Windows Azure Step By Step Step By Step Developer

Microsoft Azure Cloud - Complete Practical Guide for Ultimate BeginnersLearn Microsoft AzureAzureMicrosoft AzureMicrosoft Azure For BeginnersUnderstanding AzureMicrosoft Azure Tutorial the Ultimate Beginners GuideMicrosoft Azure SQL Database Step by StepWindows Azure SQL Database Step by StepMastering AzureMicrosoft Azure BibleUltimate Azure IaaS for Infrastructure ManagementCloud Made SimplePractical Azure Application DevelopmentMastering Microsoft Azure Infrastructure ServicesMicrosoft Azure Made EasyMicrosoft Azure SQL Database Step by StepHands-on Azure DevOpsWindows Azure Step by StepMicrosoft Azure IaaS ProTechGurus Saillesh Pawar Kennan Bismar Mark J Lean Yedukondalu Chary Ak M Dennis Hutten Leonard Lobel Leonard G. Lobel Edwin Cano Jason Taylor Dean Cefola Kameron Hussain Thurupathan Vijayakumar John Savill R Parvin Leonard Lobel Mitesh Soni Roberto Brunetti Sachin Srivastava

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this book has been written for the candidates who want to learn and use the microsoft azure cloud platform candidates who have just started his career with cloud services who is already working with azure cloud services this is also dedicated for those who are preparing themselves for one of the most popular cloud certifications implementing microsoft azure infrastructure solutions exam this is mainly focused on the hands on lab exercises and real world best practices rather than deep theoretical and conceptual lectures however we have covered enough concept and theory part of each of the mentioned topic there are hundreds of theoretical documentations are available on the microsoft azure official documentation site and few other sites on the internet community but there are very few articles on the step by step how to guide to implement use and configure azure cloud services this guide will help you to become handy and expert on most of the microsoft azure cloud services that will help you start your career with cloud technologies however this guide also contains various real world enterprise level best practices to implement and use for the production services these step by step lab exercises will help you to design a highly secure scalable and well architecture enterprise level cloud solutions and designs we have covered the following topics in this guide along with step by step lab exercises 01 cloud computing introduction02 cloud service providers03 types of cloud04 cloud offering classes05 microsoft azure introduction06 getting started with free azure subscription07 getting familiarized with azure portal options08 getting azure subscription details09 creating administrative users for azure cloud management10 enable multi factor authentication for azure accounts11 azure pricing calculator12 introduction azure virtual network vnet 13 creating an azure virtual network14 introduction to azure resource groups15 managing resource groups16 introduction azure virtual machines17 understanding azure vm series types18 creating azure virtual machine19 connecting azure virtual machines20 detailed explanation of

azure virtual machine options21 configure disk in azure virtual machine22 capturing vm image in azure cloud23 creating azure vm from captured image24 importing and exporting azure virtual machine25 azure network security group nsg 6726 creating and applying nsg for azure virtual network27 managing azure storage services28 working with azure storage explorer29 managing azure storage using azure cli30 working with azure files share31 mounting azure files share32 azure database storage services33 creating and using azure sql database34 restoring azure sql database35 exporting importing sql databases36 azure active directory37 azure marketplace38 working with azure vpn gateways39 creating a windows server virtual machine40 connecting your windows vm using p2s vpn gateway securely41 configuring vnet peering between azure virtual networks42 working with load balancers in azure cloud43 configuring azure load balancer44 configuring vm scale set in azure cloud45 configuring application gateway in azure cloud46 configuring waf in azure cloud47 working with azure cloud management tools48 managing azure account using powershell49 scheduling auto and stop azure vms

implement rich azure saas paas iaas ecosystems using containers serverless services and storage solutions description book explains azure services offerings to advance resource creation to see how all the moving parts go together it walks through various cloud development tools which will speed our development process books majorly covers practical information to get you started to a proficient level and towards cloud mindset azure cloud offers enormous services to solve your problem in this modern world microsoft azure has mobile big data iot ai machine learning storage database and so on we will be going through some of these available services to solve our business problem in this book if you are a net developer who wants to learn microsoft azure and want to have cloud mindset this book is for you cloud application development requires a cloud mindset cloud mindset is developed by gradually going through all the available services provided by microsoft azure and using the best fit solution for your problem Òif you are c developer who wants to start with azure then this book is for you key features this book

