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Microsoft SQL Azure Enterprise Application Development Jayaram Krishnaswamy,2010-12-09 Build enterprise ready applications and projects with Microsoft SQL Azure using this book and eBook *Microsoft Azure IaaS Essentials* Gethyn Ellis,2015-05-28 This book is intended for system administrators and other IT professionals who need to both design and implement an Azure based cloud solution With the help of this book you will soon master the basic tasks needed to build a cloud based solution *Microsoft SQL Azure* Jayaram Krishnaswamy,2010 Learning SQL Server Reporting Services 2012 Jayaram Krishnaswamy,2013 The book is packed with clear instructions and plenty of screenshots providing all the support and guidance you will need as you begin to generate reports with SQL Server 2012 Reporting Services This book is for those who are new to SQL Server Reporting Services 2012 and aspiring to create and deploy cutting edge reports This book is for report developers report authors ad hoc report authors and model developers and Report Server and SharePoint Server Integrated Report Server administrators Minimal knowledge of SQL Server is assumed and SharePoint experience would be helpful **Microsoft Azure** Richard J. Dudley,2010-12-09 Straight talking advice on how to design and build enterprise applications for the cloud using Microsoft Azure with this book and eBook **Microsoft Azure** Richard J. Dudley,Nathan A. Duchene,2010 This fast paced guide enables developers to design and build Enterprise applications for the cloud You will find it easy to follow this book as the authors use an actual online portal application for the case study Throughout the development of the sample application there is discussion of important considerations for moving an application into the cloud If you provide technological leadership to their enterprise senior developers architects CIO CTO and you want or need to guide your enterprise s application design to Azure this is the perfect book for you Since the examples are in NET the book will skew to MS oriented developers But a lot of what is discussed will be applicable to anyone wanting to work with Azure No matter what language you use you provision the application fabric the same way and all the underlying concepts will be the same You will need experience with Visual Studio and some basic SQL Server knowledge

Administering Relational Databases on Microsoft Azure Rajendra Gupta,Prashanth Jayaram,Ahmad Yaseen,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

Administering Relational Databases on Microsoft Azure Ahmad Yaseen,Rajendra Gupta,Prashanth

Jayaram,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 concepts
- 2 Design cloud infrastructure solutions with a focus on databases in mind
- 3 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 mind
- 5 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 components
- 7 Design High availability and disaster recovery methodologies
- 8 Handle advanced diagnostics to perform troubleshooting performance issues
- 9 Learn analytics integration using Log Analytics and SQL Analytics
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- 12 Explore the key concepts that you should consider when making a move to Azure SQL
- 13 Learn advanced data security

Practical Azure Application Development Thurupathan Vijayakumar, 2017-05-25 Get started and learn a step by step approach to application development using Microsoft Azure Select the right services to solve the problem at hand in a cost effective manner and explore the potential different services and how they can help in building enterprise applications Azure has an ample amount of resources and tutorials but most of them focus on specific services and explain those services on their own and in a given context Practical Azure Application Development focuses on building complete solutions on Azure using different services This book gives you the holistic approach to Azure as a solutions development platform This book Covers Azure as a solution development platform for building applications Provides real world examples to understand why and when an Azure service is required Discusses how Azure helps to achieve continuous improvement and expansion of an application Provides application development experience from purchasing Azure to integrating with core Azure services including an introduction to DevOps with VSTS What You'll Learn Use Azure services to solve real world software problems Define the usage of Azure services and select the right services to solve the problem at hand Make clear and less ambiguous decisions about using different Azure services Take a holistic approach to Azure as a solution platform Understand the basics of security data protection and cost controls in Azure Who This Book Is For Developers software engineers and architects who have experience in NET and web development but have little or no knowledge in planning and developing an application on Azure

Azure SQL Revealed Bob Ward, 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 Learn: Know the history of Azure SQL; Deploy, configure, and connect to Azure SQL; Choose the correct way to deploy SQL Server in Azure; Migrate existing SQL Server instances to Azure SQL; Monitor and tune Azure SQL's performance to meet your needs; Ensure your data and application are highly available; Secure 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. **Pro SQL Database**

for Windows Azure Scott Klein, Herve Roggero, 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 competition. Shows how to use SQL Azure from classic Windows applications, ASP.NET, and Windows Communication Foundation. Covers management, performance, scalability, and troubleshooting. Addresses the all-important issue of securing your data. Helps you properly design for high performance in a cloud environment. Helps you adopt the new Federations feature in SQL Azure.

