
Microsoft Azure IaaS Essentials

Microsoft Azure Essentials - Fundamentals of Azure

Microsoft Azure Compute

Microsoft Azure

Programming Microsoft Azure Service Fabric

Hands-On Cloud Administration in Azure

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Microsoft Azure Essentials
- *Fundamentals of Azure*
Microsoft Press
Harness the power of
Microsoft Azure services
to build efficient cloud
solutions About This Book
Get to grips with the
features of Microsoft
Azure in terms of Blob,
Table, Queue, and File
storage Learn the how
and when of using the

right storage service for
different business use
cases Make use of Azure
storage services in
various languages with
this fast-paced and easy-
to-follow guide Who This
Book Is For If you are an
IT professional with basic
knowledge of Microsoft
Azure and want to learn
Azure storage services,
then this book is for you.
Some familiarity with C#
and Visual Studio is
needed in order to utilize
the examples present in

the book. What You Will
Learn/h2ulliGet familiar
with Windows Azure
Storage Service in terms
of architecture and
working/liliRecognize the
libraries and tools offered
by Azure storage,
supporting several
popular programming
languages/liliKnow how
the storage services
expose their resources as
REST APIs and what client
libraries exists to develop
against the
storage/liliGain the

understanding of types of Blobs and best ways to upload and retrieve them/liliLearn how to make use of Tables as a NoSQL data store and how to retrieve, insert, update and delete entities in terms of design patterns/liliUse Queue storage as a messaging solution for communications between different apps/liliCreate mounted shares and allow legacy systems to access data using the SMB protocol/liliGet accustomed to deal with faults, monitor storage

metrics and logs/li/ulh2In DetailpWith the many advantages of using cloud computing, Azure Storage is a robust platform that helps you shift faster to the cloud by providing scalable, durable and highly available data storage options. For developers, it provides a rapid development environment that supports building large-scale applications to support new scenarios on the cloud, server, mobile and web. For IT professionals, it reduces complexity of managing,

protecting and replicating data./ppThis book will make you familiar with the Azure storage in terms of architecture and components. It starts with the basics of storage accounts, which give access to the four basic services the Blob, Table, Queue, and File storage services. These services are exposed through a REST API that makes it possible for client libraries to implement most of their functionality in a wide range of popular programming languages. Emphasizing the Windows

Azure Client Library for .NET, we will deal with storing and retrieving unstructured data with Blobs, then will move to Tables to insert and update entities in a structured NoSQL fashion. Then we will discover Queues as a reliable messaging service, and after that we will show File storage that allows you to migrate legacy applications data to the cloud to end with transient fault handling and service monitoring.
/ph2Style and approach/h2pThis book is

a concise and fast-paced guide to learn about development for storage services. Each topic is elaborated sequentially, in order to create basic knowledge for using it in the right place and the correct way.

Microsoft Azure Compute Packt Publishing Ltd 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 Apress 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. *Programming Microsoft Azure Service Fabric* John Wiley & Sons Quickly preps technical and non-technical readers to pass the Microsoft

AZ-900 certification exam *Microsoft Certified Azure Fundamentals Study Guide: Exam AZ-900* is your complete resource for preparing for the AZ-900 exam. Microsoft Azure is a major component of Microsoft's cloud computing model, enabling organizations to host their applications and related services in Microsoft's data centers, eliminating the need for those organizations to purchase and manage their own computer hardware. In addition, serverless computing

enables organizations to quickly and easily deploy data services without the need for servers, operating systems, and supporting systems. This book is targeted at anyone who is seeking AZ-900 certification or simply wants to understand the fundamentals of Microsoft Azure. Whatever your role in business or education, you will benefit from an understanding of Microsoft Azure fundamentals. Readers will also get one year of FREE access to Sybex's

superior online interactive learning environment and test bank, including hundreds of questions, a practice exam, electronic flashcards, and a glossary of key terms. This book will help you master the following topics covered in the AZ-900 certification exam: Cloud concepts Cloud types (Public, Private, Hybrid) Azure service types (IaaS, SaaS, PaaS) Core Azure services Security, compliance, privacy, and trust Azure pricing levels Legacy and modern lifecycles Growth in the cloud market

