical guide
to creating

Microsoft Access

Online Library Windows Azure

Sql Database
Programming
web apps and
migrating

existing

databases to the
cloud. Access

MVP Andrew Couch
guides you

through the

entire web app
life cycle, from

design through
deployment and

upgrades. After
introducing

Online Library Windows Azure

Microsoft Office
365 and the web
app development
environment, he
reviews key
issues
associated with
moving data into
a web app or
creating cloud
apps with new
data. Next, he
drills down into
app

Online Library Windows Azure

Sql Database
Programming
Design
construction,
from table
design to
integration.

You'll learn how
to extend Access
with Microsoft
Azure SQL,
PowerPivot,
Visual Studio
2013, SQL Server
Reporting
Services (SSRS),
and Apps for

Online Library
Windows Azure
Sql Database
Office, and
Programming
Design
master important
new enhancements
in Office 365
SP1. Learn best
practices and
techniques to:
Capitalize on
key Office 365
features in your
Access web apps
Design and
integrate all
the features of

Online Library Windows Azure

Access web apps

Make your

desktop

databases

compatible with

web app table

structures

Implement and

test business

rules by using

the Macro

Programming

Tools Understand

how your app

Online Library
Windows Azure

Sql Database

design

translates to

objects in the

cloud-based

Azure SQL

Database Use

Microsoft SQL

Server

Management

Studio (SSMS) to

connect with and

manage web apps

Improve

reporting with

Online Library
Windows Azure
Sql Database
PowerPivot,
Visual Studio
2013, and SSRS
Extend Access
web apps with
Apps for Office
features
Capitalize on
Office 365 SP1
improvements in
change
deployment,
intellectual
property

Online Library Windows Azure

Sql Database
programming
protection, and
integration Get

all code
samples,
including
complete apps,
at: <http://aka.ms/AccessApps/files>

About This
Book For
experienced
Access
developers who
want a deep

Online Library
Windows Azure
Sql Database
understanding of
web app design
and

implementation

For new web app

developers who

want to develop

Access web apps

with Office 365

Administering

Relational

Databases on

Microsoft Azure

Windows Azure

Online Library
Windows Azure
Sql Database
and Office 365
Programming
The Modern Data
Warehouse in
Azure
For data
analysis and
beyond
Extend Microsoft
Access
Applications to
the Cloud
Designing
Distributed
Systems

Online Library
Windows Azure
Sql Database
Programming
Design

**Get up to speed
on the extensive
changes to the
newest release of
Microsoft SQL
Server The 2012
release of
Microsoft SQL
Server changes
how you develop
applications for
SQL Server. With
this**

Online Library
Windows Azure
Sql Database
Programming
Design

**comprehensive
resource, SQL
Server authority
Robert Vieira
presents the
fundamentals of
database design
and SQL
concepts, and
then shows you
how to apply
these concepts
using the**

Online Library
Windows Azure

Sql Database
**updated SQL
Server.**
Programming
Design

**Publishing time
and date with the
2012 release,
Beginning
Microsoft SQL
Server 2012
Programming
begins with a
quick overview of
database design
basics and the**

Online Library
Windows Azure
Sql Database
Programming
Design

**SQL query
language and
then quickly
proceeds to show
you how to
implement the
fundamental
concepts of
Microsoft SQL
Server 2012.
You'll explore the
key additions and
changes to this**

Online Library
Windows Azure
Sql Database
Programming
Design

**newest version,
including
conditional action
constructs,
enhanced
controls for
results paging,
application
integration with
SharePoint and
Excel, and
development of
BI applications.**

Online Library
Windows Azure
Sql Database
Programming
Design

Covers new features such as SQL Azure for cloud computing, client-connectivity enhancements, security and compliance, data replication, and data warehouse performance improvements

Online Library

Windows Azure

Sql Database

Addresses
essential topics
including

managing keys,
writing scripts,
and working with
store procedures

Shares helpful
techniques for
creating and
changing tables,
programming
with XML, and

Online Library
Windows Azure
Sql Database
Programming
Design

**using SQL Server
Reporting and
Integration
Services
Beginning
Microsoft SQL
Server 2012
Programming
demystifies even
the most difficult
challenges you
may face with the
new version of**

Online Library
Windows Azure

Sql Database
**Microsoft SQL
Server.**

**This book covers
how to develop
Python programs
with SQL Server
database and
Azure SQL
Server. Program
samples and
scenarios are
provided to
accelerate your**

Online Library

Windows Azure

Sql Database

Programming

Design

learning speed.

