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# Windows Azure Sql Database Step By Step Step By Step Developer

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*SQL Server in the Cloud*  
Microsoft Press

Your essential guide to key programming features in Microsoft SQL Server 2012 Take your database programming skills to a new level—and build customized applications using the developer tools introduced with SQL Server 2012. This hands-on reference shows you how to design, test, and deploy SQL Server databases through tutorials, practical examples, and code samples. If you're an experienced SQL Server developer, this book is a must-read for learning how to design and build effective SQL Server 2012 applications. Discover how to: Build and deploy databases using the SQL Server Data Tools

IDE Query and manipulate complex data with powerful Transact-SQL enhancements Integrate non-relational features, including native file streaming and geospatial data types Consume data with Microsoft ADO.NET, LINQ, and Entity Framework Deliver data using Windows Communication Foundation (WCF) Data Services and WCF RIA Services Move your database to the cloud with Windows Azure SQL Database Develop Windows Phone cloud applications using SQL Data Sync Use SQL Server BI components, including xVelocity in-memory technologies A Multi-Model Database Designed for the Cloud Apress Direct from Microsoft, this Exam Ref is the official study guide for the new Microsoft DP-200 Implementing an Azure Data Solution certification exam. Exam Ref DP-200 Implementing an Azure Data Solution offers professional-level preparation that helps candidates maximize their exam performance and sharpen

their skills on the job. It focuses on specific areas of expertise modern IT professionals need to demonstrate real-world mastery of data solution provisioning, data ingestion and transformation, security, data governance, and performance monitoring. Coverage includes: Understanding Azure data solutions: data storage and data processing concepts Implementing Azure data storage solutions: implementing non-relational and relational data stores, and managing data security Managing and developing data processing for Azure data solutions: developing batch processing and streaming solutions Monitoring and optimizing Azure data solutions: monitoring data storage and data processing; troubleshooting data partitioning bottlenecks; optimizing Data Lake Storage, Stream Analytics, and Azure Synapse Analytics; and managing the data lifecycle Microsoft Exam Ref publications stand apart from third-party study guides because they: Provide guidance from Microsoft, the

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creator of Microsoft certification exams Target IT professional-level exam candidates with content focused on their needs, not "one-size-fits-all" content Streamline study by organizing material according to the exam's objective domain (OD), covering one functional group and its objectives in each chapter Offer concise overviews of every skill covered by the exam Feature "Thought Experiments" and "Thought Experiment Answers" to guide candidates through a set of "what if?" scenarios, and prepare them more effectively for Pro-level style exam questions Explore big picture thinking around the planning and design aspects of the IT pro's job role Deliver exam tips, summaries, and inline questions and answers to help you identify key points Include "Need more review?" reader aids pointing to additional study materials when readers need them For more information on Exam DP-200 and the Microsoft Certified: Azure Data Engineer credential, visit <https://docs.microsoft.com/en-us/learn/certifications/azure-data-engineer>

**Equip yourself with the skills to manage and maintain data in the cloud, 2nd Edition** Microsoft Azure SQL Database Step by Step Conquer SQL Server 2019 administration—from the inside out Dive into SQL Server 2019 administration—and really put your SQL Server DBA expertise to work. This supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds—all you need to plan, implement, manage, and secure SQL Server 2019 in any production environment: on-premises, cloud, or hybrid. Six experts thoroughly tour DBA capabilities available in SQL Server 2019 Database Engine, SQL Server Data Tools, SQL Server Management Studio, PowerShell, and Azure Portal. You'll find extensive new coverage of Azure SQL, big data clusters, PolyBase, data protection, automation, and more. Discover how experts tackle today's essential tasks—and challenge yourself to new levels of mastery. Explore SQL Server 2019's toolset, including the improved SQL Server Management Studio, Azure Data Studio, and Configuration Manager Design, implement, manage, and govern on-premises, hybrid, or Azure database infrastructures Install and configure SQL Server on Windows and Linux Master modern maintenance and monitoring with extended events, Resource Governor, and the SQL Assessment API Automate tasks with maintenance plans, PowerShell, Policy-Based Management, and more Plan and manage data recovery, including hybrid backup/restore, Azure SQL Database recovery, and geo-replication Use availability groups for high availability and disaster recovery Protect data with Transparent Data Encryption, Always Encrypted, new Certificate Management capabilities, and other advances Optimize databases with SQL Server 2019's advanced performance and indexing features Provision and operate Azure SQL Database and its managed instances Move SQL Server workloads to Azure: planning, testing, migration, and post-migration