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quickstart guide for microsoft azure microsoft azure is an incredibly versatile and powerful cloud service but only if you know how to use it need to learn azure fast microsoft azure is a cloud service that can be used to for building testing and managing applications and services through a network of servers managed by microsoft in various locations all over the world when you understand how to use azure you unlock a world of computing power and possibilities get the most out of azure simply by following the easy instructions fully explained inside this guide it

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microsoft azure for beginners a complete step by step practical guide is a comprehensive guide to understanding and utilizing microsoft azure a popular cloud computing platform whether you are a developer an it administrator or someone who is simply interested in learning more about cloud computing this book is perfect for you this book is designed for beginners and it assumes no prior knowledge of azure we start with an introduction to cloud computing and the fundamentals of microsoft azure we ll then move on to the different segments of azure such as saas paas and iaas and the various azure services that are available as we progress through the book we ll cover a wide range of topics including azure virtual machines azure virtual networks and services azure storage managing azure active directory azure app service plans azure sql database azure backup and site recovery azure arm templates serverless computing managing app services data factory azure container service and azure cosmos db each chapter includes a variety of hands on exercises that will help you gain practical experience with azure by the end of this book you will have a solid understanding of microsoft azure and will be equipped with the knowledge and skills you need to work with azure in the real world so let s get started on this exciting journey into the world of microsoft azure

this book has been written for those candidates who have just started their career with cloud services or who is already working with azure cloud services this is also dedicated to those who are preparing themselves for one of

the most popular cloud certifications implementing microsoft azure infrastructure solutions exam this book is mainly focused on all the basic concepts of microsoft azure with hands on lab exercises and real world best practices rather than deep theoretical and conceptual lectures proper explanation with screenshots on the step by step how to guide to implement use and configure azure cloud services this guide will help you to become handy and expert on most of the microsoft azure cloud services that will help you start your career with cloud technologies however this guide also contains various real world enterprise level best practices to implement and use for the production services we have covered the following topics in this guide along with step by step lab exercises chapter 1 getting started with azure chapter 2 app services chapter 3 virtual machines chapter 4 sql azure chapter 5 azure data lake chapter 6 azure explorer and blob storage chapter 7 manage azure blob storage chapter 8 understanding document db in azure chapter 9 mobile services chapter 10 connectors in azure chapter 11 connecting with twitter in azure chapter 12 services scheduler in azure chapter 13 media services in azure chapter 14 api apps in azure chapter 15 machine learning

windows azure which was later renamed as microsoft azure in 2014 is a cloud computing platform designed by microsoft to successfully build deploy and manage applications and services through a global network of datacenters this tutorial explains various features of this flexible platform and provides a step by step description of how to use the same this tutorial has been designed for software developers who are keen on developing best in class applications using this open and advanced platform of windows azure

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

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

cloud computing has reshaped the way businesses operate innovate and compete in the modern world among the many cloud platforms available microsoft azure stands out as a powerful and flexible solution for enterprises developers and it professionals alike as organizations continue to migrate their operations to the cloud azure has become a central hub for building deploying and managing applications infrastructure and data services with unmatched scalability security and efficiency this book mastering microsoft azure a comprehensive guide to microsoft azure is designed to be your roadmap for navigating the complexities of azure whether you re a business leader looking to harness the cloud for operational success a developer exploring azure s vast tools for application deployment or an it professional aiming to enhance your cloud expertise this guide will provide the knowledge and practical skills necessary to excel in today s cloud driven world why azure microsoft azure is one of the most popular and widely adopted cloud platforms globally offering over 200 products and services across a broad range of computing needs from virtual machines and databases to ai iot and machine learning azure empowers businesses of all sizes to innovate faster scale efficiently and reduce costs it s trusted by some of the world s largest organizations and has earned a reputation for reliability security and robust performance in this book we will explore azure from both a technical and strategic perspective covering everything from foundational concepts to advanced features whether you re new to cloud computing or are already familiar with azure this book will help you

