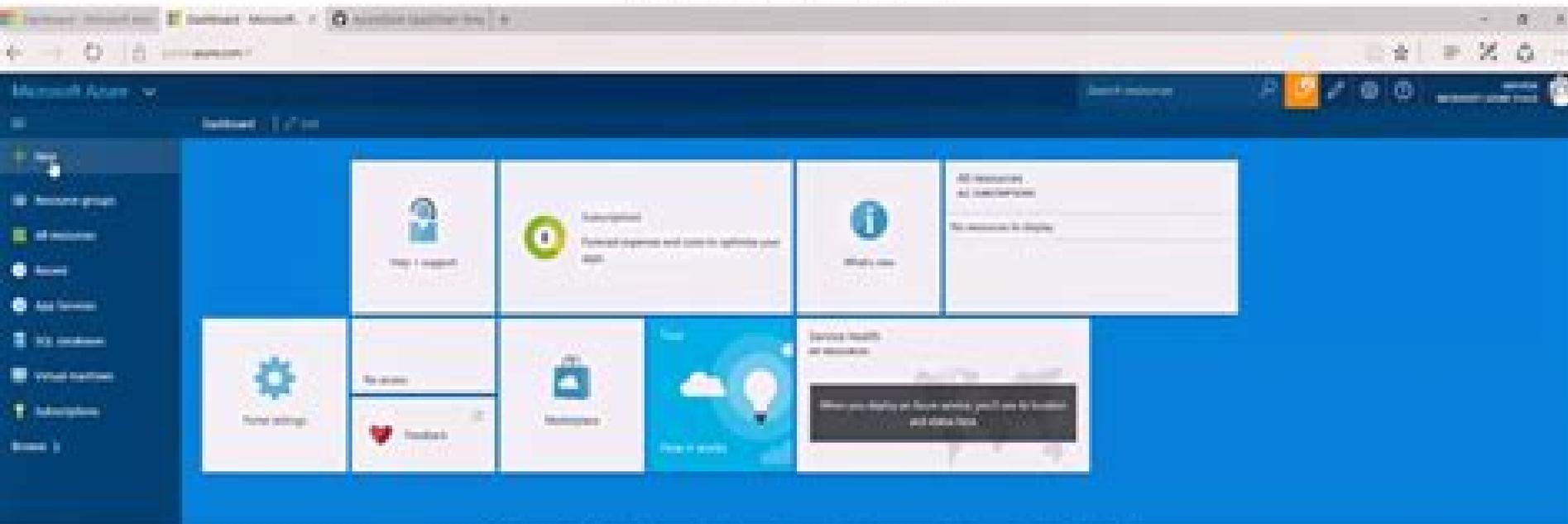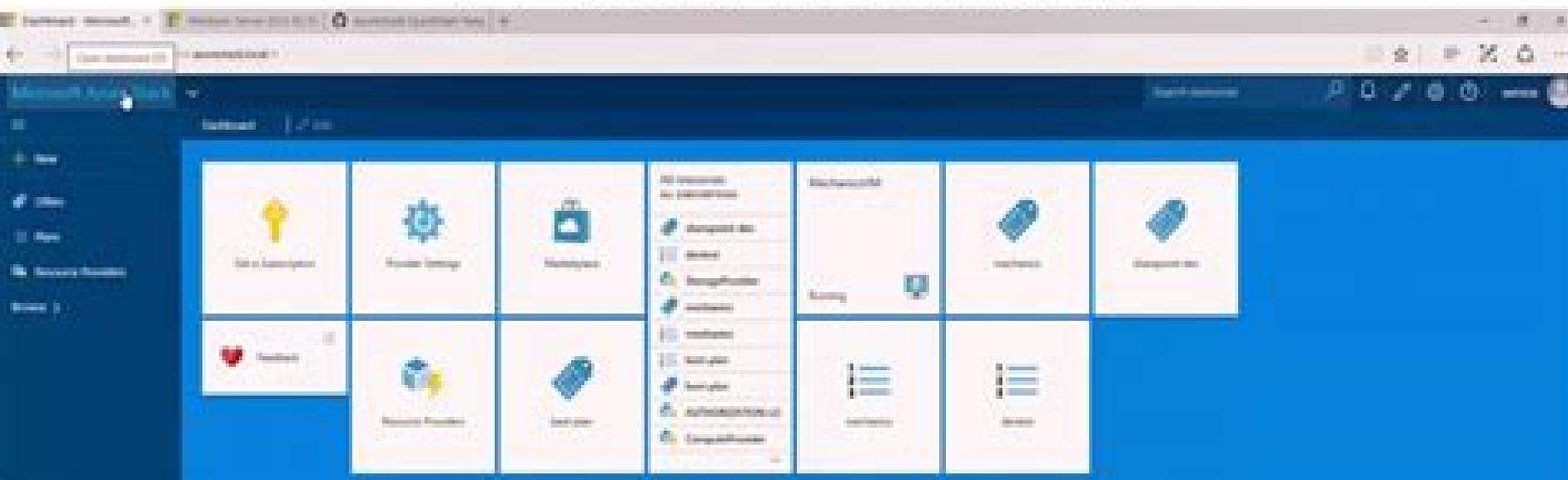# AZURE



