Free ebook Pro sql azure (PDF)

Pro SQL Server on Microsoft Azure Pro SQL Database for Windows Azure Pro SQL Azure Azure SQL Revealed SQL Server on Azure Virtual Machines Professional Azure SQL Managed Database Administration SQL Server 2019 Revealed Pro SQL Server Administration Professional Azure SQL Database Administration Professional Azure SQL Database Administration Pro SQL Server Internals Pro Database Migration to Azure Pro SQL Server 2012 Practices Windows Azure SQL Database Step by Step Microsoft Azure SQL Database Step by Step Pro SQL Server Always On Availability Groups Pro T-SQL 2022 SQL Server 2022 Revealed Pro SQL Server 2022 Wait Statistics Pro PowerShell for Microsoft Azure Microsoft Azure Essentials Migrating SQL Server Databases to Azure Microsoft Azure SQL Database Step by Step Practical Azure SQL Database

for Modern Developers Azure Storage, Streaming, and Batch Analytics T-SQL Fundamentals Administering Relational Databases on Microsoft Azure Cloud Data Design, Orchestration, and Management Using Microsoft Azure Limitless Analytics with Azure Synapse Pro SQL Server 2022 Administration Pro SQL Server Relational Database Design and Implementation Microsoft Azure SQL Data Warehouse Pro Microsoft HDInsight Administering Relational Databases on Microsoft Azure Pro SQL Server on Linux Pro Access 2010 Development Pro Application Lifecycle Management with Visual Studio 2012 Pro ASP.NET SharePoint 2010 Solutions Microsoft Azure Pro SharePoint 2013 App Development SQL Server 2017 Query Performance Tuning

Pro SQL Server on Microsoft Azure

2016-08-23

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 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

Pro SQL Database for Windows Azure 2013-01-25

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 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 competiton 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 Azure *2011-01-11*

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 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 winforms and from sql reporting services you ll also understand how to manage the platform by planning for scalability troubleshooting performance issues and implementing 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

Azure SQL Revealed *2020-10-30*

access detailed content and examples on azure sql a set of cloud services that allows for sql server to be deployed in the cloud this book teaches the fundamentals of deployment configuration security performance and availability of azure sql from the perspective of these same tasks and capabilities in sql server this distinct approach makes this book an ideal learning platform for readers familiar with sql server on premises who want to migrate their skills toward providing cloud solutions to an enterprise market that is increasingly cloud focused if you know sql server you will love this book you will be able to take your existing knowledge of sql server and translate that knowledge into the world of cloud services from the microsoft azure platform and in particular into azure sql this book provides information never seen before about

the history and architecture of azure sql author bob ward is a leading expert with access to and support from the microsoft engineering team that built azure sql and related database cloud services he presents powerful behind the scenes insights into the workings of one of the most popular database cloud services in the industry what you will learnknow the history of azure sqldeploy configure and connect to azure sqlchoose the correct way to deploy sql server in azuremigrate existing sql server instances to azure sqlmonitor and tune azure sql s performance to meet your needsensure your data and application are highly availablesecure your data from attack and theft who this book is for this book is designed to teach sql server in the azure cloud to the sql server professional anyone who operates manages or develops applications for sql server will benefit from this book readers will be able to translate their current knowledge of sql server especially of sql server 2019 directly to azure this book is ideal for database professionals looking to remain relevant as their customer base moves into the

cloud

SQL Server on Azure Virtual Machines

2020-06-04

learn how to combine sql server s analytics with azure s flexibility and hybrid connectivity to achieve industry leading performance and manageability for your cloud database key featuresunderstand platform availability for sql server in azureexplore the benefits and deployment choices offered by sql iaasget to grips with deploying sql server on the linux development ecosystembook description deploying sql server on azure virtual machines allows you to work on full versions of sql server in the cloud without having to maintain on premises hardware the book begins by introducing you to the sql portfolio in azure and takes you through sql server iaas scenarios before explaining the factors that you need to consider while choosing an os for sql server in azure vms as you progress through the book you ll explore different vm

options and deployment choices for iaas and understand platform availability migration tools and best practices in azure in later chapters you ll learn how to configure storage to achieve optimized performance finally you ll get to grips with the concept of azure hybrid benefit and find out how you can use it to maximize the value of your existing on premises sql server by the end of this book you ll be proficient in administering sql server on microsoft azure and leveraging the tools required for its deployment what you will learnchoose an operating system for sql server in azure vmsuse the azure management portal to facilitate the deployment processverify connectivity and network latency in cloudconfigure storage for optimal performance and connectivityexplore various disaster recovery options for sql server in azureoptimize sql server on linuxdiscover how to back up databases to a urlwho this book is for sql server on azure vms is for you if you are a developer data enthusiast or anyone who wants to migrate sql server databases to azure virtual machines basic familiarity with sql server and managed

identities for azure resources will be a plus

Professional Azure SQL Managed Database Administration 2021-03-08

master data management by effectively utilizing the features of azure sql database key featureslearn to automate common management tasks with powershell understand different methods to generate elastic pools and shards to scale azure sql databases learn to develop a scalable cloud solution through over 40 practical activities and exercises book description despite being the cloud version of sql server azure sql database and azure sql managed instance stands out in various aspects when it comes to management maintenance and administration updated with the latest azure features professional azure sql managed database administration continues to be a comprehensive guide for becoming proficient in data management the book begins by introducing you to the azure sql managed databases azure