continues to be very strong, and Microsoft is poised to see rapid and sustained growth in its cloud share. Written by a long-time Microsoft insider who helps customers move their workloads to and manage them in Azure on a daily basis, this book will help you break into the growing Azure space to take advantage of cloud technologies. [Hands-On Cloud Administration in Azure](#)
Packt Publishing Ltd
A practical guide that enhances your skills in

implementing Azure solutions for your organization About This Book Confidently configure, deploy, and manage cloud services and virtual machines Implement a highly-secured environment and respond to threats with increased visibility This comprehensive guide is packed with exciting practical scenarios that enable you to implement Azure solutions with ease Who This Book Is For This book is for IT architects, system and network admins, and DevOps

engineers who are aware of Azure solutions and want to implement them for their organization. What You Will Learn Implement virtual networks, network gateways, Site-to-Site VPN, ExpressRoute, routing, and network devices Understand the working of different storage accounts in Azure Plan, deploy, and secure virtual machines Deploy and manage Azure Containers Get familiar with some common Azure usage scenarios In Detail Microsoft Azure has

numerous effective solutions that shape the future of any business. However, the major challenge that architects and administrators face are implementing these solutions appropriately. Our book focuses on various implementation scenarios that will help overcome the challenge of implementing Azure's solutions in a very efficient manner and will also help you to prepare for Microsoft Architect exam. You will not only learn how to secure a newly deployed Azure

Active Directory but also get to know how Azure Active Directory Synchronization could be implemented. To maintain an isolated and secure environment so that you can run your virtual machines and applications, you will implement Azure networking services. Also to manage, access, and secure your confidential data, you will implement storage solutions. Toward the end, you will explore tips and tricks to secure your environment. By the end, you will be able to

implement Azure solutions such as networking, storage, and cloud effectively. Style and approach This step-by-step guide focuses on implementing various Azure solutions for your organization. The motive is to provide a comprehensive exposure and ensure they can implement these solutions with ease. [Microsoft Azure Storage Essentials](#) John Wiley & Sons Cloud computing—accessing computing resources over

the Internet—is rapidly changing the landscape of information technology. Its primary benefits compared to on-premise computing models are reduced costs and increased agility and scalability. Hence, cloud computing is receiving considerable interest among several stakeholders—businesses, the IT industry, application developers, researchers, and students. To successfully embrace this new computing model, these stakeholders need to

acquire new cloud computing skills and knowledge. This book is designed to provide readers with a clear and thorough understanding of the key aspects of cloud computing. Presented in an easy-to-understand style, *Essentials of Cloud Computing* begins with an introduction to basic cloud computing concepts. It then covers cloud computing architecture, deployment models, programming models, and cloud service types, such as Software as a Service

(SaaS) and Infrastructure as a Service (IaaS). It also discusses the cloud's networking aspects, major service providers, open source support, and security issues. The book concludes with a discussion of several advanced topics, such as mobile clouds, media clouds, and green clouds. This book is intended for beginners as well as experienced practitioners who want to learn more about cloud computing. It includes many case studies, programming examples, and industry-

based applications. Each chapter concludes with review questions that help readers check their understanding of the presented topics. *Essentials of Cloud Computing* will help readers understand the issues and challenges of cloud computing and will give them the tools needed to develop and deploy applications in clouds. *Cloud Essentials* Packt Publishing Ltd Azure is a cloud computing platform and an online portal that

allows you to access and manage cloud services and resources provided by Microsoft. The Azure cloud platform is more than 200 products and cloud services designed to help you bring new solutions to life—to solve today's challenges and create the future. Build, run, and manage applications across multiple clouds, on-premises, and at the edge, with the tools and frameworks of your choice.

Automating Microsoft Azure Infrastructure Services John Wiley &

Sons
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 Microsoft Azure Infrastructure Services](#)

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Microsoft Azure Essentials

from Microsoft Press is a

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skills with Microsoft Azure.

The first ebook in the

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of Azure, introduces

developers and IT

professionals to the wide

range of capabilities in

Azure. The authors - both

Microsoft MVPs in Azure -

present both conceptual

and how-to content for key areas, including: Azure Websites and Azure Cloud Services Azure Virtual Machines Azure Storage Azure Virtual Networks Databases Azure Active Directory Management tools Business scenarios Watch Microsoft Press's blog and Twitter (@MicrosoftPress) to learn about other free ebooks in the "Microsoft Azure Essentials" series.