# AZURE STACK

# Azure Stack Azure Microsoft

**Harsh Chawla,Hemant Kathuria**

**Azure Stack Azure Microsoft:**

    **Azure Stack Hub Demystified** Richard Young,2021-10-07 Deploy configure administer and run Microsoft Azure Stack Hub Key FeaturesUnderstand the topics required for the Microsoft Azure AZ 600 examConfigure and provide services from Microsoft Azure Stack HubImplement data center integration with Microsoft Azure Stack HubBook Description Azure Stack Hub is the on premise offering from Microsoft which provides Azure Cloud services within a customer s own data center It provides consistent processes between on site and the cloud allowing developers to test locally and deploy to the cloud in exactly the same manner Azure Stack Hub Demystified provides complete coverage of deploying configuring administrating and running Microsoft Azure Stack Hub efficiently Firstly you will learn how to deploy Azure Stack Hub within an organization As you progress you ll understand configuration and the different services provided by the platform The book also focuses on the underlying architecture and connectivity options for the modern data center Later you will understand various approaches to DevOps and their implementation and learn key topics for the AZ 600 exam By the end of this Azure book you will have a thorough understanding of Azure Stack Hub and the services that are provided by the platform along with the confidence and information you need to be able to pass the AZ 600 exam What you will learnUnderstand the architecture of Azure Stack HubGet up to speed with the management and administration of Azure Stack HubExplore how to administer virtual networking within your Azure StackBecome well versed in using the Azure Stack Hub support model and updating Azure Stack HubUnderstand how licensing and billing is done with Azure Stack HubDiscover the tools that can be used to implement security within Azure Stack HubFocus on how DevOps practices can be incorporated with Azure Stack HubWho this book is for If you are an Azure Administrator and Azure Stack Hub Operator who provides or is looking to provide cloud services to end users or customers within their own data center then this book is for you This book will also be beneficial to those who are preparing for Exam AZ 600 Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub    <u>Microsoft Hybrid Cloud Unleashed with Azure Stack and Azure</u> Kerrie Meyler,Steve Buchanan,Mark Scholman,Jakob Gottlieb Svendsen,Janaka Rangama,2017-11-21 Microsoft Hybrid Cloud Unleashed brings together comprehensive and practical insights into hybrid cloud technologies complete CloudOps and DevOps implementation strategies and detailed guidance for deploying Microsoft Azure Stack in your environment Written by five Microsoft Cloud and Datacenter Management MVPs this book is built on real world scenarios and the authors extraordinary hands on experiences as early adopters Step by step the authors help you integrate your optimal mix of private and public cloud with a unified management experience that lets you move workloads at will achieving unprecedented flexibility The authors also guide you through all aspects of building your own secure high performance hybrid cloud infrastructure You ll discover how Azure Stack enables you to run data centers with the same scalability redundancy and reliability as Microsoft s Azure data centers how to integrate Azure infrastructure and platform services with internal operations and how to manage crucial