sql database and azure sql managed instance explaining their architecture and how they differ from an on premises sql server you will then learn how to perform common tasks such as migrating backing up and restoring a sql server database to an azure database as you progress you will study how you can save costs and manage and scale multiple sql databases using elastic pools you will also implement a disaster recovery solution using standard and active geo replication finally you will explore the monitoring and tuning of databases the key features of databases and the phenomenon of app modernization by the end of this book you will have mastered the key aspects of an azure sql database and azure sql managed instance including migration backup restorations performance optimization high availability and disaster recovery what you will learnunderstanding azure sql database configuration and pricing optionsprovisioning a new sql database or migrating an existing on premises sql server database to an azure sql databasebacking up and restoring an azure sql databasesecuring and scaling an azure sql

databasemonitoring and tuning an azure sql databaseimplementing high availability and disaster recovery with an azure sql databasemanaging maintaining and securing managed instanceswho this book is for this book is designed to benefit database administrators database developers or application developers who are interested in developing new applications or migrating existing ones with azure sql database 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

SQL Server 2019 Revealed

2019-10-18

get up to speed on the game changing developments in sql server 2019 no longer just a database engine sql server 2019 is cutting edge with support for machine learning ml big data analytics linux containers kubernetes java and data

virtualization to azure this is not a book on traditional database administration for sql server it focuses on all that is new for one of the most successful modernized data platforms in the industry it is a book for data professionals who already know the fundamentals of sql server and want to up their game by building their skills in some of the hottest new areas in technology sql server 2019 revealed begins with a look at the project s team goal to integrate the world of big data with sql server into a major product release the book then dives into the details of key new capabilities in sql server 2019 using a learn by example approach for intelligent performance security mission critical availability and features for the modern developer also covered are enhancements to sql server 2019 for linux and gain a comprehensive look at sql server using containers and kubernetes clusters the book concludes by showing you how to virtualize your data access with polybase to oracle mongodb hadoop and azure allowing you to reduce the need for expensive extract transform and load etl applications you will then learn how to take your

knowledge of containers kubernetes and polybase to build a comprehensive solution called big data clusters which is a marquee feature of 2019 you will also learn how to gain access to spark sql server and hdfs to build intelligence over your own data lake and deploy end to end machine learning applications what you will learnimplement big data clusters with sql server spark and hdfs create a data hub with connections to oracle azure hadoop and other sourcescombine sql and spark to build a machine learning platform for ai applicationsboost your performance with no application changes using intelligent performanceincrease security of your sql server through secure enclaves and data classificationmaximize database uptime through online indexing and accelerated database recoverybuild new modern applications with graph ml services and t sql extensibility with javaimprove your ability to deploy sql server on linux gain in depth knowledge to run sql server with containers and kubernetesknow all the new database engine features for performance usability and diagnosticsuse the latest tools and

methods to migrate your database to sql server 2019apply your knowledge of sql server 2019 to azure who this book is for it professionals and developers who understand the fundamentals of sql server and wish to focus on learning about the new modern capabilities of sql server 2019 the book is for those who want to learn about sql server 2019 and the new big data clusters and ai feature set support for machine learning and java how to run sql server with containers and kubernetes and increased capabilities around intelligent performance advanced security and high availability

Pro SQL Server Administration 2015-11-16

pro sql server administration brings sql server administration into the modern era with strong coverage of hybrid cloud environments in memory oltp and installation on server core this comprehensive guide to sql server administration for today s dba helps you to administer the new and key areas

of sql server including columnstore indexes and the in memory oltp feature set introduced in 2014 you will also be guided through the administration of traditional areas of sql server including how to secure your instance monitor and maintain your instance and to use features such as alwayson to make your instance highly available also covered is the use of sql server features to scale out read only workloads pro sql server administration is an all new book taking up to date and modern approach that you ll want and need to further your career as a sql server database administrator extensive coverage of hybrid cloud environments involving azure sql database detailed discussions on all new key features including alwayson and in memory support comprehensive coverage of key skills such as monitoring maintenance and indexing

Professional Azure SQL Database

Administration *2019-07-19*

leverage the features of azure sql database and become an expert in data management key featuresexplore ways to create shards and elastic pools to scale azure sql databasesautomate common management tasks with powershellimplement over 40 practical activities and exercises to reinforce your learningbook description despite being the cloud version of sql server azure sql database differs in key ways when it comes to management maintenance and administration this book shows you how to administer azure sql database to fully benefit from its wide range of features and functionality professional azure sql database administration begins by covering the architecture and explaining the difference between azure sql database 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 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 monitor and tune an azure 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 instance such as migration backup restorations performance optimization high availability and disaster recovery what you will learnunderstand azure sql database configuration and pricing optionsprovision a new sql database or migrate an existing on premise sql server database to azure sql databaseback up and restore azure sql databasesecure an azure sql databasescale an azure sql databasemonitor and tune an azure sql databaseimplement high availability and disaster recovery with azure sql databaseautomate common management tasks with powershelldevelop a scalable cloud

solution with azure sql databasemanage maintain and secure managed instanceswho this book is for if you re a database administrator database developer or an application developer interested in developing new 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