Microsoft Azure For Dummies Packt Publishing Ltd
Azure. Invent with purpose. Turn ideas into

solutions with more than 100 services to build, deploy, and manage applications-in the cloud, on-premises, and at the edge-using the tools and frameworks of your choice.

IaaS Mastery: Infrastructure As A Service CRC Press
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 subscription
Microsoft Azure IaaS Essentials "O'Reilly Media, Inc."
 Microsoft Azure IaaS Essentials Packt Publishing Ltd
[Azure](#) Packt Publishing Ltd
 This book is written for Windows professionals who are familiar with PowerShell and want to learn to build, operate, and administer their Windows workloads in the Microsoft cloud. Pro

PowerShell for Microsoft Azure is packed with practical examples and scripts, with easy-to-follow explanations for a wide range of day-to-day needs and essential administration tasks. Author Sherif Talaat begins by explaining the fundamental concepts behind the Microsoft Azure platform and how to get started configuring it through PowerShell. Readers will find out how to deploy, configure and manage the various components of the Azure platform, from storage

and virtual networks to Azure Web Sites, HDInsight clusters and the Azure SQL Database. Workload automation, scheduling and resource management are covered in depth to help build efficiency in everyday tasks, and administrators will gain full control over Azure identity and access rights using Azure Active Directory and Rights Management Services. Put your PowerShell skills to good use and ensure that your applications and data are available anywhere at any time,

with Pro PowerShell for Microsoft Azure. What You'll Learn Create and manage virtual networks and VPNs using PowerShell. Configure and maintain Azure Storage accounts, blobs, and containers. Provision and manage a redundant Windows or Linux server. Deploy and configure your sites in the cloud using Microsoft Azure Web Sites. Provision Apache Hadoop clusters in the cloud using Azure HDInsight. Deploy, configure and manage a Microsoft Azure SQL

Database. Protect and secure identities and resources with Azure Active Directory and Azure Rights Management Services. Who This Book Is For This is book is for the intermediate to advanced Windows professional who is ready to make the leap to the cloud.

[Microsoft Azure Essentials Migrating SQL Server Databases to Azure](#)
Apress

Develop expertise in Azure to plan, guide, and lead a streamlined modernization process

Key Features Explore core Azure infrastructure technologies and solutions Achieve smooth app migration and modernization goals with cloud design Master Azure architecture and adopt it to scale your business globally Purchase of the print or Kindle book includes a free PDF eBook Book Description Azure for Decision Makers provides a comprehensive overview of the latest updates in cloud security, hybrid cloud and multi-cloud solutions, and cloud migration in Azure. This

book is a must-have introduction to the Microsoft Azure cloud platform, demonstrating the substantial scope of digital transformation and innovation that can be achieved with Azure's capabilities. The first set of chapters will get you up to speed with Microsoft Azure's evolution before showing you how to integrate it into your existing IT infrastructure. Next, you'll gain practical insights into application migration and modernization, focusing mainly on migration

planning, implementation, and best practices. Throughout the book, you'll get the information you need to spearhead a smooth migration and modernization process, detailing Azure infrastructure as a service (IaaS) deployment, infrastructure management, and key application architectures. The concluding chapters will help you to identify and incorporate best practices for cost optimization and management, Azure DevOps, and Azure

automation. By the end of this book, you'll have learned how to lead end-to-end Azure operations for your organization and effectively cost-optimize your processes – from the planning and cloud migration stage through to troubleshooting. What you will learn Find out how to optimize business costs with Azure Strategize the migration of applications to the cloud with Azure Smooth out the deployment and running of Azure infrastructure services Effectively define roles,

responsibilities, and governance frameworks in DevOps Maximize the utility of Azure security fundamentals and best practices Adopt best practices to make the most of your Azure deployment Who this book is for Azure for Decision Makers is for business and IT decision makers who want to choose the right technology solutions for their businesses and optimize their management processes. It'll help you develop expertise in operating and

administering the Azure cloud. This book will also be useful for CIOs and CTOs looking to understand more about how IT can make their business infrastructure more efficient and easier to use, which will reduce friction within their organization. Knowledge of Azure is helpful, but not necessary to get the most out of this guide. [Azure Strategy and Implementation Guide](#) Packt Publishing Ltd 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 Azure For Dummies Microsoft Press Design and build the new desktop service from Microsoft. This book offers a modern framework, design methodology, and best practices of design and deployment for virtual apps and desktops. Microsoft Azure Virtual Desktop (AVD) is a Desktop as a Service