external dependencies The book concludes with a deep dive into automating and customizing Azure Stack for maximum reliability productivity and cost savings Detailed information on how to Run a private hybrid cloud on your hardware in your data center using APIs and code identical to public Azure Apply ITIL and DevOps lifecycles to your hybrid cloud implementation Gain a deep understanding of Azure Stack architecture components and internals Install and configure Azure Stack and master the Azure Stack Portal Integrate and utilize infrastructure core and custom resource providers Effectively provision secure and manage tenants Manage monitor troubleshoot and back up Azure Stack with CloudOps Automate resource provisioning with PowerShell the Azure CLI templates and Azure Stack s API Write your own Azure Resource Manager templates Centrally automate cloud management and complex tasks connected to external systems Develop customized production ready Azure Stack marketplace items **Microsoft Azure Stack First Look** ,2017 Get started with the private cloud platform Microsoft Azure Stack This course offers system administrators a high level overview of features and deployment use cases <u>Building Hybrid Clouds with Azure Stack</u> Markus Klein,Susan Roesner,2017-08-28 Bring the power of Microsoft Azure Hybrid Cloud technology to your datacenter About This Book Build and deploy software defined infrastructures and deliver Azure based IaaS and Paas services in your datacenter Use Azure Stack to leverage your current infrastructure with Microsoft Hybrid Cloud and get the best of both worlds Unlock greater levels of performance and flexibility and save your organization money time and resources Who This Book Is For The book is for administrators and architects who are planning to implement or administer a hybrid cloud infrastructure using Microsoft Cloud Technology This book is ideal for those who are looking forward to implement and run a hybrid cloud infrastructure with PaaS SaaS and IaaS services What You Will Learn Gain a clear understanding of Azure Stack design Set up storage network and compute services in Azure Stack Implement and run a hybrid cloud infrastructure with PaaS SaaS and IaaS services Get an overview of the automation options in Azure Stack Integrate Azure public services such as multi factor authentication and Azure AD with Azure Stack Learn about the services available in the future In Detail Azure Stack is all about creating fewer gaps between on premise and public cloud application deployment Azure Stack is the next logical evolution of Microsoft Cloud Services to create a true Hybrid Cloud ready application This book provides an introduction to Microsoft Azure Stack and the Cloud First Approach Starting with an introduction to Microsoft Azure Stack Architecture the book will help you plan and deploy your Microsoft Azure Stack Next you will learn about the Network and Storage option in Microsoft Azure Stack and you ll create your own private cloud solution Finally you will understand how to integrate Public Cloud Services with Microsoft Azure Stack and extend it using the 3rd Party Resource Provider After reading the book you will have a good understanding of an end to end process for designing implementing offering and supporting cloud solutions for enterprises or service providers Style and approach This book is a practical guide to help you unlock a hybrid cloud stack using Azure Stack Using a straight forward and easy to implement approach this book guides you through the basic planning for a hybrid cloud stack describes

