

Mastering Microsoft Azure Infrastructure Services

Xiang Xie

Mastering Microsoft Azure Infrastructure Services:

Mastering Microsoft Azure Infrastructure Services John Savill, 2015-04-20 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 Infrastructure Services for Architects** John Savill,2019-10-01 An expert guide for IT administrators needing to create and manage a public cloud and virtual network using Microsoft Azure With Microsoft Azure challenging Amazon Web Services AWS for market share there has been no better time for IT professionals to broaden and expand their knowledge of Microsoft's flagship virtualization and cloud computing service Microsoft Azure Infrastructure Services for Architects Designing Cloud Solutions helps readers develop the skills required to understand the capabilities of Microsoft Azure for Infrastructure Services and implement a public cloud to achieve full virtualization of data both on and off premise Microsoft Azure provides granular control in choosing core infrastructure components enabling IT administrators to deploy new Windows Server and Linux virtual machines adjust usage as requirements change and scale to meet the infrastructure needs of their entire organization This accurate authoritative book covers topics including IaaS cost and options customizing VM storage enabling external connectivity to Azure virtual machines extending Azure Active Directory replicating and backing up to Azure disaster recovery and much more New users and experienced professionals alike will Get expert guidance on understanding evaluating deploying and maintaining Microsoft Azure environments from Microsoft MVP and technical specialist John Savill Develop the skills to set up cloud based virtual machines deploy web servers configure hosted data stores and use other key Azure technologies Understand how to design and implement serverless and hybrid solutions Learn to use enterprise security guidelines for Azure deployment Offering the most up to date information and practical advice Microsoft Azure Infrastructure Services for Architects Designing Cloud Solutions is an essential resource for IT administrators consultants and engineers responsible for learning designing implementing managing and maintaining Microsoft virtualization and cloud technologies

Encyclopedia of Organizational Knowledge, Administration, and Technology Khosrow-Pour D.B.A., Mehdi, 2020-09-29 For any organization to be successful it must operate in such a manner that knowledge and information human resources and technology are continually taken into consideration and managed effectively Business concepts are always present regardless of the field or industry in education government healthcare not for profit engineering hospitality tourism among others Maintaining organizational awareness and a strategic frame of mind is critical to meeting goals gaining competitive advantage and ultimately ensuring sustainability The Encyclopedia of Organizational Knowledge Administration and Technology is an inaugural five volume publication that offers 193 completely new and previously unpublished articles authored by leading experts on the latest concepts issues challenges innovations and opportunities covering all aspects of modern organizations Moreover it is comprised of content that highlights major breakthroughs discoveries and authoritative research results as they pertain to all aspects of organizational growth and development including methodologies that can help companies thrive and analytical tools that assess an organization s internal health and performance Insights are offered in key topics such as organizational structure strategic leadership information technology management and business analytics among others The knowledge compiled in this publication is designed for entrepreneurs managers executives investors economic analysts computer engineers software programmers human resource departments and other industry professionals seeking to understand the latest tools to emerge from this field and who are looking to incorporate them in their practice Additionally academicians researchers and students in fields that include but are not limited to business management science organizational development entrepreneurship sociology corporate psychology computer science and information technology will benefit from the research compiled within this publication **Encyclopedia of Information** Science and Technology, Fourth Edition Khosrow-Pour, D.B.A., Mehdi, 2017-06-20 In recent years our world has experienced a profound shift and progression in available computing and knowledge sharing innovations These emerging advancements have developed at a rapid pace disseminating into and affecting numerous aspects of contemporary society This has created a pivotal need for an innovative compendium encompassing the latest trends concepts and issues surrounding this relevant discipline area During the past 15 years the Encyclopedia of Information Science and Technology has become recognized as one of the landmark sources of the latest knowledge and discoveries in this discipline The Encyclopedia of Information Science and Technology Fourth Edition is a 10 volume set which includes 705 original and previously unpublished research articles covering a full range of perspectives applications and techniques contributed by thousands of experts and researchers from around the globe This authoritative encyclopedia is an all encompassing well established reference source that is ideally designed to disseminate the most forward thinking and diverse research findings With critical perspectives on the impact of information science management and new technologies in modern settings including but not limited to computer science education healthcare government engineering business and natural and