Professional Azure SQL Database Administration *2018-07-31*

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

Pro SQL Server Internals *2016-11-29*

improve your ability to develop manage and troubleshoot sql server solutions by learning how different components work under the hood and how they communicate with each other the detailed knowledge helps in implementing and maintaining high throughput databases critical to your business and its customers you ll learn how to identify the

root cause of each problem and understand how different design and implementation decisions affect performance of your systems new in this second edition is coverage of sql server 2016 internals including in memory oltp columnstore enhancements operational analytics support query store json temporal tables stretch databases security features and other improvements in the new sql server version the knowledge also can be applied to microsoft azure sql databases that share the same code with sql server 2016 pro sql server internals is a book for developers and database administrators and it covers multiple sql server versions starting with sql server 2005 and going all the way up to the recently released sql server 2016 the book provides a solid road map for understanding the depth and power of the sql server database server and teaches how to get the most from the platform and keep your databases running at the level needed to support your business the book provides detailed knowledge of new sql server 2016 features and enhancements includes revamped coverage of columnstore

indexes and in memory oltp covers indexing and transaction strategies shows how various database objects and technologies are implemented internally and when they should or should not be used demonstrates how sql server executes queries and works with data and transaction log what you will learn design and develop database solutions with sql server troubleshoot design concurrency and performance issues choose the right database objects and technologies for the job reduce costs and improve availability and manageability design disaster recovery and high availability strategies improve performance of oltp and data warehouse systems through in memory oltp and columnstore indexes who this book is for developers and database administrators who want to design develop and maintain systems in a way that gets the most from sql server this book is an excellent choice for people who prefer to understand and fix the root cause of a problem rather than applying a band aid to it

Pro Database Migration to Azure 2022

migrate your existing on premises applications into the microsoft azure cloud platform this book covers the best practices to plan implement and operationalize the migration of a database application from your organization s data center to microsoft s azure cloud platform data modernization and migration is a technologically complex endeavor that can also be taxing from a leadership and operational standpoint this book covers not only the technology but also the most important aspects of organization culture communication and politics that so frequently derail such projects you will learn the most important steps to ensuring a successful migration and see battle tested wisdom from industry veterans from executive sponsorship to executing the migration to the important steps following migration you will learn how to effectively conduct future migrations and ensure that your team and your database application delivers on the expected business value of the project this book is unlike any other

currently in the market it takes you through the most critical business and technical considerations and workflows for moving your data and databases into the cloud with special attention paid to those who are deploying to the microsoft data platform in azure especially sql server although this book focuses on migrating on premises sql server enterprises to hybrid or fully cloud based azure sql database and azure sql managed instances it also cover topics involving migrating non sql server database platforms such as oracle mysql and postgresql applications to microsoft azure what you will learn plan a database migration that ensures smooth project progress optimal performance low operating cost and minimal downtime properly analyze and manage non technical considerations such as legal compliance privacy and team execution perform a thorough architectural analysis to select the best azure services performance tiers and cost containment features avoid pitfalls and common reasons for failure relating to corporate culture intra office politics and poor communications secure the proper executive champions

who can execute the business planning needed for success
apply proven criteria to determine your future state
architecture and your migration method execute your
migration using a process proven by the authors over years
of successful projects

Pro SQL Server 2012 Practices

2012-11-29

pro sql server 2012 practices is an anthology of high end
wisdom from a group of accomplished database
administrators who are quietly but relentlessly pushing the
performance and feature envelope of microsoft sql server
2012 with an emphasis upon performance but also branching
into release management auditing and other issues the book
helps you deliver the most value for your company s
investment in microsoft s flagship database system goes
beyond the manual to cover good techniques and best
practices delivers knowledge usually gained only by hard

experience focuses upon performance scalability reliability helps achieve the predictability needed to be in control at all times

Windows Azure SQL Database Step by Step *2014-06-24*

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

Microsoft Azure SQL Database Step by Step *2014*

this book will expand students expertise and teach them the fundamentals of microsoft azure sql database if students have previous programming experience but are new to azure this tutorial delivers the step by step guidance and coding exercises they need to master core topics and techniques

Pro SQL Server Always On Availability Groups *2016-10-24*

this book is your field guide to planning deploying managing and troubleshooting always on availability groups the always on availability groups feature is an enterprise level solution for high availability and disaster recovery always on provides a rich set of options that reduce overhead and resource usage and enable database administrators to implement and manage high availability and disaster recovery solutions far

more easily than by implementing the log shipping and database mirroring solutions of the past pro sql server always on availability groups shows how to reduce downtime maximize application availability and provide data protection the goal is always to have your sql server databases up and running whenever you need them rain or shine disaster or otherwise with a focus on real world experiences and war stories authors uttam parui and vivek sanil offer you tips tricks and best practices for architecting and deploying availability groups the confidence required to manage and monitor availability groups techniques to troubleshoot common issues that you may face during and after deploying availability groups in a mission critical production environment what you will learn grasp important concepts underlying high availability and disaster recovery plan and deploy always on availability groups in your corporate environment manage availability groups to ensure constant readiness and high throughput monitor availability group performance and troubleshoot problems fast build on the cloud and make

windows azure part of your availability solution employ proven techniques and best practices as tested and shared by the authors audience pro sql server always on availability groups is aimed at sql server architects database administrators and it professionals who are tasked with architecting and deploying a high availability and disaster recovery solution involving microsoft sql server this book is also for sql server support staff who will be managing and supporting existing availability group deployments