The following is a

list of highlight

topics in this

book. * Setting

up Development

Environment *

Getting Started -

Python and SQL

Server * CRUD

Operations *

Working with

Image and Blob

Online Library
Windows Azure
Sql Database
Data *
Transaction *
Design

Stored
Procedures *
Working with
Azure SQL
Database and
Python
Windows Azure
SQL Database
Programming and
Design
Createspace
Independent

Online Library
Windows Azure
Sql Database
Programming
Design

Pub

SQL Azure

represents

Microsoft's cloud-based delivery of its enterprise-caliber, SQL Server database management system (formerly under the code name "Oslo"). Pro SQL Azure

Online Library
Windows Azure
Sql Database
Programming
Design

**introduces you to
this new
platform,
showing you how
to program and
administer it in a
variety of cloud
computing
scenarios. You'll
learn to program
SQL Azure from
Silverlight,
ASP.NET,**

Online Library
Windows Azure

Sql Database
Programming
Design
**WinForms, and
from SQL
Reporting**

**Services. You'll
also understand
how to manage
the platform by
planning for
scalability,
troubleshooting
performance
issues, and
implementing**

Online Library

Windows Azure

Sql Database

Programming

Design

**strong security.
Shows how to use
SQL Azure from
Silverlight,
ASP.NET, and
more Covers
management,
scalability, and
troubleshooting
Addresses the all-
important issue
of securing your
data**

Online Library
Windows Azure
Sql Database

T-SQL

Fundamentals

**Building with
Speed and Agility
on Microsoft's
Cloud Platform
Best Practices for
Devops, Data
Storage, High
Availability, and
More**

Pro SQL Database

Page 198/286

Online Library
Windows Azure
Sql Database
Programming
Design

**for Windows
Azure
Cloud Database
Development and
Management**
*Are you hesitant
to migrate to
Visual Studio(r)
2005? Maybe
you're ready to
upgrade to
Visual Basic*

Online Library

Windows Azure

Sql Database

Programming

Design

2005 but feel a bit overwhelmed by ADO.NET 2.0 and the Visual Data Tools of this new release. In this hands-on guide, I'll share with you the best practices, the latest features, and

Online Library
Windows Azure
Sql Database
Programming
Design

***advanced data
management
techniques with
Visual Basic
2005 and SQL
Server or SQL
Server Express
2005. Plus, I'll
incorporate
simple to
moderately
complex project***

examples that feature real-world, database front-end applications with Windows and Web forms. First, I'll begin with ADO.NET 2.0 basics, then I'll move on to designing and

Online Library
Windows Azure

Sql Database
**programming
smart clients
with typed**

**DataSets as
their data
sources.**

**Gradually, I'll
walk you
through using
DataSource,
GridView, and
DetailsView Web**

controls.

Finally, I'll demonstrate how to take advantage of the new T-SQL extensions, in-process Web services, and notifications. What you will learn from this

Online Library
Windows Azure
Sql Database
Programming
Design

***book How to
build usable
Windows(r) and
Web forms from
a sample
database in less
than five
minutes-without
writing a line of
code Effective
writing of data
validation code***

Online Library
Windows Azure
Sql Database
Programming
Design

***for bound text
boxes and
DataGridViews
Ways to apply
advanced
ASP.NET 2.0
data techniques
The process of
creating and
deploying VB
2005 SQL CLR
projects Who***

Online Library

Windows Azure

Sql Database

***this book is for
This book is for
experienced VB***

programmers

who are

upgrading from

VB6 or VS

2002/2003 to VB

2005. Basic

familiarity with

the VS 2005 or

VB Express 2005

Online Library
Windows Azure
Sql Database
Programming
Design

environment is helpful but not assumed. No prior VB6, VBA, or VBScript experience is necessary. Wrox Expert One-On-One books present the wisdom accumulated by

Online Library

Windows Azure

Sql Database

an experienced

author who is

recognized as an

expert by the

programming

community.