physical sciences it is a pivotal and relevant source of knowledge that will benefit every professional within the field of information science and technology and is an invaluable addition to every academic and corporate library Methodologies and Technologies in Network Architecture, Mobile Computing, and Data Analytics Khosrow-Pour, D.B.A., Mehdi, 2018-10-19 From cloud computing to data analytics society stores vast supplies of information through wireless networks and mobile computing As organizations are becoming increasingly more wireless ensuring the security and seamless function of electronic gadgets while creating a strong network is imperative Advanced Methodologies and Technologies in Network Architecture Mobile Computing and Data Analytics highlights the challenges associated with creating a strong network architecture in a perpetually online society Readers will learn various methods in building a seamless mobile computing option and the most effective means of analyzing big data This book is an important resource for information technology professionals software developers data analysts graduate level students researchers computer engineers and IT specialists seeking modern information on emerging methods in data mining information technology and Mastering Windows Server 2016 Hyper-V John Savill, 2016-12-19 Build a seamless flexible full wireless networks service datacenter solution Microsoft Windows Server 2016 Hyper V is the IT administrator's guide to this rising datacenter solution Hyper V has already surpassed VMWare in datacenter management identity service for multiple devices and more this book shows you how to harness the power of this hypervisor to simplify the infrastructure reduce costs improve productivity and better manage system resources From a tour of the technology through architecture deployment and integration of System Center Microsoft Azure and Microsoft Azure Stack the discussion illustrates the skills you need to create a complete solution for optimum enterprise management Coverage includes Windows Azure capabilities for virtual machines managing a hybrid cloud IaaS storage capabilities PowerShell and more with practical real world guidance from a leading authority in the field Hyper V has recently undergone improvements in scalability and features that have positioned it as an ideal solution in the Small Medium Business and Enterprise markets This book shows you how to exploit these new capabilities to build a robust data solution for your organization Discover the capabilities of Microsoft Hyper V Architect a Hyper V datacenter solution Plan and manage a deployment or migration Integrate complementary technologies for full scalability Data is everywhere on desktops laptops phones and multiple operating systems accessed through email text messages web searches online services and more All of this data must be stored accessible updated backed up secured managed sorted and analyzed sometimes instantly Hyper V is the rising star in the virtualization space and Microsoft Windows Server 2016 Hyper V shows you how to turn greater capabilities into better datacenter solutions Mastering **Azure** Edwin Cano, 2024-11-30 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 **Exam Prep for Mastering Microsoft Azure Infrastructure ...** Just the Facts101,2019-08-18 Your text beyond simplified as the essential facts to prepare you for your exams Over 2 000 higly probable test items **Mastering System** Center 2012 Operations Manager Bob Cornelissen, 2012-11-06 An essential guide on the latest version of Microsoft s server management tool Microsoft's powerful Mastering System Center 2012 Operations Manager introduces many exciting new and enhanced feature sets that allow for large scale management of mission critical servers This comprehensive guide provides invaluable coverage to help organizations monitor their environments across computers network and storage infrastructures while maintaining efficient and effective service levels across their applications Provides intermediate and advanced coverage of all aspects of Systems Center 2012 Operations Manager including designing planning deploying managing maintaining and scripting Operations Manager Offers a hands on approach by providing many real world scenarios to show you how to use the tool in various contexts Anchors conceptual explanations in practical application Mastering System Center 2012 Operations Manager clearly shows you how this powerful server management tool can best be used to serve your organization s needs Automating Microsoft Azure Infrastructure Services Michael Washam, 2014-10-21 Get valuable tips and techniques for automating your cloud deployments with Azure PowerShell cmdlets and learn how to provision Azure services on the fly In this hands on guide Microsoft cloud technology expert Michael Washam shows you how to automate various management tasks and deploy solutions that are both complex and at scale By combining the native