Robust Cloud Integration with Azure Mahindra Morar, Abhishek Kumar, Martin Abbott, Gyanendra Kumar Gautam, James Corbould, Ashish Bhambhani, 2017-03-22. Unleash the power of serverless integration with Azure. About This Book: Build and support highly available and scalable API Apps by learning powerful Azure-based cloud integration. Deploy and deliver

applications that integrate seamlessly in the cloud and quickly adapt as per your integration needs Deploy hybrid applications that work and integrate on the cloud using Logic Apps and BizTalk Server Who This Book Is For This book is for Microsoft Enterprise developers DevOps and IT professionals who would like to use Azure App Service and Microsoft Cloud Integration technologies to create cloud based web and mobile apps What You Will Learn Explore new models of robust cloud integration in Microsoft Azure Create your own connector and learn how to publish and manage it Build reliable scalable and secure business workflows using Azure Logic Apps Simplify SaaS connectivity with Azure using Logic Apps Connect your on premises system to Azure securely Get to know more about Logic Apps and how to connect to on premises line of business applications using Microsoft BizTalk Server In Detail Microsoft is focusing heavily on Enterprise connectivity so that developers can build scalable web and mobile apps and services in the cloud In short Enterprise connectivity from anywhere and to any device These integration services are being offered through powerful Azure based services This book will teach you how to design and implement cloud integration using Microsoft Azure It starts by showing you how to build deploy and secure the API app Next it introduces you to Logic Apps and helps you quickly start building your integration applications We ll then go through the different connectors available for Logic Apps to build your automated business process workflow Further on you will see how to create a complex workflow in Logic Apps using Azure Function You will then add a SaaS application to your existing cloud applications and create Queues and Topics in Service Bus on Azure using Azure Portal Towards the end we ll explore event hubs and IoT hubs and you ll get to know more about how to tool and monitor the business workflow in Logic Apps Using this book you will be able to support your apps that connect to data anywhere be it in the cloud or on premises Style and approach This practical hands on tutorial shows you the full capability of App Service and other Azure based integration services to build scalable and highly available web and mobile apps It helps you successfully build and support your applications in the cloud or on premises successfully We ll debunk the popular myth that switching to cloud is risky it s not

Implementing DevOps with Microsoft Azure Mitesh Soni, 2017-04-28 Accelerate and Automate Build Deploy and Management of applications to achieve High Availability About This Book This guide highlights tools that offer development and deployment environments for application services Secure and continuously monitor your web application in order to make it highly available Use Visual Studio Team Services for Continuous Integration and Continuous Development to expedite your application life cycle management process Use Microsoft Azure App Services Azure Web Apps Azure Websites PaaS offering from Microsoft to deploy web application Who This Book Is For This book is for DevOps engineers system administrators and developers net who want to implement DevOps for their organization You do not need to have any knowledge of VSTS or Azure App Services Azure Web Apps Azure Websites What You Will Learn Explore the features of PaaS and aPaaS in DevOps Use Visual Studio Team Services VSTS to manage versions of code and integrating VSTS with Eclipse IDE Understand and configure Continuous Integration in VSTS Review Unit Test Execution for Automated

Testing Create different environments that can be used to continuous deploy a web application Configure Roll based Access to enable secure access for Azure Web Apps Create and configure the App Service Environment to enhance security Understand the execution of the end to end automation process Conduct Performance Testing using JMeter Discover the different monitoring options available in Microsoft Azure Portal In Detail This book will teach you all about the Visual Studio Team Services and Microsoft Azure PaaS offerings that support Continuous Integration Continuous Delivery Continuous Deployment and execution in the cloud with high availability disaster recovery and security You will first be given a tour of all the concepts and tools that Microsoft Azure has to offer and how these can be used in situations to cultivate the DevOps culture You ll be taught how to use and manage Visual Studio Team Services VSTS and about the structure of the sample application used throughout the book You will become familiar with the nitty gritty of Continuous Integration and Continuous Development with VSTS and Microsoft Azure Apps You will not only learn how to create App service environments but also how to compare Azure Web Apps and App Service Environments to deploy web applications in a more secure environment Once you have completed Continuous Integration and created the Platform for application deployment you will learn more about the final stepping stone in achieving end to end automation using approval based Continuous Delivery and Deployment You will then learn about Continuous Monitoring using the monitoring and notification options provided by Microsoft Azure and Visual Studio Team Services Style and Approach This book is an easy to follow guide filled with examples and real world applications for gaining an in depth understanding of Microsoft Azure and Visual Studio This book will help you leverage Microsoft Azure and Visual Studio using real world examples **Professional Azure SQL Managed Database**