These experts

challenge

professional

developers to

examine their

current

Online Library
Windows Azure

Sql Database
Programming
Design
**practices in
pursuit of better
results.**

**Pro SQL
Database for
Windows Azure,
2nd Edition
shows how to
create
enterprise-level
database
deployments**

***without the
usual
investment in
datacenter and
other
infrastructure.
Take advantage
instead of
Microsoft's
worldwide
backbone for
cloud***

Online Library

Windows Azure

Sql Database

Programming

Design

***computing that
delivers all the
power of SQL
Server in the
form of the
cloud-based SQL
Database for
Windows Azure.
You can create
and deploy a
database in
mere minutes***

Online Library
Windows Azure
Sql Database
Programming
Design

***that is
accessible
worldwide and
takes advantage
of SQL
Database's high-
availability
features to
protect your
data while
ensuring 99.9%
uptime. SQL***

Online Library

Windows Azure

Sql Database

Programming

Design

Azure is ideally suited for startups, who can benefit from instant access to a robust and secure web-accessible database platform for use in rapidly deploying new

Online Library
Windows Azure
Sql Database
Programming
Design

***products to
market. SQL
Azure is also
ideal for small
and mid-sized
businesses,
giving them the
same ability to
deploy SQL
Server as any
large enterprise,
but without the***

Online Library
Windows Azure

Sql Database
Programming
Design
**management
overhead. Even
large**

**enterprises find
SQL Azure
useful in
creating failover
environments,
development
environments,
extra capacity to
handle surges in**

Online Library
Windows Azure
Sql Database
Programming
Design

***demand, and
more. Pro SQL
Database for
Windows Azure
covers the very
latest in
Microsoft's fast-
moving, cloud
platform,
showing how to
program and
administer it in***

Online Library
Windows Azure
Sql Database
Programming
Design

***a variety of
cloud
computing
scenarios. You'll
learn to
program SQL
Azure from
ASP.NET, from
WinForms, and
from SQL
Reporting
Services. You'll***

Online Library

Windows Azure

Sql Database

***learn to manage
the platform by
planning for***

scalability,

troubleshooting

performance

issues, and

implementing

strong security.

You'll learn the

unique aspects

of SQL Azure

Online Library
Windows Azure
Sql Database

***such as
sharding and
federation
support that
combine to
place SQL Azure
a step above and
ahead of the
competiton.
Shows how to
use SQL Azure
from classic***

Online Library
Windows Azure

Sql Database

**Windows
applications,
ASP.NET and**

**Windows
Communication
Foundation**

**Covers
management,
performance,
scalability, and
troubleshooting
Addresses the**

Online Library
Windows Azure

Sql Database
Programming
Design
***all-important
issue of
securing your***

***data Helps you
properly design
for high-***

***performance in
a cloud***

environment

***Helps you adopt
the new***

Federations

Online Library

Windows Azure

Sql Database

feature in SQL

Azure

Provides

information on

developing

cloud-based

applications on

the Windows

Azure Platform.

Your hands-on

guide to Azure

SQL Database

Online Library
Windows Azure
Sql Database
Programming
Design

***fundamentals
Expand your
expertise--and
teach yourself
the
fundamentals of
Microsoft Azure
SQL Database. If
you have
previous
programming
experience but***

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Windows Azure
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Programming
Design

***are new to
Azure, this
tutorial delivers
the step-by-step
guidance and
coding exercises
you need to
master core
topics and
techniques.***

***Discover how to:
Perform Azure***

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**setup and
configuration**

**Explore design
and security
considerations**

Use

**programming
and reporting
services Migrate
data Backup and
sync data Work
with scalability**

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***and high
performance
Understand the
differences
between SQL
Server and
Microsoft Azure
SQL Database
Microsoft Azure
SQL Database
Step by Step
Beginning***

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**Microsoft SQL
Server 2012
Programming
Windows Azure
SQL Database
Step by Step
Windows Azure
Programming
Patterns for
Start-ups
Programming
Windows Azure**

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***Programming
Microsoft SQL
Server 2012***

Although today's job market requires IT professionals to understand cloud computing theories and have hands-on skills for developing real-world database systems, there are few books available that integrate coverage

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of both. Filling this void, Cloud Database Development and Management explains how readers can take advantage of the cloud environment to develop their own fully functioning database systems without any additional investment in IT infrastructure.

