

Introducing The Azure Analysis Services Web Designer

An introduction to Azure Analysis Services Azure Analysis Services Tutorial | Scale Power BI reports into hundreds of GBs Getting Started with Azure Analysis Services Azure Analysis Services Tutorial | Introduction to Azure Analysis Services | Connect to AZ Analysis What is Azure Analysis Service and how to use it for Data Analytics with Power BI? #powerbi #azure Developing an Azure Analysis Services Database by Peter Myers (Recorded Webinar) Azure Data Lake, Azure Analysis Services and Power BI Cubes in the Cloud Analysis Services in Azure with Alex Whittles Power BI Quick Tip : DirectQuery Support for Azure Analysis Services Azure Services | Overview | Introduction | for Beginner | with Example | in 20 Minutes What is Azure Analysis Services? How to handle large datasets in Power BI? AAS Tutorial | Azure | 4K Tabular Model creation in Analysis Services | Tabular SSAS | Azure Analysis Services | Power BI Guru Microsoft Power BI: Enterprise modeling with Power BI and Azure Analysis Services - BRK3064 Introduction to SQL Server Analysis Services (SSAS) Microsoft Azure Fundamentals Certification Course (AZ-900) UPDATED - Pass the exam in 8 hours! Exploring Azure Identity, Access and Security | #AZ900withNavika Getting Started with Azure Analysis Services Getting Started with Azure Analysis Services Microsoft Analysis Services: The Tabular Model and Why You Need It! Get Started With Azure Analysis Services Azure Data Services Introduction [Full Course] Analysis Services What is the Difference between Tabular and Multidimensional Models Mastering Microsoft Power BI Introducing Microsoft Power BI Hands-on Cloud Analytics with Microsoft Azure Stack Data exploration, modeling, and advanced analytics Introducing Disaster Recovery with Microsoft Azure Predictive Analytics with Microsoft Azure Machine Learning 2nd Edition SQL Server on Azure Virtual Machines Extreme DAX Understanding Services and Tools for Implementing a Recovery Solution Cloud Analytics with Microsoft Azure Azure SQL Revealed Microsoft System Center Operations Manager Field Experience Build modern data warehouses with the combined power of analytics and Azure Microsoft Power BI Complete Reference Scalable Data Analytics with Azure Data Explorer Building Bots for Business The Cloud-Based Demand-Driven Supply Chain Reliability, scalability, and security both on premises and in the cloud Azure Data Factory Cookbook

Introducing The Azure Analysis Services Web Designer

OMB No. 4661730959357 edited by

BARTLETT DECKER

Mastering Microsoft Power BI Packt Publishing Ltd

Build agile and responsive business intelligence solutions Create a semantic model and analyze data using the tabular model in SQL Server 2016 Analysis Services to create corporate-level business intelligence (BI) solutions. Led by two BI experts, you will learn how to build, deploy, and query a tabular model by following detailed examples and best practices. This hands-on book shows you how to use the tabular model's in-memory database to perform rapid analytics—whether you are new to Analysis Services or already familiar with its multidimensional model. Discover how to:

- Determine when a tabular or multidimensional model is right for your project
- Build a tabular model using SQL Server Data Tools in Microsoft Visual Studio 2015
- Integrate data from multiple sources into a single, coherent view of company information
- Choose a data-modeling technique that meets your organization's performance and usability requirements
- Implement security by establishing administrative and data user roles
- Define and implement partitioning strategies to reduce processing time
- Use Tabular Model Scripting Language (TMSL) to execute and automate administrative tasks
- Optimize your data model to reduce the memory footprint for VertiPaq
- Choose between in-memory (VertiPaq) and pass-through (DirectQuery) engines for tabular models
- Select the proper hardware and virtualization configurations
- Deploy and manipulate tabular models from C# and PowerShell using AMO and TOM libraries

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

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

INTRODUCING MICROSOFT POWER BI

BPB Publications

Conquer SQL Server 2017 administration—from the inside out Dive into SQL Server 2017 administration—and really put your SQL Server DBA expertise to work. This supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds—all you need to plan, implement, manage, and secure SQL Server 2017 in any production environment: on-premises, cloud, or hybrid. Four SQL Server experts offer a complete tour of DBA capabilities available in SQL Server 2017 Database Engine, SQL Server Data Tools, SQL Server Management Studio, and via PowerShell. Discover how experts tackle today's essential tasks—and challenge yourself to new levels of mastery.