the infrastructure technologies Azure Stack is based on and explains how to deploy and administer an Azure Stack based infrastructure     SQL Server 2019 Revealed Bob Ward,2019-10-18 Get up to speed on the game changing developments in SQL Server 2019 No longer just a database engine SQL Server 2019 is cutting edge with support for machine learning ML big data analytics Linux containers Kubernetes Java and data virtualization to Azure This is not a book on traditional database administration for SQL Server It focuses on all that is new for one of the most successful modernized data platforms in the industry It is a book for data professionals who already know the fundamentals of SQL Server and want to up their game by building their skills in some of the hottest new areas in technology SQL Server 2019 Revealed begins with a look at the project s team goal to integrate the world of big data with SQL Server into a major product release The book then dives into the details of key new capabilities in SQL Server 2019 using a learn by example approach for Intelligent Performance security mission criticalavailability and features for the modern developer Also covered are enhancements to SQL Server 2019 for Linux and gain a comprehensive look at SQL Server using containers and Kubernetes clusters The book concludes by showing you how to virtualize your data access with Polybase to Oracle MongoDB Hadoop and Azure allowing you to reduce the need for expensive extract transform and load ETL applications You will then learn how to take your knowledge of containers Kubernetes and Polybase to build a comprehensive solution called Big Data Clusters which is a marquee feature of 2019 You will also learn how to gain access to Spark SQL Server and HDFS to build intelligence over your own data lake and deploy end to end machine learning applications What You Will Learn Implement Big Data Clusters with SQL Server Spark and HDFS Create a Data Hub with connections to Oracle Azure Hadoop and other sources Combine SQL and Spark to build a machine learning platform for AI applications Boost your performance with no application changes using Intelligent Performance Increase security of your SQL Server through Secure Enclaves and Data Classification Maximize database uptime through online indexing and Accelerated Database Recovery Build new modern applications with Graph ML Services and T SQL Extensibility with Java Improve your ability to deploy SQL Server on Linux Gain in depth knowledge to run SQL Server with containers and Kubernetes Know all the new database engine features for performance usability and diagnostics Use the latest tools and methods to migrate your database to SQL Server 2019 Apply your knowledge of SQL Server 2019 to Azure Who This Book Is For IT professionals and developers who understand the fundamentals of SQL Server and wish to focus on learning about the new modern capabilities of SQL Server 2019 The book is for those who want to learn about SQL Server 2019 and the new Big Data Clusters and AI feature set support for machine learning and Java how to run SQL Server with containers and Kubernetes and increased capabilities around Intelligent Performance advanced security and high availability     *Mastering Windows Server 2016 Hyper-V* John Savill,2016-11-28 Build a seamless flexible full 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 **Big Data Infrastructure Technologies for Data Analytics** Yuri Demchenko,Juan J. Cuadrado-Gallego,Oleg Chertov,Marharyta Aleksandrova,2024-10-25 This book provides a comprehensive overview and introduction to Big Data Infrastructure technologies existing cloud based platforms and tools for Big Data processing and data analytics combining both a conceptual approach in architecture design and a practical approach in technology selection and project implementation Readers will learn the core functionality of major Big Data Infrastructure components and how they integrate to form a coherent solution with business benefits Specific attention will be given to understanding and using the major Big Data platform Apache Hadoop ecosystem its main functional components MapReduce HBase Hive Pig Spark and streaming analytics The book includes topics related to enterprise and research data management and governance and explains modern approaches to cloud and Big Data security and compliance The book covers two knowledge areas defined in the EDISON Data Science Framework EDSF Data Science Engineering and Data Management and Governance and can be used as a textbook for university courses or provide a basis for practitioners for further self study and practical use of Big Data technologies and competent evaluation and implementation of practical projects in their organizations *Microsoft Azure Stack a Complete Guide - 2019 Edition* Gerardus Blokdyk,2018-12-21 On Premise or in the Cloud Are interdependent service providers for example fuel suppliers telecommunications providers meter data processors included in risk assessments Would you choose to renew a contract with this vendor Should they be granted the same legal access to records and other data as their counterparts Have you acknowledged risks of reliability how can IT departments ensure that the business can access its applications Defining designing creating and implementing a process to solve a challenge or meet an objective is the most valuable role In EVERY group company organization and department