Filled with step-by-step instructions, examples,

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and hands-on projects, the book begins by providing readers with the required foundation in database systems and cloud-based database development tools. It supplies detailed instructions on setting up data storage on Windows Azure and also explains how readers can develop their own virtual

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machines with
Windows Server 2012
as the guest operating
system. The book's
wide-ranging coverage
includes database
design, database
implementation,
database deployment to
the cloud environment,
SQL Database, Table
Storage service, Blob
Storage service, Queue
Storage service, and

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database application development. The text deals with all three aspects of database design: conceptual design, logical design, and physical design. It introduces the SQL language, explains how to use SQL to create database objects, and introduces the migration of the database between

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Windows Azure and the on-premises SQL Server. It also discusses the management tasks that keep both SQL Database and Windows Azure running smoothly. Detailing how to design, implement, and manage database systems in the cloud, the book provides you with tools that can make your

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Sql Database

cloud database

Programming

development much

Design
more efficient and

flexible. Its easy-to-

follow instructions will

help you develop the

hands-on skills needed

to store and manage

critical business

information and to

make that data

available anytime

through the Internet.

Microsoft Windows

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Programming

Azure SQL Database

opens new horizons in
RDBMS applications.

Cloud computing is the
future. Azure SQL

Database represents the
future today. Cloud

relational database

design and cloud SQL

(Structured Query

Language)

programming teach-by-

practical-

diagrams-&-examples

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book for developers, programmers, systems analysts and project managers who are new to relational database and client/server technologies. The Azure SQL Database textbook also for database developers, database designers and database administrators (DBA), who know some SQL programming and

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database design, and who wish to refresh & expand their cloud RDBMS design & development technology horizons. Familiarity with at least one computer programming language, Windows file system & Excel is assumed. Since the book is career advancement oriented, it has a great number of

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3NF database design examples with metadata explanations along with practical SQL queries (over 1,400 SELECT queries) and T-SQL scripts, plenty to learn indeed. Great emphasis is placed on explaining the FOREIGN KEY - PRIMARY KEY constraints among tables, the connections which make the

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Design

collection of individual tables a database. The database diagrams and queries are based on historic and current SQL Server sample databases: pubs (PRIMARY KEYS 9, FOREIGN KEYS 10) , Northwind (PRIMARY KEYS 13, FOREIGN KEYS 13) and the latest AdventureWorks series. Among them:

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Deploy

AdventureWorks,
AdventureWorks2012
(PRIMARY KEYs 71,
FOREIGN KEYs 90),
& AdventureWorksDW
2008 (PRIMARY KEYs
27, FOREIGN KEYs
44). The last one is a
data warehouse
database which is the
basis for multi-
dimensional OLAP
cubes. Sample
databases installation

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instructions are included. The book teaches through vivid database diagrams and T-SQL queries how to think in terms of sets at a very high level, focusing on set-based operations instead of loops like in procedural programming languages. The best way to master Azure T-SQL programming is to

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Programming

Design
Management Studio

Query Editor, test it, examine it, change it and study it. Wouldn't it be easier just to copy & paste it? It would, but the learning value would diminish rapidly. You need to feel relational database design and the SQL language in your DNA.

Online Library Windows Azure Sql Database

SQL queries must "pour" out from your fingers into the keyboard. Why is knowing SQL queries by heart so important? After all everything can be found on the web so why not just copy & paste? Well not exactly. If you want to be an database designer & development expert, it has to be in your head

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Design

not on the web. Second, when your supervisor is looking over your shoulder, "Joe, can you tell me what is the total revenue for March using the cloud database?", you have to be able to type the query without documentation or SQL forum search and provide the results to your superior promptly.