- Install, customize, and use SQL Server 2017's key administration and development tools
- Manage memory, storage, clustering, virtualization, and other components
- Architect and implement database infrastructure, including IaaS, Azure SQL, and hybrid cloud configurations
- Provision SQL Server and Azure SQL databases
- Secure SQL Server via encryption, row-level security, and data masking
- Safeguard Azure SQL databases using platform threat protection, firewalling, and auditing
- Establish SQL Server IaaS network security groups and

user-defined routes • Administer SQL Server user security and permissions • Efficiently design tables using keys, data types, columns, partitioning, and views • Utilize BLOBs and external, temporal, and memory-optimized tables • Master powerful optimization techniques involving concurrency, indexing, parallelism, and execution plans • Plan, deploy, and perform disaster recovery in traditional, cloud, and hybrid environments For Experienced SQL Server Administrators and Other Database Professionals • Your role: Intermediate-to-advanced level SQL Server database administrator, architect, developer, or performance tuning expert • Prerequisites: Basic understanding of database administration procedures

Hands-on Cloud Analytics with Microsoft Azure Stack

Microsoft Press

The roles of corporate and public stewards and the nature of their social contract with society have been changing over the past two centuries, and those changes have accelerated in recent decades. Moreover, with increasing focus on sustainability factors from the marketplace (regulators, investors, financiers, and consumers), corporate sustainability disclosure is shifting from voluntary to vital. Corporate and public stewards are now responsible for their performance and services from cradle-to-grave: they must properly manage corporate social responsibility and integrate it into their global strategies, rather than consider it as merely a moral obligation or a risk/reputation management exercise. Sustainability analytics, the critical link between sustainability and business strategy, helps professionals track, trend, and transform sustainability information into actionable insights across the value chain and life cycle, to enhance their sustainability performance and its disclosure. This book, *Introduction to Sustainability Analytics*, provides corporate and public stewards with a comprehensive understanding of how to determine which sustainability metrics are material to them and relevant to their business, and how to incorporate them into corporate strategy, resource allocation, and prioritization. Focusing on practical decision-making needs, it explains how to value and prioritize initiatives, and how to best allocate necessary resources through several real case studies and practical examples. Features:

- Examines pressing issues such as climate change, water scarcity, and environmental justice
- Explains how to develop a business case and global strategy for social responsibility
- Includes both corporate and public policy perspectives on sustainability economics
- Covers emerging regulations on sustainability disclosure and responsible investing

Data exploration, modeling, and advanced analytics Packt Publishing Ltd

This book provides an introduction to machine learning and cloud computing, both from conceptual and practical levels, along with their usage with a Public Cloud infrastructure. The authors emphasize fundamentals and best practices for using AI and ML in a dynamic infrastructure with cloud computing and security considerations, preparing readers to select and make use of appropriate techniques. Important topics are demonstrated using real applications and several case studies. Provides broad coverage of AI, Machine Learning and Cloud Computing; Uses real examples and case studies to demonstrate key topics; Demonstrates concepts, as well as practical usage.

Introducing Disaster Recovery with Microsoft Azure Packt Publishing Ltd

Write efficient and powerful KQL queries to query and visualize your data and implement best practices to improve KQL execution performance Key Features Apply Azure Data Explorer best practices to manage your data at scale and reduce KQL execution time Discover how to query and visualize your data using the powerful KQL Manage cluster performance and monthly costs by understanding how to size your ADX cluster correctly Book Description Azure Data Explorer (ADX) enables developers and data scientists to make data-driven business decisions. This book will help you rapidly explore and query your data at scale and secure your ADX clusters. The book begins by introducing you to ADX, its architecture, core features, and benefits. You'll learn how to securely deploy ADX instances and navigate through the ADX Web UI, cover data ingestion, and discover how to query and visualize your data using the powerful Kusto Query Language (KQL). Next, you'll get to grips with KQL operators and functions to efficiently query and explore your data, as well as perform time series analysis and search for anomalies and trends in your data. As you progress through the chapters, you'll explore advanced ADX topics, including deploying your ADX instances using Infrastructure as Code (IaC). The book also shows you how to manage your cluster performance and monthly ADX costs by handling cluster scaling and data retention periods. Finally, you'll understand how to secure your ADX environment by restricting access with best practices for improving your KQL query performance. By the end of this Azure book, you'll be able to securely deploy your own ADX instance, ingest data from multiple sources, rapidly query your data, and produce reports with KQL and Power BI. What you will learn Become well-versed with the core features of the Azure Data Explorer architecture Discover how ADX can help manage your data at scale on Azure Get to grips with deploying your ADX environment and ingesting and analyzing your data Explore KQL and learn how to query your data Query and visualize your data using the ADX UI and Power BI Ingest structured and unstructured data types from an array of sources Understand how to deploy, scale, secure, and manage ADX Who this book is for This book is for data analysts, data engineers, and data scientists who are responsible for analyzing and querying their team's large volumes of data on Azure. SRE and DevOps engineers who deploy, maintain, and secure infrastructure will also find this book useful. Prior knowledge of Azure and basic data querying will help you to get the most out of this book.