Pro T-SQL 2022 *2023-07-01*

learn how to write and design simple and efficient t sql code this is a hands on book that teaches you how to write better t sql with examples and straightforward explanations new in this edition is coverage of parameter sensitive plan psp optimization azure synapse link for real time analytics integration with s3 compatible object storage and sql ledger tables based on blockchain you ll learn to improve your t sql design in ways that provide faster performance stronger

security and easier comprehension the book identifies common anti patterns in writing t sql and instructs you on how to change your code so you can be more confident in writing t sql code that is reliable and performs well pro t sql 2022 is focused on the problems that developers are faced with and must solve in delivering successful applications the content begins from a foundation of writing t sql that is clear and understandable the book then takes you through writing sql that performs well is easy to manage through coding standards and version control can be maintained and modified as business requirements change over time scales as your business grows and takes advantage of the full range of security features built into the sql server and azure sql database engines what you will learn choose the correct data types and database objects when designing your t sql write t sql that accesses your data efficiently and uses hardware effectively implement source control and testing methods to streamline your deployment process design t sql that is flexible and can be enhanced or modified with little effort plan

for long term data management including growth and purging of older data enhance database security through features such as encryption data masking row level security and the sql ledger blockchain table type who this book is for database developers who want to improve the efficiency of their applications with better t sql developers who want to know more about t sql so they can be prepared to solve complex problems more easily data professionals who want to write high quality t sql that performs well is flexible to changing needs and is easy for others to understand

SQL Server 2022 Revealed

2022-10-28

know how to use the new capabilities and cloud integrations in sql server 2022 this book covers the many innovative integrations with the azure cloud that make sql server 2022 the most cloud connected edition ever the book covers cutting edge features such as the blockchain based ledger for

creating a tamper evident record of changes to data over time that you can rely on to be correct and reliable you ll learn about built in query intelligence capabilities to help you to upgrade with confidence that your applications will perform at least as fast after the upgrade than before in fact you ll probably see an increase in performance from the upgrade with no code changes needed also covered are innovations such as contained availability groups and data virtualization with s3 object storage new cloud integrations covered in this book include microsoft azure purview and the use of azure sql for high availability and disaster recovery the book covers azure synapse link with its built in capabilities to take changes and put them into synapse automatically anyone building their career around sql server will want this book for the valuable information it provides on building sql skills from edge to the cloud what you will learn know how to use all of the new capabilities and cloud integrations in sql server 2022 connect to azure for disaster recovery near real time analytics and security leverage the ledger to create a tamper evident

record of data changes over time upgrade from prior releases and achieve faster and more consistent performance with no code changes access data and storage in different and new formats such as parquet and s3 without moving the data and using your existing t sql skills explore new application scenarios using innovations with t sql in areas such as json and time series who this book is for sql server professionals who want to upgrade their skills to the latest edition of sql server those wishing to take advantage of new integrations with microsoft azure purview governance azure synapse analytics and azure sql ha and dr and those in need of the increased performance and security offered by query intelligence and the new ledger

Pro SQL Server 2022 Wait Statistics 2023

use this practical guide to analyze and troubleshoot sql server performance using wait statistics you ll learn to identify

precisely why your queries are running slowly and you ll know how to measure the amount of time consumed by each bottleneck so you can focus attention on making the largest improvements first this edition is updated to cover analysis of wait statistics current with sql server 2022 whether you are new to wait statistics or already familiar with them this book provides a deeper understanding on how wait statistics are generated and what they mean for your sql server instance s performance the book goes beyond the most common wait types into the more complex and performance threatening wait types you ll learn about per query wait statistics and session based wait statistics and the types of problems they can help you solve the different wait types are categorized by their area of impact including cpu io latching locking and many more clear examples are included to help you gain practical knowledge of why and how specific wait times increase or decrease how they impact your sql server s performance and what you can do to improve performance after reading this book you won t want to be without the

valuable information that wait statistics provide regarding where you should be spending your limited tuning time to maximize performance and value to your business what you ll learn understand how the sql server engine processes requests identify resource bottlenecks in a running sql server instance locate wait statistics information inside dmvs and query store analyze the root cause of sub optimal performance diagnose i o contention and locking contention benchmark sql server performance improve database performance by lowering overall wait time

Pro PowerShell for Microsoft Azure 2015-11-24

this book is written for windows professionals who are familiar with powershell and want to learn to build operate and administer their windows workloads in the microsoft cloud pro powershell for microsoft azure is packed with practical examples and scripts with easy to follow explanations for a

wide range of day to day needs and essential administration tasks author sherif talaat begins by explaining the fundamental concepts behind the microsoft azure platform and how to get started configuring it through powershell readers will find out how to deploy configure and manage the various components of the azure platform from storage and virtual networks to azure sites hdinsight clusters and the azure sql database workload automation scheduling and resource management are covered in depth to help build efficiency in everyday tasks and administrators will gain full control over azure identity and access rights using azure active directory and rights management services put your powershell skills to good use and ensure that your applications and data are available anywhere at any time with pro powershell for microsoft azure what you ll learn create and manage virtual networks and vpns using powershell configure and maintain azure storage accounts blobs and containers provision and manage a redundant windows or linux server deploy and configure your sites in the cloud

using microsoft azure sites provision apache hadoop clusters in the cloud using azure hdinsight deploy configure and manage a microsoft azure sql database protect and secure identities and resources with azure active directory and azure rights management services who this book is for this is book is for the intermediate to advanced windows professional who is ready to make the leap to the cloud

Microsoft Azure Essentials Migrating SQL Server Databases to Azure

2016-06-06

part of the microsoft 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 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 each azure environment create users back up and restore data and archive data