understand how to leverage the platform to solve real world business challenges optimize processes and drive digital transformation what you will learn this guide is structured to provide a comprehensive learning experience you will gain a deep understanding of the following key topics fundamentals of cloud computing and azure learn the basics of cloud technology how azure fits into the cloud ecosystem and the fundamental concepts like iaas paas and saas setting up and managing azure environments master the azure portal resource management tools and best practices for managing subscriptions resource groups and security azure compute and networking dive into azure s computing resources including virtual machines azure kubernetes service aks and networking services such as virtual networks and load balancing storage databases and analytics discover how azure handles data storage backups disaster recovery and analytics with an in depth look at services like azure sql cosmos db and data factory security identity and governance understand the essential security measures in azure including identity management encryption access control and compliance automation and devops learn how to automate tasks and streamline application deployments with tools like azure devops logic apps and azure automation ai machine learning and advanced services explore azure s capabilities in artificial intelligence machine learning and big data processing enabling you to unlock the potential of next generation technologies hybrid cloud and migration understand how to integrate on premises systems with azure create hybrid cloud environments and execute cloud migration strategies optimizing performance and costs learn how to manage and optimize your azure environment for performance cost efficiency and scalability career development and certification gain insights into pursuing certifications building a career in cloud computing and continuous learning in the azure ecosystem who should read this book this book is aimed at a wide audience from beginners to advanced users of azure it is perfect for business decision makers who want to understand how azure can help drive digital transformation in their organizations it professionals and system administrators looking to improve their skills in

managing azure environments and ensuring seamless cloud operations developers interested in deploying managing and scaling applications on azure cloud architects seeking to design robust scalable and secure cloud solutions students and those beginning their cloud computing journey who wish to build a strong foundation in azure how to use this book each chapter of this book is designed to be self contained meaning you can read it sequentially or jump to specific topics that are most relevant to your needs for those just starting it is recommended to begin with the fundamentals and progress through the chapters for a structured learning experience advanced users may prefer to skip ahead to more complex topics like azure devops machine learning and security best practices throughout the book you ll find step by step tutorials best practices and real world use cases that will help you apply the concepts in practical scenarios at the end of each chapter you ll also find a summary and a set of exercises designed to reinforce the concepts learned embracing the cloud revolution the cloud is no longer just a buzzword it s a transformative technology that is fundamentally changing how businesses operate microsoft azure offers the tools resources and services to help you stay ahead in this cloud first world by mastering azure you re not just learning a platform you re gaining the skills needed to shape the future of your organization and career so whether you are just beginning your azure journey or looking to deepen your expertise this book will provide you with the knowledge tools and insights necessary to thrive in the cloud era let s embark on this exciting journey of mastering azure and unlocking the full potential of cloud computing for your business and beyond

power up your skills with microsoft azure bible in an era where digital transformation is at the forefront of business strategy mastering cloud technology is no longer optional it s essential this comprehensive tutorial book is designed to guide you through the intricacies of microsoft azure one of the most robust and versatile cloud platforms available today whether you re a complete beginner eager to learn or an experienced developer looking

to deepen your expertise this book offers invaluable insights tailored to your skill level and goals what you ll find inside step by step guidance the book is structured to take you on a progressive journey through cloud architecture and deployment each chapter builds on the previous one ensuring that you develop a solid foundation before moving on to more complex topics you ll learn how to design implement and manage cloud solutions that meet real world business needs expert tips and tricks benefit from insider knowledge shared by industry experts discover time saving techniques and best practices that can help you avoid common pitfalls optimize your workflow and enhance your productivity these nuggets of wisdom will empower you to work smarter not harder real world case studies learn from practical examples that illustrate how organizations across various industries have successfully implemented azure solutions these case studies highlight the challenges faced the strategies employed and the outcomes achieved providing you with a well rounded understanding of the azure ecosystem in action hands on projects engage with interactive exercises and projects that allow you to apply what you ve learned these hands on activities will help solidify your understanding and give you the confidence to tackle real world scenarios whether it s building a web app deploying a database or implementing security measures you ll gain practical experience that enhances your skill set comprehensive coverage of key topics dive deep into crucial areas such as cloud security data storage application development and devops practices each topic is explored in detail providing you with the knowledge necessary to make informed decisions and architect solutions that meet today s demands best practices for success learn proven strategies to optimize your cloud architecture enhance performance and ensure security discover how to leverage azure s features to build scalable resilient applications that can adapt to changing business requirements future trends and innovations stay ahead of the curve with insights into emerging technologies and trends within the azure ecosystem explore the potential of ai machine learning and serverless computing and understand how they can be integrated into your projects this book is not just a tutorial it s a