**Mission-Critical Applications, Deeper Insights, Hyperscale Cloud** Microsoft Press 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 computing that delivers

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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 that is accessible worldwide and takes advantage of SQL Database's high-availability features to protect your data while ensuring 99.9% uptime. SQL 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 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 management overhead. Even large enterprises find SQL Azure useful in creating failover environments, development environments, extra capacity to handle surges in 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 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 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 such as sharding and federation support that combine to place SQL Azure a step above and ahead of the competition. Shows how to use SQL Azure from classic Windows applications, ASP.NET and Windows Communication Foundation Covers management, performance, scalability, and troubleshooting Addresses the all-important issue of securing your data Helps you properly design for high-performance in a cloud environment Helps you adopt the new Federations feature in SQL Azure

**Pro SQL Server on Microsoft Azure** John Wiley & Sons

With Microsoft SQL Server 2016, a variety of new features and enhancements to the data platform deliver breakthrough

performance, advanced security, and richer, integrated reporting and analytics capabilities. In this ebook, we introduce new security features: Always Encrypted, Row-Level Security, and dynamic data masking; discuss enhancements that enable you to better manage performance and storage: TempDB configuration, query store, and Stretch Database; review several improvements to Reporting Services; and also describe AlwaysOn Availability Groups, tabular enhancements, and R integration.

[Introducing Microsoft SQL Server 2019](#) Pearson Education

Learn the basics of Microsoft Azure and see how SQL Server on Azure VMs (Infrastructure-as-a-Service) and Azure SQL Databases (Platform-as-a-Service) work. This concise book shows you how to deploy, operate, and maintain your data using any one or a combination of these offerings along with your on-premise environment. Pro SQL Server on Microsoft Azure is a quintessential book for any IT professional who is planning to host their data on Microsoft Azure. This

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book will not only equip you with the tips, tricks, and tools to manage SQL Server offerings on Azure, but will also help you in deciding between PaaS, IaaS, or hybrid. In the ever-changing world of operations, IT administrators and SQL Server DBAs often find that the biggest challenges occur once they've deployed to the cloud. This is precisely why *Pro SQL Server on Microsoft Azure* was written; it will help you master today's cloud world. What You'll Learn Understand the Microsoft Azure IaaS architecture Work with Azure Storage and Networking Deploy SQL Server on Azure VMs using best practices Apply effective security principles to SQL Azure Databases Measure and optimize the performance of SQL Server offerings on Azure Implement Business continuity and disaster recovery options with Azure SQL Databases Who This Book Is For This book is for IT admins and SQL Server DBAs who are managing or would be managing SQL Server deployments on Microsoft Azure. v>

### **Azure and Xamarin Forms** Apress

A step-by-step guide to get you up and running with Azure Storage services and helps you

build solutions that leverage effective design patterns About This Book Discover best practices for designing and implementing Azure Storage for Azure VMs, and highly available apps Effectively plan, design, and implement SQL databases with Azure Protect your data with Azure Backup and Azure Site Recovery Who This Book Is For This book is targeted at Developers, IT Professionals, and even Database Admins who have experience of working on Microsoft Azure and want to make the most of Azure Storage services. Some knowledge of SQL Server will be beneficial. What You Will Learn Understand Azure Storage types and determine the appropriate one for your needs Design Azure Storage for Azure VMs according to best practices Design and implement your SQL Database on Azure according to best practices Learn how to work with Azure Backup Learn how to work with Azure Site Recovery Extend Azure Storage to StorSimple Monitor storage metrics and logs and customize