Microsoft Azure SQL Database Step by Step *2014*

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

Practical Azure SQL Database for Modern Developers *2020-11-02*

here is the expert level insider guidance you need on using azure sql database as your back end data store this book highlights 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 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 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 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 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 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 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

Azure Storage, Streaming, and Batch Analytics *2020-11-03*

the microsoft azure cloud is an ideal platform for data intensive applications designed for productivity azure provides pre built services that make collection storage and analysis much easier to implement and manage azure storage streaming and batch analytics teaches you how to design a reliable performant and cost effective data infrastructure in azure by progressively building a complete working analytics system summary the microsoft azure cloud is an ideal platform for data intensive applications designed for productivity azure provides pre built services that make collection storage and analysis much easier to implement and manage azure storage streaming and batch analytics teaches you how to design a reliable performant and cost effective

data infrastructure in azure by progressively building a complete working analytics system purchase of the print book includes a free ebook in pdf kindle and epub formats from manning publications about the technology microsoft azure provides dozens of services that simplify storing and processing data these services are secure reliable scalable and cost efficient about the book azure storage streaming and batch analytics shows you how to build state of the art data solutions with tools from the microsoft azure platform read along to construct a cloud native data warehouse adding features like real time data processing based on the lambda architecture for big data the design uses scalable services such as event hubs stream analytics and sql databases along the way you ll cover most of the topics needed to earn an azure data engineering certification what s inside configuring azure services for speed and cost constructing data pipelines with data factory choosing the right data storage methods about the reader for readers familiar with database management examples in c and powershell about the author

richard nuckolls is a senior developer building big data analytics and reporting systems in azure table of contents 1 what is data engineering 2 building an analytics system in azure 3 general storage with azure storage accounts 4 azure data lake storage 5 message handling with event hubs 6 real time queries with azure stream analytics 7 batch queries with azure data lake analytics 8 u sql for complex analytics 9 integrating with azure data lake analytics 10 service integration with azure data factory 11 managed sql with azure sql database 12 integrating data factory with sql database 13 where to go next

T-SQL Fundamentals *2023-03-03*

query and modify data effectively with the latest t sql features master transact sql s fundamentals and write correct robust code for querying and modifying data with modern microsoft data technologies including sql server 2022 azure sql database and azure sql managed instance long time microsoft data platform mvp itzik ben gan explains key t sql

concepts helping you apply your knowledge with hands on exercises ben gan first introduces t sql s theory and underlying logic illuminating it as both a language and a way of thinking next he walks through core topics including logical query processing single table queries joins subqueries table expressions set operators data analysis data modifications temporal tables and transactions and concurrency building on this foundation you ll enhance your coding capabilities from programmatic constructs to the powerful new sql graph throughout ben gan presents reusable t sql sample code that works in cloud on premises and hybrid environments microsoft data platform mvp itzik ben gan helps you understand why t sql works as it does so you can write better code review relational theory elements and modern sql server architecture create tables and defi ne data integrity build single table select queries multiple table joins and subqueries utilize derived tables common table expressions views inline table valued functions and apply make the most of union intersect and except set operators perform data analysis with

window functions pivoting grouping sets and time series insert update delete and merge data get started with system versioned temporal tables understand and apply transactions and concurrency including concurrent user connections locks blocking isolation levels and more use sql graph to model create modify and query graph based data explore sql server programmable objects and programming capabilities set up your environment install sample databases and fi nd even more help for it professionals and consultants for t sql developers dbas bi practitioners data scientists report writers analysts architects and sql server power users for anyone else who needs to write queries or develop t sql code for sql server azure sql database or azure sql managed instance

Administering Relational Databases on Microsoft Azure *2021-03-10*

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 administrator 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 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 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 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 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 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 see a vast gap in 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 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 fundamentals concepts of cloud cloud management tools test cases and several practice solutions

Cloud Data Design, Orchestration, and Management Using Microsoft Azure 2018-06-28

use microsoft azure to optimally design your data solutions and save time and money scenarios are presented covering

analysis design integration monitoring and derivatives this book is about data and provides you with a wide range of possibilities to implement a data solution on azure from hybrid cloud to paas services migration from existing solutions is presented in detail alternatives and their scope are discussed five of six chapters explore paas while one focuses on sql server features for cloud and relates to hybrid cloud and iaas functionalities what you ll learn know the azure services useful to implement a data solution match the products services used to your specific needs fit relational databases efficiently into data design understand how to work with any type of data using azure hybrid and public cloud features use non relational alternatives to solve even complex requirements orchestrate data movement using azure services approach analysis and manipulation according to the data life cycle who this book is for software developers and professionals with a good data design background and basic development skills who want to learn how to implement a solution using azure data services