automation capabilities of PowerShell with Azure Infrastructure Services these powerful cmdlets enable you to create and configure virtual machines with ease You ll learn how to take advantage of these technologies to build complete virtual networks If you have experience with PowerShell and Azure you re ready to get started Install and authenticate cmdlets to set up your environment Create and update virtual machines with Azure platform images Manage network endpoints access control lists and IP addresses Use cmdlets to manage and configure virtual machine storage Automate Azure virtual networks with hybrid technologies such as site to site point to site and ExpressRoute Dive into advanced virtual machine provisioning capabilities and management techniques Learn tips and tricks for deleting or moving virtual machines within or out of your 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 quide 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 Mastering Azure Security Mustafa Toroman, Tom Janetscheck, 2022-04-28 Get to grips with artificial intelligence and cybersecurity techniques to respond to adversaries and incidents Key FeaturesLearn how to secure your Azure cloud workloads across applications and networksProtect your Azure infrastructure

from cyber attacksDiscover tips and techniques for implementing deploying and maintaining secure cloud services using best practicesBook Description Security is integrated into every cloud but this makes users put their guard down as they take cloud security for granted Although the cloud provides higher security keeping their resources secure is one of the biggest challenges many organizations face as threats are constantly evolving Microsoft Azure offers a shared responsibility model that can address any challenge with the right approach Revised to cover product updates up to early 2022 this book will help you explore a variety of services and features from Microsoft Azure that can help you overcome challenges in cloud security You ll start by learning the most important security concepts in Azure their implementation and then advance to understanding how to keep resources secure The book will guide you through the tools available for monitoring Azure security and enforcing security and governance the right way You ll also explore tools to detect threats before they can do any real damage and those that use machine learning and AI to analyze your security logs and detect anomalies By the end of this cloud security book you ll have understood cybersecurity in the cloud and be able to design secure solutions in Microsoft Azure What you will learnBecome well versed with cloud security conceptsGet the hang of managing cloud identities Understand the zero trust approach Adopt the Azure security cloud infrastructure Protect and encrypt your dataGrasp Azure network security conceptsDiscover how to keep cloud resources secureImplement cloud governance with security policies and rulesWho this book is for This book is for Azure cloud professionals Azure architects and security professionals looking to implement secure cloud services using Azure Security Centre and other Azure security features A solid understanding of fundamental security concepts and prior exposure to the Azure cloud will help you understand the key concepts covered in the book more effectively Mastering Windows Server 2022 with Azure Cloud Services IaaS, PaaS, and SaaS William Panek, 2023 Extend your on premises Windows Server deployments to the cloud with Azure In Mastering Windows Server 2022 with Azure Cloud Services IaaS PaaS and SaaS 5 time Microsoft MVP Winner William Panek delivers a comprehensive and practical blueprint for planning implementing and managing environments that include Azure IaaS hosted Windows Server based workloads You ll learn to use the expansive hybrid capabilities of Azure how to migrate virtual and physical server workloads to Azure IaaS PaaS and SaaS and how to manage and secure Azure virtual machines running Windows Server 2022 This book also offers Foundational explanations of core Azure capabilities including Infrastructure as a Service IaaS Platform as a Service PaaS and Software as a Service SaaS Explorations of the tools you ll need to implement Azure solutions including Windows Admin Center and PowerShell Examples of implementing identity in Hybrid scenarios including Azure AD DS on Azure IaaS and managed AD DS Perfect for IT professionals who manage on premises Windows Server environments seek to use Azure to manage server workloads and want to secure virtual machines running on Windows Server 2022 Mastering Windows Server 2022 with Azure Cloud Services IaaS PaaS and SaaS is also a must read resource for anyone involved in administering or operating Microsoft Azure IaaS workloads Amazon com