Online Library Windows Azure Sql Database Programming Design

The book was designed to be readable in any environment, even on the beach laptop around or no laptop in sight at all. All queries are followed by results row count and /or full/partial results listing in tabular (grid) format. Screenshots are used when dealing with GUI tools such as SQL Server Management

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Studio. Mastery of the database design & SQL programming book likely to be sufficient for career advancement as a cloud database designer and database developer.

Here is the expert-level, insider guidance you need on using Azure SQL Database as your back-end data store.

This book highlights

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Design

best practices in everything ranging from full-stack projects to mobile applications to critical, back-end APIs. The book provides instruction on accessing your data from any language and platform. And you learn how to push processing-intensive work into the database engine to be near the

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Design

data and avoid undue networking traffic.

Azure SQL is explained from a developer's point of view, helping you master its feature set and create applications that perform well and delight users. Core to the book is showing you how Azure SQL Database provides relational and post-

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Design

relational support so that any workload can be managed with easy accessibility from any platform and any language. You will learn about features ranging from lock-free tables to columnstore indexes, and about support for data formats ranging from JSON and key-values to the nodes and edges in

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Sql Database

the graph database
paradigm. Reading this
book prepares you to

deal with almost all
data management
challenges, allowing
you to create lean and
specialized solutions
having the elasticity
and scalability that are
needed in the modern
world. What You Will
Learn Master Azure
SQL Database in your

Online Library

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Sql Database

Programming

Design

development projects
from design to the
CI/CD pipeline Access
your data from any
programming language
and platform Combine
key-value, JSON, and
relational data in the
same database Push
data-intensive compute
work into the database
for improved efficiency
Delight your customers
by detecting and

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Programming

Design

improving poorly
performing queries
Enhance performance
through features such
as columnstore indexes
and lock-free tables
Build confidence in
your mastery of Azure
SQL Database's feature
set Who This Book Is
For Developers of
applications and APIs
that benefit from cloud
database support,

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Programming

Design

developers who wish to master their tools

(including Azure SQL

Database, and those

who want their

applications to be

known for speedy

performance and the

elegance of their code

A detailed look at a

diverse set of Cloud

topics, particularly

Azure and Office 365

More and more

Online Library Windows Azure Sql Database Programming Design

companies are realizing the power and potential of Cloud computing as a viable way to save energy and money. This valuable book offers an in-depth look at a wide range of Cloud topics unlike any other book on the market.

Examining how Cloud services allows users to pay as they go for exactly what they use,

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this guide explains how companies can easily scale their Cloud use up and down to fit their business requirements. After an introduction to Cloud computing, you'll discover how to prepare your environment for the Cloud and learn all about Office 365 and Azure. Examines a diverse range of Cloud

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Design

topics, with special emphasis placed on how Cloud computing can save businesses energy and money Shows you how to prepare your environment for the Cloud Addresses Office 365, including infrastructure services, SharePoint 2010 online, SharePoint online development,

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Sql Database

Exchange online
development, and Lync
online development

Discusses working with
Azure, including setting
it up, leveraging Blob
storage, building Azure
applications,
programming, and
debugging Offers
advice for deciding
when to use Azure and
when to use Office 365
and looks at hybrid

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solutions between
Azure and Office 365

Tap into the potential
of Azure and Office 365
with this helpful
resource.

A Detail Paradigm to
Support Azure SQL on
Cloud and Dp 300
Study Guide

Programming the
Microsoft Cloud
Professional Azure
SQL Database

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Sql Database

Administration

Administering and

Developing Azure SQL

Database

Programming the

Windows Runtime by

Example

Know how to track

changes and key

events in your

SQL Server

databases in

support of

Online Library
Windows Azure
Sql Database
application
Programming
Design

troubleshooting,
regulatory
compliance, and
governance. This
book shows how
to use key features
in SQL Server
,such as SQL
Server Audit and
Extended Events,
to track schema

changes,
permission
changes, and
changes to your
data. You'll even
learn how to track
queries run
against specific
tables in a
database. Not all
changes and
events can be

captured and tracked using SQL Server Audit and Extended Events, and the book goes beyond those features to also show what can be captured using common criteria compliance, change data

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capture, temporal
tables, or querying

the SQL Server

log. You will learn

how to audit just

what you need to

audit, and how to

audit pretty much

anything that

happens on a SQL

Server instance.