(DaaS) which is simple to deploy, accessible from any device, easy to manage, and secure. The book starts with AVD essentials and its critical features, followed by the planning and method of preparing for AVD. You will go through defining the requirements and assessing by setting the AVD application baseline, network requirements, and security requirements. Next, you will learn how to design and deploy the core infrastructure of Microsoft AVD to understand its

Access Layer, Control Layer, Resource Layer, Hosting Layer, and User Layer. You will also learn how to design the desktop and Host Pool of AVD. And you will learn the modern way to manage and secure AVD components. After reading this book, you will have the right blend of knowledge and skills to set up and run the Azure cloud-based virtual desktop and virtual applications. What You Will Learn Understand the key design and deployment essentials of AVD Plan, gather

requirements, and assess
for AVD Design and
deploy Core Infrastructure
of Microsoft AVD Integrate
with profile and
personalization
management Monitor and
secure Azure virtual
desktops Who Is This Book
For: AVD system
administrators and AVD
system architects
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The Only Book That's
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Maximizing the Business
Value of SharePoint 2013
Essential SharePoint®

2013 approaches
Microsoft SharePoint 2013
from a strict business
value perspective, helping
you plan and implement
solutions that achieve
effective business results.
Leading SharePoint
experts draw on their
unsurpassed experience
to provide business-
focused guidance on
strategy, governance,
planning, deployment,
and more. You'll find in-
depth insights for success
with collaboration,
knowledge and content
management,
governance, and user

adoption. The authors
help you choose features,
organize information,
define security models,
and launch your solution.
They present best
practices for search,
workflow, business
intelligence, and
integrating information
from Office 2013 and
beyond. Each chapter
includes a section
introducing new
SharePoint 2013
capabilities, from
improved site branding to
native iPhone mobile
apps. Throughout, the
authors identify success

factors, intangibles, and “gotchas,” helping you reduce risk and time-to-value. Learn how to

- Ask the right questions to craft a plan that maximizes business value
- Efficiently deploy either “green field” solutions or upgrades
- Integrate web, Office, and mobile devices into a comprehensive collaboration solution
- Plan effective governance of content, operations, and applications
- Deliver enterprise content management, integrating documents, data, web content, and rich media

Use search to help find the right knowledge and people

- Measure and optimize user adoption to increase ROI
- Evaluate the cloud-based SharePoint Online option
- Use social tools to promote deeper user interaction
- Collaborate and communicate with customers, partners, and suppliers
- Quickly create agile solutions with mashups and composites

Whether you’re a business leader, IT manager, architect, analyst, developer, or consultant, this book will

help you tightly align SharePoint projects with business strategy to deliver outstanding results.

Design and Deploy Microsoft Azure Virtual Desktop

Microsoft Press
Unlock the Power of Cloud Infrastructure with "IaaS Mastery" Book Bundle!

Are you ready to conquer the dynamic world of cloud infrastructure? Look no further than the "IaaS Mastery: Infrastructure as a Service" book bundle, your comprehensive guide to mastering cloud technology with a focus

on the industry's leading providers. Discover What's Inside: Book 1 - IaaS Fundamentals: A Beginner's Guide to Cloud Infrastructure Begin your journey with a solid foundation. Learn the essentials of cloud computing and understand the core principles of Infrastructure as a Service. Perfect for newcomers and those seeking a refresher on cloud basics. Book 2 - Mastering IaaS: Building Scalable Cloud Solutions with AWS and GCE Dive into practical applications

with Amazon Web Services (AWS) and Google Cloud Engine (GCE). Gain hands-on experience in creating scalable and resilient cloud solutions using these renowned platforms. Book 3 - Advanced IaaS Architectures: Optimizing Microsoft Azure for Enterprises Elevate your expertise with a deep dive into Microsoft Azure. Explore advanced topics such as high-performance networks, scalable compute solutions, security measures, and