Predictive Analytics with Microsoft Azure Machine Learning 2nd Edition

Apress

This book will show you how to use Power BI effectively to create a variety of visualizations and BI dashboards. Right from gathering data through various data sources, you will learn to perform effective visual analytics. By the end of this book, you will be able to gain unique, hidden insights into your data using Microsoft Power BI.

SQL Server on Azure Virtual Machines Microsoft Press

With integrated R Services within SQL Server 2017, developers and data scientists can now benefit from the integrated, effective, efficient and more streamlined analytics environment. In this book, you will understand how to leverage the capabilities of R Services in SQL Server 2017. This short yet effective guide will help you get familiar ...

Extreme DAX Microsoft Press

Gain practical skills with Azure and understand how to start developing scalable and easy-to-maintain cloud applications. Key Features: Get up and running with the development aspects of Azure cloud. Build fault-tolerant and scalable applications on Azure. A practical, developer-centric guide for Azure developers. Book Description: Microsoft Azure is one of the fastest growing public cloud service providers in the market currently, and also holds the second highest market share after AWS. Azure has a sophisticated set of services that will help you build fault-tolerant and scalable cloud-based applications. Hands-On Azure for Developers will take you on a journey through multiple PaaS services available in Azure, including App Services, Functions, and Service Fabric, and explain in detail how to build a complete and reliable system with ease. You will learn about how to maximize your skills when building cloud-based solutions leveraging different SQL/NoSQL databases, serverless and messaging components, and even search engines such as Azure Search. In the concluding chapters, this book covers more advanced scenarios such as scalability best practices, serving static content with Azure CDN, and distributing loads with Azure Traffic Manager. By the end of the book, you will be able to build modern applications on the Azure cloud using the most popular and promising technologies, which will help make your solutions reliable, stable, and efficient. What you will learn: Implement serverless components such as Azure functions and logic apps. Integrate applications with available storages and containers. Understand messaging components, including Azure Event Hubs and Azure Queue Storage. Gain an understanding of Application Insights and other proper monitoring solutions. Store your data with services such as Azure SQL and Azure Data Lake Storage. Develop fast and scalable cloud applications. Who this book is for: Hands-On Azure for Developers is for developers who want to build highly scalable cloud-based applications on Azure. Prior knowledge of Azure services will be an added advantage. *Understanding Services and Tools for Implementing a Recovery Solution* Packt Publishing Ltd

Cloud Analytics with Microsoft Azure enables you to understand the design and business considerations that you must keep in mind while planning to adopt the cloud analytics model for your business.

Cloud Analytics with Microsoft Azure Apress

Get more out of Microsoft Power BI turning your data into actionable insights. About This Book: From connecting to your data sources to developing and deploying immersive, mobile-ready dashboards and visualizations, this book covers it all. Over 90 hands-on, technical recipes, tips, and use cases from across the Power BI platform including the Power BI Service and Mobile Applications. Proven development techniques and guidance for implementing custom solutions with DAX and M languages. Who This Book Is For: This book is for BI professionals who wish to enhance their knowledge of Power BI beyond and to enhance the value of the Power BI solutions they deliver to business users. Those who are looking at quick solutions to common problems while using Power BI will also find this book to be a very useful resource. Some experience with Power BI will be useful. What You Will Learn: Cleanse, stage, and integrate your data sources with Power BI. Abstract data complexities and provide users with intuitive, self-service BI capabilities. Build business logic and analysis into your solutions via the DAX programming language and dynamic, dashboard-ready calculations. Take advantage of the analytics and predictive capabilities of Power BI. Make your solutions more dynamic and user specific and/or defined including use cases of parameters, functions, and row level security. Understand the differences and implications of DirectQuery, Live Connections, and Import-Mode Power BI datasets and how to deploy content to the Power BI Service and schedule refreshes. Integrate other Microsoft data tools such as Excel and SQL Server Reporting Services into your Power BI solution. In Detail: Microsoft Power BI is a business intelligence and analytics platform consisting of applications and services designed to provide coherent, visual and interactive insights of data. This book will provide thorough, technical examples of using all primary Power BI tools and features as well as demonstrate high impact end-to-end solutions that leverage and integrate these technologies and services. Get familiar with Power BI development tools and services, go deep into the data connectivity and transformation, modeling, visualization and analytical capabilities of Power BI, and see Power BI's functional programming languages of DAX and M come alive to deliver powerful solutions to address common, challenging scenarios in business intelligence. This book will excite and empower you to get more out of Power BI via detailed recipes, advanced design and development tips, and guidance on enhancing existing Power BI projects. Style and approach: This book consists of practical recipes on Power BI that target novices as well as intermediate Power BI users. It goes deep into the technical issues, covers additional protocols, and many more real-life examples.