the Azure monitoring dashboard Monitor and troubleshoot Azure Storage In Detail Microsoft Azure Storage is the bedrock of Microsoft's core storage solution offering in Azure. No matter what solution you are building for the cloud, you'll find a compelling use for Azure Storage. This book will help you get up-to-speed quickly on Microsoft Azure Storage by teaching you how to use the different storage services. You will be able to leverage secure design patterns based on real-world scenarios and develop a strong storage foundation for Azure virtual machines. You will start this book with an introduction to Microsoft Azure storage and how it can be used to build large-scale, real-world applications using Azure storage services such as blob, table, queue, and file. This book will also teach you about the different types of Azure Storage. You will then find out the best practices for designing your Azure VM storage, whether it is Windows based or Linux based and how to migrate your storage in different scenarios. You will learn

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<p>also how to plan and implement your SQL database solution on Azure, and how to build your SQL database in different service models (IaaS/PaaS). Moreover, you will also learn best practices for dealing with Azure Backup, the role of Azure Site Recovery, and the solutions they offer in different scenarios. Finally, you will use StorSimple to unlock the maximum value from all of your data, and some tools that will help you manage your storage on-and off-premise (Azure), such as AzCopy and Storage Explorer. Monitoring your storage in no laughing matter, so you will learn to monitor, diagnose and troubleshoot it. Style and approach This book will provide an in-depth insight into properly designing your environment and saving money on your running workloads. Using cutting-edge examples, you will be able to efficiently monitor, diagnose, and troubleshoot Azure Storage.</p> <p><u>Harvesting Clouds</u> Packt Publishing Ltd</p> <p>This is the definitive guide to maximizing the value of today's Scrum and</p>	<p>DevOps methodologies with state-of-the-art Microsoft cloud tools and services, including Azure DevOps Services, specifically Azure Boards and Azure Test Plans. Renowned Scrum expert Richard Hundhausen has comprehensively revamped and updated his classic Professional Scrum Development with Microsoft Visual Studio 2012 to reflect the latest Scrum Guide, Microsoft's breakthrough development tools, GitHub integration, and developers' deeper experience with Scrum. Professional Scrum Development with Azure DevOps stands apart from all other Scrum and Azure guides by focusing on the fusion of today's most popular agile framework (Scrum) and ALM/DevOps toolset (Azure DevOps). Hundhausen shows how a professional Scrum team can more effectively plan, track, and manage its work with Azure Boards, Azure Test Plans, and related Azure DevOps features. He offers detailed coverage of team formation, backlogs, sprints, test plans, collaboration, flow, continuous improvement,</p>	<p>and the real-world tradeoffs between using tools and interacting directly with other team members. To make this guide even more valuable, Hundhausen has crafted it to complement Scrum.org's popular Professional Scrum Developer (PSD) program, which he personally created with Scrum.org's Ken Schwaber.</p> <p><i>Microsoft Azure Cosmos DB Revealed</i> John Wiley &amp; Sons</p> <p>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</p>
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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 Professionals • Your role: Intermediate-to-advanced level SQL Server database administrator, architect, developer, or performance tuning expert • Prerequisites: Basic understanding of database administration procedures *Reliability, scalability, and security both on premises and in the cloud* Apress Leverage the power of Azure to get efficient data insights from your big data in real time Key Features Explore the basics of cloud analytics using Azure Discover different ways to process and visualize your data easily Learn to use Azure Synapse Analytics (formerly known as Azure SQL Data Warehouse) to derive real-time customer insights Book Description With data being generated at an exponential speed, organizations all over the world are migrating their infrastructure to the cloud. Application management becomes much easier when you use a cloud platform to build, manage, and deploy your services and

applications. Cloud Analytics with Microsoft Azure covers all that you need to extract useful insights from your data. You'll explore the power of data with big data analytics, the Internet of Things (IoT), machine learning, artificial intelligence, and DataOps. You'll also delve into data analytics by studying use cases that focus on creating actionable insights from near-real-time data. As you advance, you'll learn to build an end-to-end analytics pipeline on the cloud with machine learning and deep learning concepts. By the end of this book, you'll have developed a solid understanding of data analytics with Azure and its practical implementation. What you will learn Explore the concepts of modern data warehouses and data pipelines Discover different design considerations while applying a cloud analytics solution Design an end-to-end analytics pipeline on the cloud Differentiate between structured, semi-structured, and unstructured data Choose a cloud-based service for your data analytics solutions Use Azure services to ingest, store and analyze data of any scale Who this book is for If you're planning to adopt the cloud analytics model for your business, this