comprehensive resource that equips you with the tools and knowledge to thrive in the cloud centric world whether you aim to build scalable applications deploy robust services or harness the power of data analytics this guide will serve as your ultimate roadmap to success in microsoft azure join the ranks of successful cloud developers and innovators today transform your ideas into reality with microsoft azure let this book be your trusted companion on your journey to mastering the cloud

tagline elevate your skills to master the cloud key features step by step guide and real world scenarios to help readers confidently implement azure iaas solutions detailed explanations of azure iaas components like virtual machines storage and networks offering a thorough understanding of each element in the cloud infrastructure insights into evolving cloud technologies to keep skills relevant and prepare for advanced services description ultimate azure iaas for infrastructure management is your go to guide for mastering azure s infrastructure as a service iaas the book demystifies the complexities of cloud architecture offering readers a clear path to understanding and leveraging azure s full potential starting from the basics the book begins by introducing you to the fundamentals of azure iaas ensuring a solid foundation as you progress the book offers practical step by step tutorials based on real world scenarios to deploy virtual machines manage storage secure networks and design comprehensive cloud solutions each chapter builds on the last delving into advanced topics ensuring you stay ahead in the ever evolving cloud landscape by the time you finish you ll not only have mastered current azure iaas technologies but also be equipped with resources to continue your learning journey ensuring your skills remain up to date in the fast changing tech world what will you learn master the art of designing and architecting effective azure cloud solutions learn how to select the right azure resources for various scenarios discover strategies for deploying scalable azure cloud services with ease gain expertise in managing and securing azure storage solutions create and configure secure high performance virtual networks in azure implement robust backup disaster

recovery and business continuity strategies optimize azure cloud resources for maximum cost efficiency and performance build a solid foundation to stay ahead with emerging cloud technologies who is this book for this book is tailored for it professionals cloud architects and system administrators looking to enhance their azure skills for managing and deploying azure infrastructure it s also valuable for tech enthusiasts and students or educators seeking a comprehensive azure iaas resource prior azure experience is helpful but not required table of contents 1 introduction to azure iaas 2 getting started with azure iaas 3 azure iaas compute services 4 azure iaas storage services 5 azure iaas networking services 6 azure iaas monitoring 7 azure iaas optimization 8 azure iaas automation 9 azure iaas designing solutions 10 azure iaas epilogue index

cloud made simple your first steps in microsoft azure is your essential guide to understanding navigating and succeeding in the world of cloud computing starting with microsoft azure whether you re a complete beginner a student a small business owner or a professional transitioning into cloud technologies this book demystifies azure and provides a clear structured path to getting hands on with one of the leading cloud platforms in the world starting with the fundamentals you ll explore what cloud computing really is why businesses are rapidly adopting it and the different service models like iaas paas and saas learn how azure fits into the broader cloud landscape how it compares to other providers and what makes it an ideal starting point for newcomers as the chapters progress you ll be guided step by step through setting up your azure account understanding its global infrastructure and navigating the azure portal with confidence the book dives into core services compute storage networking identity and databases so you can understand and start using them in real world scenarios you ll build your very first cloud project by deploying a web application setting up databases linking services and learning how to monitor and manage them efficiently dedicated chapters on security cost optimization and troubleshooting equip you with the knowledge to avoid common pitfalls and make the most of azure s capabilities for those eager to advance beyond

the basics the book introduces azure devops automation tools like arm templates and cutting edge azure services for ai and machine learning whether you re aiming to pass an azure certification start a new career or modernize your business s it strategy cloud made simple provides the roadmap you need with practical examples simplified explanations helpful appendices and real world insights this is the ultimate beginner s companion for stepping confidently into the cloud era with microsoft azure

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

understand create deploy and maintain a public cloud using microsoft azure mastering microsoft azure infrastructure services guides you through the process of creating and managing a public cloud and virtual network using microsoft azure with step by step instruction and clear explanation this book equips you with the skills required to provide services both on premises and off premises through full virtualization providing a deeper understanding of azure s capabilities as an infrastructure service each chapter includes online videos that visualize and enhance the concepts presented in the book and access to a windows app that provides instant azure updates and demonstrates the process of going from on premises to public cloud via azure coverage includes storage customization connectivity virtual networks backing up hybrid environments system center management and more giving you everything you need to understand evaluate deploy and maintain environments that utilize microsoft azure understand cost options and applications of infrastructure as a service iaas enable on and off premises connectivity to azure customize azure templates and management processes exploit key technologies and embrace the hybrid environment mastering microsoft azure infrastructure services is your total solution