This book will also

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Programming

Design

help you set up
cloud auditing with
an emphasis on

Azure SQL

Database, Azure

SQL Managed

Instance, and

AWS RDS SQL

Server. You don't

need expensive,

third-party auditing

tools to make

Online Library

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Sql Database

auditing work for
you, and to

demonstrate and

provide value back
to your business.

This book will help

you set up an

auditing solution

that works for you

and your needs. It

shows how to

collect the audit

data that you need, centralize that data for easy reporting, and generate audit reports using built-in SQL Server functionality for use by your own team, developers, and organization's auditors. What

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You Will Learn

Understand why

auditing is

important for

troubleshooting,

compliance, and

governance Track

changes and key

events using SQL

Server Audit and

Extended Events

Track SQL Server

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configuration
changes for
governance and
troubleshooting
Utilize change
data capture and
temporal tables to
track data changes
in SQL Server
tables Centralize
auditing data from
all your databases

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Windows Azure
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Programming
Design
for easy querying
and reporting
Configure auditing
on Azure SQL,
Azure SQL
Managed
Instance, and
AWS RDS SQL
Server Who This
Book Is For
Database
administrators who

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need to know
what's changing
on their database
servers, and those
who are making
the changes;
database-savvy
DevOps engineers
and developers
who are charged
with
troubleshooting

processes and applications;
developers and administrators who are responsible for generating reports in support of regulatory compliance reporting and auditing

This

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Windows Azure
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comprehensive
introduction to
SQL Server begins
with an overview of
database design
basics and the
SQL query
language along
with an in-depth
look at SQL Server
itself Progresses
on to a clear

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Programming

Design

explanation of how
to implement
fundamental

concepts with the
new 2008 version
of SQL Server

Discusses creating
and changing
tables, managing
keys, writing
scripts, working
with stored

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Windows Azure
Sql Database
procedures,
Programming
Design
programming with
XML, using SQL
Server Reporting
and Integration
Services, and
more Features
updated and new
material, including
new examples
using Microsoft's
AdventureWorks

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sample database

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This book is ideal

for IT professionals

who have some

experience with

SQL Server or

Database but are

looking for a rich

hands-on resource

with guidance to

explore each of

the Azure SQL

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administrator
Programming
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concepts and the solutions the cloud provider offers. The book is primarily designed for Cloud DBAs (with ample knowledge of SQL server) who are new to Azure and want to have a solid start and get

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an in-depth
glimpse on
advanced topics
that will help them
to solve day-to-day
issues plus
effectively support
the Azure
databases.

Administering
Relational
Databases on

Online Library
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Programming
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Microsoft Azure
takes readers
through a
complete tour of
understanding
fundamental Azure
concepts, Azure
SQL
administration,
Azure
Management
tools, and

techniques. This book will give an edge over to clear DP 300 exam.

Increasingly, we continue to flood with information about the importance of the cloud. Cloud computing is everywhere, but

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not everyone
knows exactly
what it is and
where to get
started. We try to
focus more on
Azure SQL and
give you the
foundational
understanding of
what the cloud
really is and tell

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you how some of

these cloud

technologies can

work for you, and

direct you to

improve your

knowledge and get

certified with

hassle-free

learning. If you find

it is for you, you

will pick up useful

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tricks and tips for making a move to the cloud as seamless as possible. It is never too late to turn the corner from "On-premise DBA" to "Cloud DBA specialist". In most technical discussions, we

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see a vast gap in
Programming
Design
cloud adoption and
the reality of

absorption. There
is always a need
to learn the Next-
Gen technology. In
this book, you
explore the
importance of
understanding and
managing cloud

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databases and the skills you must build around the Cloud to face the cloud DBA certification. In addition, along the way, you will pick up great interesting insights, real-time scenarios and

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fundamentals,
concepts of Cloud,
cloud

management
tools, test cases,
and several
practice solutions.