Azure SQL Revealed Apress

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.

Microsoft System Center Operations Manager Field Experience John Wiley & Sons

Explore and learn the key building blocks of Microsoft Azure services and tools for implementing a disaster-recovery solution of any on-premises or cloud-based application. In this book, you will go through various aspects of planning, designing, and configuring a robust recovery solution on Azure. *Introducing Disaster Recovery with Microsoft Azure* starts by explaining the disaster-recovery landscape and how Azure disaster recovery is different from the traditional approach. You will learn how to leverage Azure site recovery and various Azure-based services to design and implement a recovery solution and much more. Moving forward, you will design and implement various scenarios such as on-premises to Azure, Azure to Azure, and on-premises to on-premises disaster recovery. You will also learn common considerations and technicalities of implementing recovery solutions for various multi-tier, monolithic, and modern micro-services enterprise applications. Finally, you will go through real-life examples, scenarios, and exercises. After reading this book, you will be able to design and implement disaster recovery on Azure in different scenarios. You will also look at a few real-world scenarios that will provide more practical insights. What You Will Learn: Discover the fundamental building blocks of disaster recovery on Azure. Examine various application-specific considerations for disaster recovery. Leverage various PaaS capabilities to achieve maximum benefit. Design and implement a multi-regional Azure to Azure disaster recovery plan. Who This Book Is For: Consultants, architects, and Azure administrators.

BUILD MODERN DATA WAREHOUSES WITH THE COMBINED POWER OF ANALYTICS AND AZURE

Microsoft Press

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. *Introducing Microsoft Power BI* enables you to evaluate when and how to use Power BI. Get inspired to improve business processes in your company by leveraging the available analytical and collaborative features of this environment. Be sure to watch for the publication of Alberto Ferrari and Marco Russo's upcoming retail book, *Analyzing Data with Power BI and Power Pivot for Excel* (ISBN 9781509302765). Go to the book's page at the Microsoft Press Store here for more details: <http://aka.ms/analyzingdata/details>. Learn more about Power BI at <https://powerbi.microsoft.com/>.

Microsoft Power BI Complete Reference Apress

800x600 Focused technical guidance from System Center experts. Part of a series of specialized guides on System Center—this book walks through the implementation of Operations Manager in the enterprise using Windows Server 2012 R2 and System Center 2012 R2, or later. Written by experts on the Microsoft System Center team and with Microsoft MVP Mitch Tulloch as series editor, this title focuses on best practices for working with management packs, maximizing the effectiveness of reporting, troubleshooting your environment, and using Operations Manager in cloud environments. Normal 0 false false false EN-US X-NONE X-NONE MicrosoftInternetExplorer4

Scalable Data Analytics with Azure Data Explorer CRC Press Discover the true power of DAX and build advanced DAX solutions for practical business scenarios. Key Features: Solve complex business problems within Microsoft BI tools including Power BI, SQL Server, and Excel. Develop a conceptual understanding of critical business data modeling principles. Learn the subtleties of Power BI data visualizations, evaluation context, context transition, and filtering. Book Description: If you want to get the most out of Microsoft Business Intelligence tools, sooner or later you'll need to master DAX. Extreme DAX enables business analysts to generate powerful and sophisticated analyses from their data. You'll learn the principles of business intelligence, good model design, and how DAX fits into it all. Then, you'll launch into detailed examples of DAX in real-world business scenarios such as inventory calculations, forecasting, intercompany business, and data security. At each step, senior DAX experts will walk you through the subtleties involved in working with Power BI models and common mistakes to look out for as you build advanced data aggregations. You'll deepen your understanding of DAX functions, filters, and measures, and how and when they can be used to