Limitless Analytics with Azure Synapse

2021-06-18

leverage the azure analytics platform s key analytics services to deliver unmatched intelligence for your data key featureslearn to ingest prepare manage and serve data for immediate business requirementsbring enterprise data warehousing and big data analytics together to gain insights from your datadevelop end to end analytics solutions using azure synapsebook description azure synapse analytics which microsoft describes as the next evolution of azure sql data warehouse is a limitless analytics service that brings enterprise data warehousing and big data analytics together with this book you ll learn how to discover insights from your data effectively using this platform the book starts with an overview of azure synapse analytics its architecture and how it can be used to improve business intelligence and machine learning capabilities next you ll go on to choose and set up the correct environment for your business problem you ll also

learn a variety of ways to ingest data from various sources and orchestrate the data using transformation techniques offered by azure synapse later you ll explore how to handle both relational and non relational data using the sql language as you progress you ll perform real time streaming and execute data analysis operations on your data using various languages before going on to apply ml techniques to derive accurate and granular insights from data finally you ll discover how to protect sensitive data in real time by using security and privacy features by the end of this azure book you ll be able to build end to end analytics solutions while focusing on data prep data management data warehousing and ai tasks what you will learnexplore the necessary considerations for data ingestion and orchestration while building analytical pipelinesunderstand pipelines and activities in synapse pipelines and use them to construct end to end data driven workflowsquery data using various coding languages on azure synapsefocus on synapse sql and synapse sparkmanage and monitor resource utilization and

query activity in azure synapseconnect power bi workspaces with azure synapse and create or modify reports directly from synapse studiocreate and manage ip firewall rules in azure synapsewho this book is for this book is for data architects data scientists data engineers and business analysts who are looking to get up and running with the azure synapse analytics platform basic knowledge of data warehousing will be beneficial to help you understand the concepts covered in this book more effectively

Pro SQL Server 2022 Administration

2022-11-29

get your daily work done efficiently using this comprehensive guide for sql server dbas that covers all that a practicing database administrator needs to know updated for sql server 2022 this edition includes coverage of new features such as ledger which provides an immutable record of table history to protect you against malicious data tampering and integration

with cloud providers to support hybrid cloud scenarios you ll also find new content on performance optimizations such as query pan feedback and security controls such as new database roles which are restructured for modern ways of working coverage also includes query store installation on linux and the use of containerized sql pro sql server 2022 administration takes dbas on a journey that begins with planning their sql server deployment and runs through installing and configuring the instance administering and optimizing database objects and ensuring that data is secure and highly available readers will learn how to perform advanced maintenance and tuning techniques and discover sql server s hybrid cloud functionality this book teaches you how to make the most of new sql server 2022 functionality including integration for hybrid cloud scenarios the book promotes best practice installation shows how to configure for scalability and high availability and demonstrates the gamut of database level maintenance tasks such as index maintenance database consistency checks and table

optimizations what you will learn integrate sql server with azure for hybrid cloud scenarios audit changes and prevent malicious data changes with sql server s ledger secure and encrypt data to protect against embarrassing data breaches ensure 24 x 7 x 365 access through high availability and disaster recovery features in today s hybrid world use azure tooling including arc to gain insight into and manage your sql server enterprise install and configure sql server on windows linux and in containers perform routine maintenance tasks such as backups and database consistency checks optimize performance and undertake troubleshooting in the database engine who this book is for sql server dbas who manage on premise installations of sql server this book is also useful for dbas who wish to learn advanced features such as integration with azure query store extended events and policy based management or those who need to install sql server in a variety of environments

Pro SQL Server Relational Database Design and Implementation

2016-12-29

learn effective and scalable database design techniques in a sql server 2016 and higher environment this book is revised to cover in memory online transaction processing temporal data storage row level security durability enhancements and other design related features that are new or changed in sql server 2016 designing an effective and scalable database using sql server is a task requiring skills that have been around for forty years coupled with technology that is constantly changing pro sql server relational database design and implementation covers everything from design logic that business users will understand all the way to the physical implementation of design in a sql server database grounded in best practices and a solid understanding of the underlying theory louis davidson shows how to get it right in sql server

database design and lay a solid groundwork for the future use of valuable business data the pace of change in relational database management systems has been tremendous these past few years whereas in the past it was enough to think about optimizing data residing on spinning hard drives today one also must consider solid state storage as well as data that are constantly held in memory and never written to disk at all except as a backup furthermore there is a trend toward hybrid cloud and on premise database configurations as well a move toward preconfigured appliances pro sql server relational database design and implementation guides in the understanding of these massive changes and in their application toward sound database design gives a solid foundation in best practices and relational theory covers the latest implementation features in sql server 2016 helps you master in memory oltp and use it effectively takes you from conceptual design to an effective physical implementation what you will learn develop conceptual models of client data using interviews and client

documentation recognize and apply common database design patterns normalize data models to enhance scalability and the long term use of valuable data translate conceptual models into high performing sql server databases secure and protect data integrity as part of meeting regulatory requirements create effective indexing to speed query performance who this book is for programmers and database administrators of all types who want to use sql server to store data the book is especially useful to those wanting to learn the very latest design features in sql server 2016 features that include an improved approach to in memory oltp durability enhancements temporal data support and more chapters on fundamental concepts the language of database modeling sql implementation and of course the normalization process lay a solid groundwork for readers who are just entering the field of database design more advanced chapters serve the seasoned veteran by tackling the very latest in physical implementation features that sql server has to offer the book has been carefully revised to cover all the

design related features that are new in sql server 2016

Microsoft Azure SQL Data Warehouse 2015

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 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 querying the system