Unless you are talking a one time single use project there should be a process Whether that process is managed and implemented by humans AI or a combination of the two it needs to be designed by someone with a complex enough perspective to ask the right questions Someone capable of asking the right questions and step back and say What are we really trying to accomplish here And is there a different way to look at it This Self Assessment empowers people to do just that whether their title is entrepreneur manager consultant Vice President CxO etc they are the people who rule the future They are the person who asks the right questions to make Microsoft Azure Stack investments work better This Microsoft Azure Stack All Inclusive Self Assessment enables You to be that person All the tools you need to an in depth Microsoft Azure Stack Self Assessment Featuring 885 new and updated case based questions organized into seven core areas of process design this Self Assessment will help you identify areas in which Microsoft Azure Stack improvements can be made In using the questions you will be better able to diagnose Microsoft Azure Stack projects initiatives organizations businesses and processes using accepted diagnostic standards and practices implement evidence based best practice strategies aligned with overall goals integrate recent advances in Microsoft Azure Stack and process design strategies into practice according to best practice guidelines Using a Self Assessment tool known as the Microsoft Azure Stack Scorecard you will develop a clear picture of which Microsoft Azure Stack areas need attention Your purchase includes access details to the Microsoft Azure Stack self assessment dashboard download which gives you your dynamically prioritized projects ready tool and shows your organization exactly what to do next You will receive the following contents with New and Updated specific criteria The latest quick edition of the book in PDF The latest complete edition of the book in PDF which criteria correspond to the criteria in The Self Assessment Excel Dashboard Example pre filled Self Assessment Excel Dashboard to get familiar with results generation In depth and specific Microsoft Azure Stack Checklists Project management checklists and templates to assist with implementation INCLUDES LIFETIME SELF ASSESSMENT UPDATES Every self assessment comes with Lifetime Updates and Lifetime Free Updated Books Lifetime Updates is an industry first feature which allows you to receive verified self assessment updates ensuring you always have the most accurate information at your fingertips **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

Implementing Azure Solutions Florian Klaffenbach,Jan-Henrik Damaschke,Oliver Michalski,2017-05-19 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 **Implementing Azure: Putting Modern DevOps to Use** Florian Klaffenbach,Oliver Michalski,Markus Klein,Mohamed Wali,Namit Tanasseri,Rahul Rai,2019-01-31 Explore powerful Azure DevOps solutions to develop and deploy your software faster and more efficiently Key

FeaturesBuild modern microservice based systems with Azure architectureLearn to deploy and manage cloud services and virtual machinesConfigure clusters with Azure Service Fabric for deploymentBook Description This Learning Path helps you understand microservices architecture and leverage various services of Microsoft Azure Service Fabric to build deploy and maintain highly scalable enterprise grade applications You will learn to select an appropriate Azure backend structure for your solutions and work with its toolkit and managed apps to share your solutions with its service catalog As you progress through the Learning Path you will study Azure Cloud Services Azure managed Kubernetes and Azure Container Services deployment techniques To apply all that you ve understood you will build an end to end Azure system in scalable decoupled tiers for an industrial bakery with three business domains Toward the end of this Learning Path you will build another scalable architecture using Azure Service Bus topics to send orders between decoupled business domains with scalable worker roles processing these orders By the end of this Learning Path you will be comfortable in using development deployment and maintenance processes to build robust cloud solutions on Azure This Learning Path includes content from the following Packt products Learn Microsoft Azure by Mohamed WaliImplementing Azure Solutions Second Edition by Florian Klaffenbach Oliver Michalski Markus KleinMicroservices with Azure by Namit Tanasseri and Rahul RaiWhat you will learnStudy various Azure Service Fabric application programming modelsCreate and manage a Kubernetes cluster in Azure Kubernetes ServiceUse site to site VPN and ExpressRoute connections in your environmentDesign an Azure IoT app and learn to operate it in various scenariosImplement a hybrid Azure design using Azure StackBuild Azure SQL databases with Code First MigrationsIntegrate client applications with Web API and SignalR on AzureImplement the Azure Active Directory Azure AD across the entire systemWho this book is for If you are an IT system architect network admin or a DevOps engineer who wants to implement Azure solutions for your organization this Learning Path is for you Basic knowledge of the Azure Cloud platform will be beneficial      Microsoft Azure Stack Standard Requirements Gerardus Blokdyk,2018-10-07 How much does Microsoft Azure Stack help How do you manage and improve your Microsoft Azure Stack work systems to deliver customer value and achieve organizational success and sustainability What threat is Microsoft Azure Stack addressing What are the short and long term Microsoft Azure Stack goals How do you assess your Microsoft Azure Stack workforce capability and capacity needs including skills competencies and staffing levels This powerful Microsoft Azure Stack self assessment will make you the trusted Microsoft Azure Stack domain auditor by revealing just what you need to know to be fluent and ready for any Microsoft Azure Stack challenge How do I reduce the effort in the Microsoft Azure Stack work to be done to get problems solved How can I ensure that plans of action include every Microsoft Azure Stack task and that every Microsoft Azure Stack outcome is in place How will I save time investigating strategic and tactical options and ensuring Microsoft Azure Stack costs are low How can I deliver tailored Microsoft Azure Stack advice instantly with structured going forward plans There s no better guide through these mind expanding questions than acclaimed best selling author Gerard Blokdyk