derive effective insights. Also provided with the book are PBIX files for each chapter for you to follow along with and explore in your own time. What you will learn: Understand data modeling concepts and structures before you start working with DAX. Grasp how relationships in Power BI models are different from those in RDBMSes. Secure aggregation levels, attributes, and hierarchies using PATH functions and row-level security. Get to grips with the crucial concept of context. Apply advanced context and filtering functions including TREATAS, GENERATE, and SUMMARIZE. Explore dynamically changing visualizations with helper tables and dynamic labels and axes. Work with week-based calendars and understand standard time-intelligence. Evaluate investments intelligently with the XNPV and XIRR financial DAX functions. Who this book is for: If you are an analyst with a working knowledge of DAX in MS Power BI or other Microsoft analytics tools, this book will help you upgrade your DAX knowledge and work with analytical models more effectively. This book is not for beginners and practical experience with DAX is necessary.

BUILDING BOTS FOR BUSINESS

Packt Publishing Ltd

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 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.

The Cloud-Based Demand-Driven Supply Chain Springer Nature

See how custom chatbots and Azure Bot Service can resolve common business problems. This book takes you through the many possibilities of bot development from a business point of view, using Microsoft bot technology, and demonstrates how to connect, deploy, and manage them. Starting with an introduction to chatbots and their features you will go through the design and implementation of Azure chatbots. This will set the foundation for the rest of the book before you learn how to create and manage messages in chatbots. You'll then see how to deploy your chatbot in different business scenarios and how to integrate Azure chatbots with different applications such as Facebook and Twitter. To really allow you to demonstrate business value, *Introducing Azure Bot Service* covers tips on enhancing customer satisfaction and developing insights by analyzing customer behavior. This knowledge will help you understand how artificial intelligence techniques such as chatbots help your organization undergo digital transformation. After reading this book, you will be ready to build chatbots using Microsoft Azure, deploy them in different business scenarios, and measure the benefits of chatbots. What You Will Learn: Build time-saving chatbots using Azure Bot Service. Engage in proactive customer interaction. Integrate chatbots as a key aspect of your business strategy. Improve customer satisfaction. Ease into digital transformation using Azure chatbots. Who This Book Is For: Developers who are interested in building chatbots.

Reliability, scalability, and security both on premises and in the cloud Packt Publishing Ltd

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

Azure Data Factory Cookbook

Apress

Predictive Analytics with Microsoft Azure Machine Learning, Second Edition is a practical tutorial introduction to the field of data science and machine learning, with a focus on building and deploying predictive models. The book provides a thorough

overview of the Microsoft Azure Machine Learning service released for general availability on February 18th, 2015 with practical guidance for building recommenders, propensity models, and churn and predictive maintenance models. The authors use task oriented descriptions and concrete end-to-end examples to ensure that the reader can immediately begin using this new service. The book describes all aspects of the service from data ingress to applying machine learning, evaluating the models, and deploying them as web services. Learn how you can quickly build and deploy sophisticated predictive models with the new Azure Machine Learning from Microsoft. What's New in the Second Edition? Five new chapters have been added with practical detailed coverage of: Python Integration - a new feature announced February 2015 Data preparation and feature selection Data visualization with Power BI Recommendation engines Selling your models on Azure Marketplace

A Guide to the Cloud for SQL Server Professionals Microsoft Press

Leverage the Azure analytics platform's key analytics services to deliver unmatched intelligence for your data Key Features Learn to ingest, prepare, manage, and serve data for immediate business requirements Bring enterprise data warehousing and big data analytics together to gain insights from your data Develop end-to-end analytics solutions using Azure Synapse Book 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 learn Explore the necessary considerations for data ingestion and orchestration while building analytical pipelines Understand pipelines and activities in Synapse pipelines and use them to construct end-to-end data-driven workflows Query data using various coding languages on Azure Synapse Focus on Synapse SQL and Synapse Spark Manage and monitor resource utilization and query activity in Azure Synapse Connect Power BI workspaces with Azure Synapse and create or modify reports directly from Synapse Studio Create and manage IP firewall rules in Azure Synapse Who this book is for This book is for data engineers, IT professionals, business analysts, data scientists, and database administrators 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.

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