Pro Microsoft HDInsight *2014-02-18*

the expert s voice in big data cover

Administering Relational Databases on Microsoft Azure 2021-03-07

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 administrator concepts and the solutions the cloud provider offers azure sql database named among the top 3 databases of 2020 according to db engines azure sql database is primarily for sql dbas who are dipping their feet into the cloud world since cloud services are becoming the de facto platform for agile development and implementation numerous companies worldwide are now drifting to cloud solutions and microsoft azure is one of the prominent ones 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 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 microsoft azure takes readers through a complete tour of understanding of 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 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 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 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 see a vast gap in 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 database 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 scenario and fundamentals concepts of cloud cloud management tools test cases and several practice solutions this book provides the platform for learning the advanced azure sql database management concepts delivering a solid understanding of cloud infrastructure and available tools and explaining how to implement cloud database solutions upon completion of the book readers will be able to 1 understand azure fundamentals and concepts2 design cloud infrastructure solutions with a focus on databases in mind3 design your environment with the right services models dtu vcore serverless computing sql on azure vm etc 4 learn to administrate and manage azure sql with the best practices in

mind5 implement azure powershell and azure cli solutions to manage large infrastructures through azure automation arm templates and more 6 efficient and seamless handling of azure components7 design high availability and disaster recovery methodologies8 handle advanced diagnostics to perform troubleshooting performance issues9 learn analytics integration using log analytics and sql analytics10 perform database related integration using azure logic apps11 deep dive into administering relational database on azure cloud12 explore the key concepts that you should consider when making a move to azure sql13 learn advanced data security

Pro SQL Server on Linux *2018-10-27*

get sql server up and running on the linux operating system and containers no database professional managing or developing sql server on linux will want to be without this deep and authoritative guide by one of the most respected experts on sql server in the industry get an inside look at how sql server for linux works through the eyes of an engineer on

the team that made it possible microsoft sql server is one of the leading database platforms in the industry and sql server 2017 offers developers and administrators the ability to run a database management system on linux offering proven support for enterprise level features and without onerous licensing terms organizations invested in microsoft and open source technologies are now able to run a unified database platform across all their operating system investments organizations are further able to take full advantage of containerization through popular platforms such as docker and kubernetes pro sql server on linux walks you through installing and configuring sql server on the linux platform the author is one of the principal architects of sql server for linux and brings a corresponding depth of knowledge that no database professional or developer on linux will want to be without throughout this book are internals of how sql server on linux works including an in depth look at the innovative architecture the book covers day to day management and troubleshooting including diagnostics and monitoring the use

of containers to manage deployments and the use of self tuning and the in memory capabilities also covered are performance capabilities high availability and disaster recovery along with security and encryption the book covers the product specific knowledge to bring sql server and its powerful features to life on the linux platform including coverage of containerization through docker and kubernetes what you ll learn learn about the history and internal of the unique sql server on linux architecture install and configure microsoft s flagship database product on the linux platform manage your deployments using container technology through docker and kubernetes know the basics of building databases the t sql language and developing applications against sql server on linuxuse tools and features to diagnose manage and monitor sql server on linuxscale your application by learning the performance capabilities of sql serverdeliver high availability and disaster recovery to ensure business continuity secure your database from attack and protect sensitive data through encryption take advantage of powerful

features such as failover clusters availability groups in memory support and sql server s self tuning engine learn how to migrate your database from older releases of sql server and other database platforms such as oracle and postgresqlbuild and maintain schemas and perform management tasks from both gui and command line who this book is for developers and it professionals who are new to sql server and wish to configure it on the linux operating system this book is also useful to those familiar with sql server on windows who want to learn the unique aspects of managing sql server on the linux platform and docker containers readers should have a grasp of relational database concepts and be comfortable with the sql language

Pro Access 2010 Development

2011-08-06

pro access 2010 development is a fundamental resource for developing business applications that take advantage of the

features of access 2010 and the many sources of data available to your business in this book you ll learn how to build database applications create based databases develop macros and visual basic for applications vba tools for access applications integrate access with sharepoint and other business systems and much more using a practical hands on approach this book will take you through all the facets of developing access based solutions such as data modeling complex form development and user interface customizations you ll then deploy your solution to the web and integrate it with other external data sources this book is full of handy tricks to help you get the most out of what access has to offer including its comprehensive set of features and tools for collecting using and acting on business data whether your data is in access or stored on another platform you ll also see how to smoothly integrate your applications with sql server databases and other office programs such as outlook

Pro Application Lifecycle Management with Visual Studio 2012 2012-11-27

you can have the best coders in the world working in your teams but if your project management isn t up to scratch your project is almost certain to be delayed to come in over budget and in some cases to fail entirely by taking precise control of your application development process you can make changes both large and small throughout your project s life cycle that will lead to better quality finished products that are consistently delivered on time and within budget application lifecycle management alm is an area of rapidly growing interest within the development community because its techniques allow you to deal with the process of developing applications across many areas of responsibility and across many different disciplines its effects on your project can be wide ranging and pronounced it is a project management tool that has practical implications for the whole team from architects to designers from developers to testers

pro application lifecycle management with visual studio 2012 focuses on the most powerful alm tool available for the microsoft net framework visual studio team foundation server it demonstrates the key concepts and techniques of alm at first with a guide to the overall methodology and then delves into architecture and testing illustrating all of the concepts tips and tricks using the tools tfs provides the book serves as a complete guide to the alm style with no fluff and many relevant code samples and examples after reading the book you will understand how tfs can be used to generate continuous meaningful reporting on your project s health for the decision makers on your team as well as for your project s sponsors

