Microsoft SQL Azure: Enterprise Application Development

Build enterprise-ready applications and projects with SQL Azure

Jayaram Krishnaswamy

Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram

Rajendra Gupta,Prashanth Jayaram,Ahmad Yaseen

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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

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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 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

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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 fromthe 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   **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 *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 <u>Professional Azure SQL Database Administration</u> 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 **Extend Microsoft Access Applications to the Cloud** Andrew Couch,2015-01-22 Build new Access cloud web apps and migrate desktop databases to the cloud This is your complete practical guide to creating Microsoft Access web apps and migrating existing databases to the cloud Access MVP Andrew Couch guides you through the entire web app life cycle from design through deployment and upgrades After introducing Microsoft Office 365 and the web app development environment he reviews key issues associated with moving data into a web app or creating cloud apps with new data Next he drills down into app construction from table design to integration You ll learn how to extend Access with Microsoft Azure SQL PowerPivot Visual Studio 2013 SQL Server Reporting Services SSRS and Apps for Office and master important new enhancements in Office 365 SP1 Learn best practices and techniques to Capitalize on key Office 365 features in your Access web apps Design and integrate all the features of Access web apps Make your desktop databases compatible with web app table structures Implement and test business rules by using the Macro Programming Tools Understand how your app design translates to objects in the cloud

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This book delves into Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram. Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram is an essential topic that must be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:

   - Chapter 1: Introduction to Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram
   - Chapter 2: Essential Elements of Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram
   - Chapter 3: Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram in Everyday Life
   - Chapter 4: Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram in Specific Contexts
   - Chapter 5: Conclusion

2. In chapter 1, the author will provide an overview of Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram. This chapter will explore what Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram is, why Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram is vital, and how to effectively learn about Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram.
3. In chapter 2, this book will delve into the foundational concepts of Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram. This chapter will elucidate the essential principles that need to be understood to grasp Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram in its entirety.
4. In chapter 3, this book will examine the practical applications of Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram in daily life. The third chapter will showcase real-world examples of how Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram can be effectively utilized in everyday scenarios.
5. In chapter 4, this book will scrutinize the relevance of Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram in specific contexts. This chapter will explore how Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, the author will draw a conclusion about Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram. This chapter will summarize the key points that have been discussed throughout the book.
   This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Microsoft Sql Azure Enterprise Application Development Krishnaswamy Jayaram.

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