microsoft azure made easy a beginner s roadmap is your comprehensive guide to mastering the fundamentals of microsoft azure and building a strong foundation in cloud computing whether you re a student it professional or aspiring cloud engineer this book will take you from cloud novice to confident practitioner inside this book you ll discover clear explanations complex cloud concepts are broken down into easy to understand language ensuring you grasp the core principles hands on examples practical tutorials and step by step instructions guide you through creating azure accounts deploying virtual machines building web applications and more essential azure services explore the wide range of azure services including compute storage networking databases and security and learn how to leverage them effectively advanced topics delve into infrastructure as code continuous integration deployment and governance to take your azure skills to the next level real world scenarios discover how azure is

used in various industries and gain insights into best practices for cloud solutions this book will teach you how to understand the benefits and core concepts of cloud computing navigate the azure portal and marketplace create and manage virtual machines web applications and serverless functions utilize azure storage services for various data types set up virtual networks load balancers and content delivery networks work with azure sql database cosmos db and other database options implement identity management and robust security measures monitor your azure resources and optimize costs explore advanced azure capabilities like machine learning and iot who this book is for students and beginners new to cloud computing it professionals looking to expand their skill set aspiring cloud engineers seeking a solid foundation in azure anyone interested in leveraging the power of microsoft azure for their projects or career master microsoft azure with this beginner friendly roadmap and unlock the limitless possibilities of the cloud

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

a step by step guide to implementing continuous integration and continuous delivery for mobile hybrid and applications key featuresÊ this book covers all these practices that can be utilized in real life scenarios with sample applications written in java android ios node js angular ionic cordova xamarin python and php Ê this book provides detailed insight into microsoft azure cloud especially platform as a service model azure app services Ê this book

utilizes the multi stage pipeline feature of azure devops step by step implementation of continuous practices of devops makes it easy to understand even for beginners of devops practices descriptionÊ this book will cover an approach that includes the understanding of devops assessment of as is state devops practices implementation and measurement of success the main objective is to demonstrate continuous practices of devops culture using microsoft azure devops and microsoft azure cloud across different types of applications such as mobile apps hybrid mobile app and applications the main idea is to have a uniform approach across different types of applications such as mobile apps hybrid mobile app and applications it is important to have a uniform approach of devops practices implementation in an application written in different programming languages such as java android ios node js angular ionic cordova xamarin python and php what will you learnÊÊ learn to create a multi stage cicd pipeline for sample applications configure unit test execution and code coverage reports in azure devops for sample applications create and configure cloud resources using platform as a service model azure app services for applications and deploy applications to azure app services using pipeline understand how to distribute mobile app packages apk and ipa to app center who this book is forÊÊ this book is suitable for devops consultants devops evangelists devops engineers technical specialists technical architects cloud experts and beginners Ê table of contentsÊÊ 1 overview of devops practices 2 devops assessment Ð measure the Òas isÓ maturity 3 devops practices implementation for android app Ð azure devops pipelines 4 devops practices implementation for ios app Ð azure devops pipelines 5 devops practices implementation for native apps using app center 6 devops practices implementation for java app Ð azure devops pipelinesÊ 7 devops practices implementation for node js apps Ð azure devops pipelines 8 devops practices implementation for angular app Ð azure devops pipelines 9 devops practices implementation for python and phpÊ Ð azure devops pipelines 10 devops practices implementation for hybrid mobile app ionic and xamarin Ð azure devops pipeline 11 azure devops best practices 12 measure benefits of

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teach yourself how to build and host scalable applications in the cloud using windows azure one step at a time ideal for developers with prior microsoft net programming experience this tutorial provides practical learn by doing exercises for working with the core services and features of the windows azure platform

cloud computing has been a buzzword in the it industry for some time and there are several cloud providers on the market microsoft azure is microsoft s cloud offering microsoft azure has evolved very quickly over the last few years and now offers a comprehensive set of services including infrastructure as a service iaas in this book we will start by explaining what is meant by some cloud terminology we will take a look at how we can deploy both windows linux based virtual machines in azure we will take a look at how to set up a virtual network so that our cloud based resources can communicate with each other much like an on premises server our cloud based servers will need to be monitored for any potential issues and we will take a look at how we can design cloud systems that are both highly available and fault tolerant

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