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book will help you understand the design and business considerations that you must keep in mind. Though not necessary, a basic understanding of data analytics concepts such as data streaming, data types, the machine learning life cycle, and Docker containers will help you get the most out of the book.

### **Microsoft SQL Server 2012 Step by Step**

Microsoft Press

NOTE: This title is also available as a free eBook on the Microsoft Download Center. It is offered for sale in print format as a convenience. Get a head start evaluating SQL Server 2014 - guided by two experts who have worked with the technology from the earliest beta. Based on Community Technology Preview 2 (CTP2) software, this guide introduces new features and capabilities, with practical insights on how SQL Server 2014 can meet the needs of your business. Get the early, high-level overview you need to begin preparing your deployment now.

Coverage includes: SQL Server 2014 Editions and engine enhancements  
Mission-critical performance enhancements  
Hybrid cloud enhancements  
Self-service Business Intelligence enhancements in Microsoft

Excel Enterprise information management enhancements  
Big Data solutions

### Introducing Microsoft SQL Server 2014 Packt Publishing Ltd

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 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. 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 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 to explore and implement the new features in SQL Server 2019. Basic working knowledge of SQL Server

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and relational database management system (RDBMS) is required.

Introducing Windows Azure for IT Professionals Packt Publishing Ltd

Discover how you can migrate a traditional on-premise SQL server database to a cloud-based solution with Microsoft Azure. Built with database administrators in mind, this book emulates different scenarios you might come across while working with large, complex SQL database migrations and provides solutions for effectively managing the migrated databases. Key Features Implement backup, restore, and recovery of Azure SQL databases Create shards and elastic pools to scale Azure SQL databases Automate common management tasks with PowerShell Implement over 40 practical activities and exercises across 24 topics to reinforce your learning Book Description As the cloud version of SQL Server, Azure SQL Database differs in key ways when it comes to management, maintenance, and administration. It's important to know how to administer SQL Database to fully benefit from all of the features and functionality that it provides. This book addresses important aspects of an Azure SQL Database instance such as migration, backup restorations, pricing policies, security, scalability, monitoring, performance optimization, high availability, and disaster recovery. It is a

complete guide for database administrators, and ideal for those who are planning to migrate from on premise SQL Server database to an Azure SQL Server database. What you will learn Learn how to provision a new database or migrate an existing on-premise solution Understand how to backup, restore, secure, and scale your own Azure SQL Database Optimize the performance by monitoring and tuning your cloud-based SQL instance Implement high availability and disaster recovery procedures with SQL Database Develop a roadmap for your own scalable cloud solution with Azure SQL Database Who this book is for This book is ideal for database administrators, database developers, or application developers who are interested in developing or migrating existing applications with Azure SQL Database. Prior experience of working with an on-premise SQL Server deployment and brief knowledge of PowerShell and C# are recommended prerequisites.

*SQL Server 2014*

*Development Essentials*

Microsoft Press

Your hands-on, step-by-step guide to building applications with Microsoft SQL Server 2012 Teach yourself the programming fundamentals of SQL Server 2012—one step at a time. Ideal for beginning SQL Server database administrators and

developers, this tutorial provides clear guidance and practical, learn-by-doing exercises for building database solutions that solve real-world business problems. Discover how to: Install and work with core components and tools Create tables and index structures Manipulate and retrieve data Secure, manage, back up, and recover databases Apply techniques for building high-performing applications Use clustering, database mirroring, and log shipping *Equip yourself with the skills you need to manage and maintain your SQL databases on the Microsoft cloud* Microsoft Press