automation tailored for enterprise workloads. Book 4 - IaaS Expertise: Harnessing the Power of IBM Cloud for Enterprise Solutions Unleash the potential of IBM Cloud as a tool for enterprise transformation. Discover infrastructure offerings, networking strategies, security features, and advanced automation capabilities. Real-world enterprise success stories provide valuable insights. Why Choose "IaaS Mastery"? - Comprehensive Coverage: From beginner to expert,

this bundle covers everything you need to know about IaaS. - Hands-On Experience: Practical examples and real-world scenarios ensure you're ready to apply your knowledge. - Top Cloud Providers: Learn from the best-AWS, GCE, Microsoft Azure, and IBM Cloud. - Enterprise Focus: Equip yourself with skills tailored for the demands of large organizations. - Future-Proof Your Career: Cloud technology is the future; stay ahead of the curve with this invaluable resource. Don't miss this

opportunity to become an IaaS expert. Whether you're an IT professional, aspiring cloud enthusiast, or business leader, "IaaS Mastery" empowers you with the knowledge and skills to succeed in the digital age. Purchase the bundle today and embark on your journey to mastering cloud infrastructure!

Practical Microsoft Azure IaaS Apress
Over 50 recipes to drive IoT innovation with Microsoft Azure
About This Book Build secure and scalable IoT solutions

with Azure IoT platform
Learn techniques to build end to end IoT solutions leveraging the Azure IoT platform
Filled with practical recipes to help you increase connectivity and automation across IoT devices
Who This Book Is For
If you are an application developer and want to build robust and secure IoT solution for your organization using Azure IoT, then this book is for you.
What You Will Learn
Build IoT Solutions using Azure IoT & Services
Learn device configuration and

communication protocols
Understand IoT Suite and
Pre-configured solutions
Manage Secure Device
communications
Understand Device
management, alerts
Introduction with IoT
Analytics, reference IoT
Architectures Reference
Architectures from
Industry Pre-Configured
IoT Suite solutions In
Detail Microsoft's end-to-
end IoT platform is the
most complete IoT
offering, empowering
enterprises to build and
realize value from IoT
solutions efficiently. It is

important to develop
robust and reliable
solutions for your
organization to leverage
IoT services. This book
focuses on how to start
building custom solutions
using the IoT hub or the
preconfigured solution of
Azure IoT suite. As a
developer, you will be
taught how to connect
multiple devices to the
Azure IoT hub, develop,
manage the IoT hub
service and integrate the
hub with cloud. We will be
covering REST APIs along
with HTTP, MQTT and
AMQP protocols. It also

helps you learn Pre-
Configured IoT Suite
solution. Moving ahead
we will be covering topics
like:-Process device-to-
cloud messages and
cloud-to-device messages
using .Net-Direct methods
and device management-
Query Language, Azure
IoT SDK for .Net-Creating
and managing, Securing
IoT hub, IoT Suite and
many more. We will be
using windows 10 IoT
core, Visual Studio,
universal Windows
platform. At the end, we
will take you through IoT
analytics and provide a

demo of connecting real device with Azure IoT. Style and approach A set of exciting recipes of using Microsoft Azure IoT more effectively.

Microsoft Public Cloud Services John Wiley & Sons

Build, operate, and orchestrate scalable microservices applications in the cloud This book combines a comprehensive guide to success with Microsoft Azure Service Fabric and a practical catalog of design patterns and best practices for

microservices design, implementation, and operation. Haishi Bai brings together all the information you'll need to deliver scalable and reliable distributed microservices applications on Service Fabric. He thoroughly covers the crucial DevOps aspects of utilizing Service Fabric, reviews its interactions with key cloud-based services, and introduces essential service integration mechanisms such as messaging systems and reactive systems. Leading

Microsoft Azure expert Haishi Bai shows how to: Set up your Service Fabric development environment Program and deploy Service Fabric applications to a local or a cloud-based cluster Compare and use stateful services, stateless services, and the actor model Design Service Fabric applications to maximize availability, reliability, and scalability Improve management efficiency via scripting Configure network security and other advanced cluster settings

Collect diagnostic data, and use Azure Operational Management Suite to interpret it Integrate microservices components developed in parallel Use containers to mobilize applications for

failover, replication, scaling, and load balancing Streamline containerization with Docker in Linux and Windows environments Orchestrate containers to

schedule workloads and maintain services at desired states Implement proven design patterns for common cloud application workloads Balance throughput, latency, scalability, and cost

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