Mastering Microsoft Azure Thomas T Haws, 2025-06-09 Cloud computing is no longer optional it s the backbone of modern business innovation and IT careers Mastering Microsoft Azure is your all in one blueprint for gaining the practical skills strategic insight and professional credentials needed to thrive in the cloud era Whether you re new to cloud computing or looking to sharpen your Azure expertise this book delivers real value through hands on instruction and practical examples You won t just read about cloud concepts you ll build actual solutions automate tasks secure environments and integrate cutting edge AI tools using Microsoft Azure s powerful suite of services What You ll Learn Inside Core Azure Concepts Made Simple Clear beginner friendly explanations of essential cloud services compute networking storage security and more presented in a way that connects theory to practice Hands On Labs and Real World Projects Go beyond the basics with quided exercises and full scale 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staying ahead in a fast moving digital world Written in a clear and engaging style Mastering Microsoft Azure blends technical depth with practical clarity You ll come away with not only a strong foundation in cloud architecture but also the ability to think critically build confidently and contribute meaningfully to cloud projects at any scale Start mastering Azure today your future in cloud computing begins Automating Microsoft Azure Infrastructure Services Michael Washam, 2014 Get valuable tips and techniques for here automating your cloud deployments with Azure PowerShell cmdlets and learn how to provision Azure services on the fly In this hands on guide Microsoft cloud technology expert Michael Washam shows you how to automate various management tasks and deploy solutions that are both complex and at scale By combining the native automation capabilities of PowerShell with Azure Infrastructure Services these powerful cmdlets enable you to create and configure virtual machines with ease You ll learn how to take advantage of these technologies to build complete vi **Mastering Microsoft Azure Fundamentals** AZ-900 Exam Prep Jakub Osowski, 2025-05-11 Master Microsoft Azure and Pass the AZ 900 Exam with Confidence This comprehensive guide to Microsoft Azure Fundamentals AZ 900 provides a clear beginner friendly introduction to cloud computing and Azure services Designed for those new to Azure this book covers key concepts pricing security compliance and core services everything you need to understand cloud fundamentals and pass the AZ 900 certification exam Inside you ll find Easy to follow explanations of cloud computing and Azure services Exam focused content with key takeaways for every topic Real world examples to reinforce learning Practice questions to test your knowledge Updated content aligned with the latest AZ 900 exam objectives Whether you re an IT professional student or business user this book is your ultimate study guide to mastering Azure and earning your certification Start your cloud journey today **Ultimate Azure IaaS for** Infrastructure Management Dean Cefola, 2024-05-30 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 Manish Soni, 2024-11-13 Designing Microsoft Azure Infrastructure Solution AZ 305 is a comprehensive guide designed to equip IT professionals with the knowledge and skills required to design scalable secure and resilient infrastructure solutions on Microsoft Azure This certification validates expertise in Azure architecture covering critical domains such as identity and