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your own secure high performance hybrid cloud infrastructure You ll discover how Azure Stack enables you to run data centers with the same scalability redundancy and reliability as Microsoft s Azure data centers how to integrate Azure infrastructure and platform services with internal operations and how to manage crucial external dependencies The book concludes with a deep dive into automating and customizing Azure Stack for maximum reliability productivity and cost savings Detailed information on how to Run a private hybrid cloud on your hardware in your data center using APIs and code identical to public Azure Apply ITIL and DevOps lifecycles to your hybrid cloud implementation Gain a deep understanding of Azure Stack architecture components and internals Install and configure Azure Stack and master the Azure Stack Portal Integrate and utilize infrastructure core and custom resource providers Effectively provision secure and manage tenants Manage monitor troubleshoot and back up Azure Stack with CloudOps Automate resource provisioning with PowerShell the Azure CLI templates and Azure Stack s API Write your own Azure Resource Manager templates Centrally automate cloud management and complex tasks connected to external systems Develop customized production ready Azure Stack marketplace items **AZ-600: Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub Study Guide** Anand Vemula, The AZ 600 Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub Study Guide provides comprehensive coverage for IT professionals preparing for the AZ 600 certification exam The book explores the foundational concepts tools and techniques necessary to manage and configure a hybrid cloud environment using Microsoft Azure Stack Hub The guide is structured around key domains tested in the AZ 600 exam including deploying and configuring Azure Stack Hub managing its infrastructure configuring resource provisioning and managing services It delves into topics such as understanding the Azure Stack Hub architecture integrating it with Azure services and managing the underlying infrastructure using Azure Stack Hub Admin Portal Additionally the book covers security best practices including role based access control RBAC configuring security policies and ensuring regulatory compliance It emphasizes troubleshooting techniques monitoring and managing services to maintain a stable hybrid cloud environment The guide also includes real world case studies deployment scenarios and hybrid use cases that provide practical insights into how Azure Stack Hub can be leveraged in diverse organizational contexts By focusing on both the operational and strategic aspects of Azure Stack Hub this study guide prepares readers for the hands on tasks and problem solving challenges they may face during the exam and in their daily work managing hybrid cloud infrastructures With practical tips exercises and exam focused content it serves as a valuable resource for aspiring Azure Stack Hub administrators and cloud professionals **Building Microservices Applications on Microsoft Azure** Harsh Chawla,Hemant Kathuria,2019-07-17 Implement microservices starting with their architecture and moving on to their deployment manageability security and monitoring This book focuses on the key scenarios where microservices architecture is preferred over a monolithic architecture Building Microservices Applications on Microsoft Azure begins with a survey of microservices architecture compared to monolithic architecture and covers