Administration Ahmad Osama, Shashikant Shakya, 2021-03-08 Master data management by effectively utilizing the features of Azure SQL database Key Features Learn 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 learn Understanding Azure SQL database configuration and pricing options Provisioning a new SQL database or migrating an existing on premises SQL Server database to an Azure SQL database Backing up and restoring an Azure SQL database Securing and scaling an Azure SQL database Monitoring and tuning an Azure SQL database Implementing high availability and disaster recovery with an Azure SQL database Managing maintaining and securing managed instances Who 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 2025 Unveiled Bob Ward, 2025-10-15 Unveil the data platform of the future with SQL Server 2025 guided by one of its key architects With built in AI for application development and advanced analytics powered by Microsoft Fabric SQL Server 2025 empowers you to innovate securely and confidently This book shows you how Author Bob Ward Principal Architect for the Microsoft Azure Data team shares exclusive insights drawn from over three decades at Microsoft Having worked on every version of SQL Server since OS 2 1 1 Ward brings unmatched expertise and practical guidance to help you navigate this transformative release Ward covers everything from setup and upgrades to advanced features in performance high availability and security He also highlights what makes this the most developer friendly release in a decade support for JSON RegEx REST APIs and event streaming Most critically Ward explores SQL Server 2025 s advanced scalable AI integrations showing you how to build AI powered applications deeply integrated with the SQL engine and elevate your analytics to the next level But innovation doesn t come at the cost of safety this release is built on a foundation of enterprise grade security helping you adopt AI safely and responsibly You control which models to use how they interact with your data and where they run from ground to cloud or integrated with Microsoft Fabric With built in features like Row Level Security RLS Transparent Data Encryption TDE Dynamic Data Masking and SQL Server Auditing your data remains protected at every layer The AI age is here Make sure your SQL Server databases are ready and built for secure scalable innovation What You Will Learn if supportLists endif Understand why SQL Server 2025 is a unique new release if supportLists endif Grasp the fundamentals of AI to leverage AI with your data using the industry proven security and scale of SQL Server if supportLists endif Utilize AI models of your choice services and frameworks to build new AI applications if supportLists endif Explore new developer features such as JSON Regular Expressions REST API and Change Event Streaming if supportLists endif Discover SQL Server 2025 s powerful new engine capabilities to increase application concurrency if supportLists endif Examine new high availability features to enhance uptime and diagnose complex HADR configurations if supportLists Use new query processing capabilities to extend the performance of your application if supportLists endif Connect SQL Server to Azure with Arc for

advanced management and security capabilities if supportLists endif Secure and govern your data using Microsoft Entra if supportLists endif Achieve near real time analytics with the unified data platform Microsoft Fabric if supportLists endif Integrate AI capabilities with SQL Server for enterprise AI if supportLists endif Leverage new tools such as SQL Server Management Studio and Copilot experiences to assist your SQL Server journey Who This Book Is For The SQL Server community including DBAs architects and developers eager to stay ahead with the latest advancements in SQL Server 2025 and those interested in the intersection of AI and data particularly how artificial intelligence AI can be seamlessly integrated with SQL Server to unlock deeper insights and smarter solutions

Building Web Services with Microsoft Azure Alex Belotserkovskiy, Stephen Kaufman, Nikhil Sachdeva, 2015-05-27 If you are a NET developer who wants to develop end to end RESTful applications in the cloud then this book is for you A working knowledge of C will help you get the most out of this book

Professional Azure SQL Database Administration Ahmad Osama, 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

SQL Server on Azure Virtual Machines Joey D'Antoni, Louis Davidson, Allan Hirt, John Martin, Anthony Nocentino, Tim Radney, Randolph West, 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

Features Understand platform availability for SQL Server in Azure Explore the benefits and deployment choices offered by SQL IaaS Get to grips with deploying SQL Server on the Linux development ecosystem Book 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 learn Choose an operating system for SQL Server in Azure VMs Use the Azure Management Portal to facilitate the deployment process Verify connectivity and network latency in cloud Configure storage for optimal performance and connectivity Explore various disaster recovery options for SQL Server in Azure Optimize SQL Server on Linux Discover how to back up databases to a URL Who 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

Practical Azure SQL Database for Modern Developers Davide Mauri, Silvano Coriani, Anna Hoffman, Sanjay Mishra, Jovan Popovic, 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

Mastering Cloud Development using Microsoft Azure Roberto Freato,Marco Parenzan,2016-06-28 Master the art of efficiently composing Azure services and implement them in real world scenarios About This Book Build an effective development environment in Azure using the right set of technologies Architect a full stack solution in the cloud to choose the best service set A comprehensive guide full of real life examples to help you take your developer skills up a notch Who This Book Is For If you are a developer a full stack developer or an architect with an intermediate level understanding of cloud computing and Microsoft Azure and you want to take your skills up a notch this book is for you Prior knowledge and understanding of cloud development strategies is assumed What You Will Learn Set up a development environment with VMs ARM and RemoteApp Connect with VPNs to manage security and backups Establish a front end architecture with AppService storage search and caching Implement identity solutions integrate applications and use data Integrate cross platform mobile applications with the cloud Consistently build and manage an API layer for millions of users Work with messages in the enterprise Deploy your services as an IT expert with ARM templates In Detail Microsoft Azure is a cloud computing platform that supports many different programming languages tools and frameworks including both Microsoft specific and third party software and systems This book starts by helping you set up a professional development environments in the cloud and integrating them with your local environment to achieve improved efficiency You will move on to create front end and back end services and then build cross platform applications using Azure Next you ll get to grips with advanced techniques used to analyze usage data and automate billing operations Following on from that you will gain knowledge of how you can extend your on premise solution to the cloud and move data in a pipeline In a nutshell this book will show you how to build high quality end to end services using Microsoft Azure By the end of this book you will have the skillset needed to successfully set up develop and manage a full stack Azure infrastructure Style and Approach This comprehensive guide to Azure has both explorative parts and step by step ones Each chapter defines a learning path to a specific scenario mixing the appropriate technologies and building blocks efficiently

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