Pro ASP.NET SharePoint 2010 Solutions 2011-08-13

you ve run into this issue numerous times you are developing an asp net application and you need to incorporate

functionality that comes pre packaged in sharepoint wikis blogs document management user authentication access management common needs across a variety of solutions without guidance and examples interacting with underlying sharepoint components can be challenging and working with the different sharepoint apis is complicated this book will introduce you to a variety of techniques to master the art of developing asp net applications that are built upon a sharepoint foundation with these techniques you can start using sharepoint as a development platform to enhance and complement your asp net development you ll explore integration with sharepoint components the sharepoint net iis implementation configuration management code access security feature packaging proper use of sharepoint apis advanced deployment techniques pro asp net sharepoint 2010 walks you through all of the steps needed to successfully build and deploy asp net solutions within the sharepoint platform you ll then be able to greatly enhance your applications and build unique solutions that are a

mixture of sharepoint and asp net

Microsoft Azure *2018-05-16*

this book is a guide for anyone who needs to know how to use microsoft azure it begins by helping you know the initial steps of getting started with azure by signing up for an account storage in azure has been explored hence you will know how to work with the storage accounts azure has a feature known as a virtual network this is the feature responsible for communication between the various resources that are launched within the azure platform the author guides you on how to set up a virtual network within the azure portal network security groups have also been explored hence you will know how to use them one can create a virtual machine on the azure platform the good thing is that they are allowed to choose the type of operating system to be used by the virtual machine the author helps you know how to launch a virtual machine within the platform you are also guided on how to work with sql databases within the azure platform

functions and function apps have been explored with no detail left out with azure one can store unstructured data by use of the azure cosmos db you are guided on how to do this every aspect of microsoft azure has been discussed in this book making it the best guide for you it will help you transition from an azure beginner to an azure expert here is a preview of what you ll learn getting started with microsoft azure azure storage azure virtual network launching an ubuntu server sql databases in azure azure functions azure cosmos db adding messages to azure storage queues

Pro SharePoint 2013 App Development 2013-09-03

apps have taken the world by storm and now they re taking sharepoint as well the biggest new thing in sharepoint 2013 apps are the solution to creating custom code that runs on not just your own sharepoint deployment but also on others implementations as well pro sharepoint 2013 app

development is your must have guide to developing app solutions that run on the sharepoint 2013 platform using step by step tutorials author steve wright creates a sample sharepoint app throughout the course of the book and you can walk with him through the entire lifecycle of a sharepoint app get expert guidance and advice on creating an app provisioning it for use in sharepoint securing it from unauthorized use and from other applications integrating your app with sharepoint search and other platform features and much more you ll even discover how to present your app to users on mobile devices like ipads smartphones and microsoft surface tablets apps in sharepoint are here to stay don t miss out pick up a copy of pro sharepoint 2013 app development and get started on your own custom apps today introduces the architecture for creating and hosting sharepoint apps leads the reader through the creation and deployment of a complete solution provides an understanding of the security features in the sharepoint app model helps the organization leverage internal data securely over the network

leverages sharepoint search and other services to create rich sharepoint solutions introduces the techniques for delivering data on a multitude of web and mobile platforms what you ll learn understand the architecture of a sharepoint app host sharepoint apps on your site or in the cloud create deploy and manage the lifecycle of your apps secure proprietary data while leveraging it in the cloud develop modern sophisticated user experiences access data and services from sharepoint and across the web leverage sharepoint s extensive search capabilities and other service applications use sharepoint as a social computing platform present data on various platforms including windows rt windows phone and mobile web devices who this book is for pro sharepoint 2013 app development is for developers and it professionals responsible for delivering solutions on the sharepoint 2013 platform these solutions may run on site in the cloud or in a hybrid deployment across many locations pro sharepoint 2013 app development provides the background and step by step introduction needed to create massively scalable

sharepoint applications using standard tools like visual studio and web standards like html and jquery once created sharepoint apps can be deployed internally or sold through the microsoft sharepoint store across the internet table of contents1 introduction to sharepoint apps 2 creating and deploying an app 3 managing the app lifecycle 4 creating client side logic using jquery 5 sharepoint app security 6 business connectivity services 7 service access with rest and odata 8 accessing the sharepoint environment 9 app logic components 10 developing the user experience 11 using sharepoint search 12 using sharepoint s social features 13 accessing sharepoint service applications 14 interacting with other app environments

SQL Server 2017 Query Performance Tuning *2018-10-20*

identify and fix causes of poor performance you will learn query store adaptive execution plans and automated tuning

on the microsoft azure sql database platform anyone responsible for writing or creating t sql queries will find valuable the insight into bottlenecks including how to recognize them and eliminate them this book covers the latest in performance optimization features and techniques and is current with sql server 2017 if your queries are not running fast enough and you re tired of phone calls from frustrated users then this book is the answer to your performance problems sql server 2017 query performance tuning is about more than quick tips and fixes you ll learn to be proactive in establishing performance baselines using tools such as performance monitor and extended events you ll recognize bottlenecks and defuse them before the phone rings you ll learn some quick solutions too but emphasis is on designing for performance and getting it right the goal is to head off trouble before it occurs what you ll learn use query store to understand and easily change query performance recognize and eliminate bottlenecks leading to slow performance deploy quick fixes when needed following up

with long term solutions implement best practices in t sql to minimize performance risk design in the performance that you need through careful query and index design utilize the latest performance optimization features in sql server 2017 protect query performance during upgrades to the newer versions of sql server who this book is for developers and database administrators with responsibility for application performance in sql server environments anyone responsible for writing or creating t sql queries will find valuable the insight into bottlenecks including how to recognize them and eliminate them

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