security business continuity strategies data platform solutions and infrastructure deployment With organizations increasingly adopting cloud computing mastering the design principles and best practices of Azure infrastructure has become essential for solution architects and IT strategists This book serves as a structured learning resource offering a balanced combination of theoretical foundations and practical applications to ensure a deep understanding of Azure infrastructure solutionBeyond exam preparation Microsoft Certification AZ 305 Designing Microsoft Azure Infrastructure Solutions is a valuable reference for professionals seeking to enhance their ability to design and implement robust cloud architectures Each chapter builds upon key concepts through real world case studies self assessment exercises and hands on scenarios enabling readers to apply their knowledge effectively Additional resources such as online test papers and video tutorials complement the learning experience providing a holistic approach to mastering Azure architecture Whether you are an aspiring Azure Solution Architect or an experienced IT professional aiming to validate your expertise this book serves as an indispensable guide to navigating the complexities of Azure infrastructure design and advancing your career in cloud computing Integration Guide for Business Joshua Garverick, Jack Lee, Mélony Qin, Trevoir Williams, 2023-09-28 Leverage the cloud to optimize costs improve security and seamlessly scale your business operations Key Features Achieve your operational goals with Azure infrastructure Optimize costs with serverless event driven solutions through Azure cloud patterns Boost productivity with Azure architecture s flexibility and scalability Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionAzure Integration Guide for Business is essential for decision makers planning to transform their business with Microsoft Azure The Microsoft Azure cloud platform can improve the availability scalability and cost efficiency of any business The guidance in this book will help decision makers gain valuable insights into proactively managing their applications and infrastructure You ll learn to apply best practices in Azure Virtual Network and Azure Storage design ensuring an efficient and secure cloud infrastructure You ll also discover how to automate Azure through Infrastructure as Code IaC and leverage various Azure services to support OLTP applications Next you ll explore how to implement Azure offerings for event driven architectural solutions and serverless applications Additionally you ll gain in depth knowledge on how to develop an automated secure and scalable solutions Core elements of the Azure ecosystem will be discussed in the final chapters of the book such as big data solutions cost governance and best practices to help you optimize your business By the end of this book you ll understand what a well architected Azure solution looks like and how to lead your organization toward a tailored Azure solution that meets your business needs What you will learn Optimize the performance and costs with Azure Select an effective scalable and flexible solution that aligns with your needs Harness the power of containers to drive your application development and deployment Create big data solutions with the best Azure tools platforms and resources Explore the benefits of automation for enhanced productivity Improve the availability and effectiveness of monitoring with Azure Who this book is for This book is for business decision makers looking to benefit from the flexibility

scalability and optimized costs offered by Microsoft Azure to scale their businesses Basic knowledge of Azure is recommended to get the most out of this book Implementing Microsoft Azure Infrastructure Solutions Melony Qin,2018-08-31 Develop skills and knowledge for provisioning and managing services in Microsoft Azure and implement infrastructure components Key Features Build and manage robust infrastructure solutions on Microsoft Azure Plan and implement Azure storage backup and recovery services Prepare and boost your confidence with certification based mock tests and solutions Book Description Microsoft Azure is a prominent public cloud provider recording the highest user base growth in the year 2017 Microsoft has prominent certifications that help architects developers and administrators gain hands on knowledge while working on Azure 70 533 is one such advanced level certification which deals with infrastructure solutions on Microsoft Azure Implementing Microsoft Azure Infrastructure Solutions starts with an overview of the certification and an introduction to Microsoft Azure Next you will learn how to plan and implement virtual machines and containers followed by designing and implementing service apps As you make your way through the chapters you will learn how to implement and manage virtual networks and Azure identities as well as the Active Directory infrastructure in a hybrid environment In the concluding chapters you will learn how to plan and implement storage and security and business continuity and disaster recovery BCDR strategies You will also automate and monitor cloud management operations in Azure By the end of the book you will have covered all of the modules along with the practice questions at the end of each chapter which will be extremely helpful in passing the 70 533 certification exam What you will learn Explore cloud basics and gain an overview of Microsoft Azure Plan and implement virtual machines and containers for scalability and resilience Understand virtual networks cross premises connectivity Learn how to manage your Azure identities Plan and implement storage security and the BCDR strategy Automate and monitor cloud management operations in Azure Manage app services for resilience and availability Interacting with Azure Services by using ARM the Azure CLI and PowerShell Who this book is for Implementing Microsoft Azure Infrastructure Solutions is for senior cloud professionals who already have experience working with the Azure ecosystem and want to take their knowledge to the next level Prior knowledge of the Azure ecosystem is necessary

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Mastering Microsoft Azure Infrastructure Services Introduction

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