microservices implementation in detail You ll see the key scenarios where microservices architecture is preferred over a monolithic approach From there you will explore the critical components and various deployment options of microservices on platforms such as Microsoft Azure public cloud and Azure Stack hybrid cloud This includes in depth coverage of developing deploying and monitoring microservices on containers and orchestrating with Azure Service Fabric and Azure Kubernetes Cluster AKS This book includes practical experience from large scale enterprise deployments therefore it can be a quick reference for solution architects and developers to understand the critical factors while designing a microservices application What You Will Learn Explore the use cases of microservices and monolithic architecture Discover the architecture patterns to build scalable agile and secure microservices applications Develop and deploy microservices using Azure Service Fabric and Azure Kubernetes Service Secure microservices using the gateway pattern See the deployment options for Microservices on Azure Stack Implement database patterns to handle the complexities introduced by microservices Who This Book Is For Architects and consultants who work on Microsoft Azure and manage large scale deployments **Azure企业级云平台架构与实践 （美）Leo Yeh）,2022-11-27 Azure Azure Azure Azure Azure Azure Azure Azure Azure Azure Azure IoT Azure AI Azure Serverless Azure Azure STAR **Modernizing Legacy Applications to Microsoft Azure** Steve Read,Larry Mead,2023-09-22 Move legacy applications to a hyper scale cloud such as Azure using best practices and surefire techniques Key Features Meet the needs of mainframe applications using hyper scale platform Move from a monolithic architecture to a modern cloud architecture by employing a perspective plan Avoid the big bang approach to modernization when in need of a phased approach Purchase of the print or Kindle book includes a free PDF eBook Book Description Organizations have varying circumstances objectives and prerequisites when contemplating a hyper scale cloud solution transformation to a platform such as Azure Modernizing Legacy Applications to Microsoft Azure uncovers potential scenarios and provides choices methodologies techniques and prospective possibilities for transitioning from legacy applications to the Microsoft Azure environment You ll start by understanding the legacy systems and the main concerns regarding migration Then you ll investigate why distributed architectures are compelling and the various components of the Azure platform needed during migration After that you ll explore the approaches to modernizing legacy applications and the Rs of modernizing i e rehost refactor rearchitect and retire You ll also learn about integration approaches and potential pitfalls By the end of this book you ll be well equipped to modernize your legacy workloads while being aware of pitfalls and best practices What will you learn Understand your current legacy estate s options before moving to Azure Move to a cloud environment from your legacy applications Build equivalent or superior application SLAs in Azure Use interoperability to enable a phased approach Integrate DevOps to help accelerate modernization Extend application functionality after migration Who this book is for This book is for both decision makers and implementers including CIOs CTOs data and application architects developers both legacy and cloud and business strategists Prior knowledge of legacy languages and modern cloud based languages like C NET and Java would be

helpful     **Mastering Cloud Development using Microsoft Azure** Roberto Freato,Marco Parenzan,2016-06-28 Master the art of efficiently composing Azure services and implement them in real world scenarios About This Book Build an effective development environment in Azure using the right set of technologies Architect a full stack solution in the cloud to choose the best service set A comprehensive guide full of real life examples to help you take your developer skills up a notch Who This Book Is For If you are a developer a full stack developer or an architect with an intermediate level understanding of cloud computing and Microsoft Azure and you want to take your skills up a notch this book is for you Prior knowledge and understanding of cloud development strategies is assumed What You Will Learn Set up a development environment with VMs ARM and RemoteApp Connect with VPNs to manage security and backups Establish a front end architecture with AppService storage search and caching Implement identity solutions integrate applications and use data Integrate cross platform mobile applications with the cloud Consistently build and manage an API layer for millions of users Work with messages in the enterprise Deploy your services as an IT expert with ARM templates In Detail Microsoft Azure is a cloud computing platform that supports many different programming languages tools and frameworks including both Microsoft specific and third party software and systems This book starts by helping you set up a professional development environments in the cloud and integrating them with your local environment to achieve improved efficiency You will move on to create front end and back end services and then build cross platform applications using Azure Next you ll get to grips with advanced techniques used to analyze usage data and automate billing operations Following on from that you will gain knowledge of how you can extend your on premise solution to the cloud and move data in a pipeline In a nutshell this book will show you how to build high quality end to end services using Microsoft Azure By the end of this book you will have the skillset needed to successfully set up develop and manage a full stack Azure infrastructure Style and Approach This comprehensive guide to Azure has both explorative parts and step by step ones Each chapter defines a learning path to a specific scenario mixing the appropriate technologies and building blocks efficiently     *Microsoft Azure* Richard J. Dudley,2010-12-09 Straight talking advice on how to design and build enterprise applications for the cloud using Microsoft Azure with this book and eBook

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## Azure Stack Azure Microsoft Introduction

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