Microsoft Azure HDInsight is Microsoft's 100 percent compliant distribution of Apache Hadoop on Microsoft Azure. This means that standard Hadoop concepts and technologies apply, so learning the Hadoop stack helps you learn the HDInsight service. At the time of this writing, HDInsight (version 3.0) uses Hadoop version 2.2 and Hortonworks Data Platform 2.0. In *Introducing Microsoft Azure HDInsight*, we cover what big data really



means, how you can use it to your advantage in your company or organization, and one of the services you can use to do that quickly-specifically, Microsoft's HDInsight service. We start with an overview of big data and Hadoop, but we don't emphasize only concepts in this book—we want you to jump in and get your hands dirty working with HDInsight in a practical way. To help you learn and even implement HDInsight right away, we focus on a specific use case that applies to almost any organization and demonstrate a process that you can follow along with. We also help you learn more. In the last chapter, we look ahead at the future of HDInsight and give you recommendations for self-learning so that you can dive deeper into important concepts and round out your education on working with big data.

### **Professional Azure SQL Database Administration**

Packt Publishing Ltd

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound

book. Prepare for Microsoft Exam 70-762, Developing SQL Databases—and help demonstrate your real-world mastery of skills for building and implementing databases across organizations. Designed for database professionals who build and implement databases across organizations and who ensure high levels of data availability, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the MCSA level. Focus on the expertise measured by these objectives:

- Design and implement database objects
- Implement programmability objects
- Manage database concurrency
- Optimize database objects and SQL infrastructure

This Microsoft Exam Ref:

- Organizes its coverage by exam objectives
- Features strategic, what-if scenarios to challenge you
- Assumes you have working knowledge of Microsoft Windows, Transact-SQL, and relational databases

About the Exam

Exam 70-762 focuses on skills and knowledge for building and implementing databases across organizations and ensuring high levels of data availability. About Microsoft Certification Passing this exam earns you credit toward a Microsoft Certified

Solutions Associate (MCSA) certification that demonstrates your mastery of modern database development. Exam 70-761 (Querying Data with Transact-SQL) is also required for MCSA: SQL 2016 Database Development. See full details at:

[microsoft.com/learning](https://microsoft.com/learning)  
*Pro SQL Database for Windows Azure* Microsoft Press

Harvesting Clouds is the debut anthology from Canberra's Tram Stop Poets, a circle of both emerging and well-known regional writers. The variety and quality of verse within these pages reflect the group's diversity, love of craft, wit, perception and deep feeling for people and environment. Here is a potpourri of free verse, traditional pieces, Japanese forms, ekphrastic, experimental and shaped poems to engage, challenge and entertain. All the poets delight in playing with imaginative ideas and pursuing that dream of harvesting clouds. Welcome aboard!

### **Professional Azure SQL Managed Database Administration**

We're thrilled to share another free ebook with you: Introducing Microsoft Azure HDInsight, by Avkash

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Chauhan, Valentine  
Fontama, Michele Hart, Wee  
Hyong Tok, and Buck  
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Get a head start evaluating  
Windows Azure - with  
technical 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 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 Network Services  
Windows Azure Data  
Services Windows Azure  
App Services Getting  
Started with Windows Azure  
*Design and implement  
batch and streaming  
analytics using Azure  
Cloud Services* Apress  
Your hands-on guide to  
Azure SQL Database  
fundamentals Expand

your expertise—and teach  
yourself the fundamentals  
of Microsoft Azure SQL  
Database. If you have  
previous programming  
experience but 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  
setup and configuration  
Explore design and  
security considerations  
Use programming and  
reporting services Migrate  
data Backup and sync  
data Work with scalability  
and high performance  
Understand the  
differences between SQL  
Server and Microsoft  
Azure SQL Database  
**Windows PowerShell 3.0  
Step by Step** Microsoft  
Press  
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 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 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 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 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 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

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vast number of accelerators and patterns that can be used to aid implementation and 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 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 looking to tighten up their implementation and consolidate their knowledge