

20533 Implementing Microsoft Azure Infrastructure Solutions

Microsoft Azure Security Infrastructure
 Azure Infrastructure as Code
 Exam Ref 70-533 Implementing Microsoft Azure Infrastructure Solutions with Practice Test
 Azure for Decision Makers
 Automating Microsoft Azure Infrastructure Services
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 Exam Ref 70-533 Implementing Microsoft Azure Infrastructure Solutions

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Microsoft Press

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.

Microsoft Azure Security Infrastructure 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.

Azure Infrastructure as Code Packt Publishing Ltd

Adopt Azure IaaS and migrate your on-premise infrastructure partially or fully to Azure. This book provides practical solutions by following Microsoft's design and best practice guidelines for building highly available, scalable, and secure solution stacks using Microsoft Azure IaaS. The author starts by giving an overview of Azure IaaS and its components: you'll see the new aspects of Azure Resource Manager, storage in IaaS, and Azure networking. As such, you'll cover design considerations for migration and implementation of infrastructure services, giving you practical skills to apply to your own projects. The next part of the book takes you through the different components of Azure IaaS that need to be included in a resilient architecture and how to set up a highly available infrastructure in Azure. The author focuses on the tools available for Azure IaaS automated provisioning and the different performance monitoring and fine-tuning options available for the platform. Finally, you'll gain practical skills in Azure security and implementing Azure architectures. After reading Practical Microsoft Azure IaaS, you will have learned how to map the familiar on-premise architecture components to their cloud infrastructure counterparts. This book provides a focused and practical approach to designing solutions to be hosted in Azure IaaS. What You Will Learn Map the key Azure components to familiar concepts in infrastructure, such as virtualization, storage provisioning, switching, and firewalls Implement Azure IaaS deployment architectures Design IaaS environments in line with the Microsoft recommended best practices for scalability, resiliency, availability, performance, and security Manage the operational aspects of hosted environments, leverage automation, and fine tune for optimal performance Who This Book Is For Infrastructure and solution architects with skills in on-premise infrastructure design who want to up-skill in Azure IaaS.

Exam Ref 70-533 Implementing Microsoft Azure Infrastructure Solutions with Practice Test Packt Publishing Ltd

Deploy, configure, administer, and run Microsoft Azure Stack Hub Key Features Understand the topics required for the Microsoft Azure AZ-600 exam Configure and provide services from Microsoft Azure Stack Hub Implement data center integration with Microsoft Azure Stack Hub Book 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, administering, 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 learn Understand the architecture of Azure Stack Hub Get up to speed with the management and administration of Azure Stack Hub Explore how to administer virtual networking within your Azure Stack Become well versed in using the Azure Stack Hub support model and updating Azure Stack Hub Understand how licensing and billing is done with Azure Stack Hub Discover the tools that can be used to implement security within Azure Stack Hub Focus on how DevOps practices can be incorporated with Azure Stack Hub Who 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.

Azure for Decision Makers Packt Publishing Ltd

Improve your Azure architecture practice and set out on a cloud and cloud-native journey with this Azure cloud native architecture guide. Key Features: Discover the key drivers of successful Azure architecture. Implement architecture maps as a compass to tackle any challenge. Understand architecture maps in detail with the help of practical use cases. Book Description: Azure offers a wide range of services that enable a million ways to architect your solutions. Complete with original maps and expert analysis, this book will help you to explore Azure and choose the best solutions for your unique requirements. Starting with the key aspects of architecture, this book shows you how to map different architectural perspectives and covers a variety of use cases for each architectural discipline. You'll get acquainted with the basic cloud vocabulary and learn which strategic aspects to consider for a successful cloud journey. As you advance through the chapters, you'll understand technical considerations from the perspective of a solutions architect. You'll then explore infrastructure aspects, such as network, disaster recovery, and high availability, and leverage Infrastructure as Code (IaC) through ARM templates, Bicep, and Terraform. The book also guides you through cloud design patterns, distributed architecture, and ecosystem solutions, such as Dapr, from an application architect's perspective. You'll work with both traditional (ETL and OLAP) and modern data practices (big data and advanced analytics) in the cloud and finally get to grips with cloud native security. By the end of this book, you'll have picked up best practices and more rounded knowledge of the different architectural perspectives. What you will learn: Gain overarching architectural knowledge of the Microsoft Azure cloud platform. Explore the possibilities of building a full Azure solution by considering different architectural perspectives. Implement best practices for architecting and deploying Azure infrastructure. Review different patterns for building a distributed application with ecosystem frameworks and solutions. Get to grips with cloud-native concepts using containerized workloads. Work with AKS (Azure Kubernetes Service) and use it with service mesh technologies to design a microservices hosting platform. Who this book is for: This book is for aspiring Azure Architects or anyone who specializes in security, infrastructure, data, and application architecture. If you are a developer or infrastructure engineer looking to enhance your Azure knowledge, you'll find this book useful.

Automating Microsoft Azure Infrastructure Services Packt Publishing Ltd

Get to grips with artificial intelligence and cybersecurity techniques to respond to adversaries and incidents. Key Features: Learn how to secure your Azure cloud workloads across applications and networks. Protect your Azure infrastructure from cyber attacks. Discover tips and techniques for implementing, deploying, and maintaining secure cloud services using best practices. Book 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 learn: Become well-versed with cloud security concepts. Get the hang of managing cloud identities. Understand the zero-trust approach. Adopt the Azure security cloud infrastructure. Protect and encrypt your data. Grasp Azure network security concepts. Discover how to keep cloud resources secure. Implement cloud governance with security policies and rules. Who 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.

Microsoft Azure Compute Microsoft Press

For cloud environments to operate and scale as they should, their storage components must be designed and configured well. Now, there's a complete, best-practice guide to designing, deploying, and managing Azure storage services for maximum performance, scalability, and value. Writing for every professional involved in delivering Azure workloads and services, leading enterprise cloud consultant Avinash Valiramani shows how to make the most of Azure storage tools and services to reduce downtime, avoid unnecessary cost, simplify management, and maintain excellent performance no matter how large you scale. Valiramani addresses a wide spectrum of Azure storage-related tools and offerings, offering practical guidance for all stages of your Azure journey, and all environments, no matter how sophisticated. He presents up-to-date overviews and hands-on drill-downs into Azure blob, file, queue, and table storage; managed disks, Data Share, Data Box, and more. Drawing on extensive experience in widely diverse environments, he combines deep knowledge and practical field advice—systematically helping you make the most of all your Azure investments.

Microsoft Azure Storage Packt Publishing Ltd

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.

Mastering Cloud Development using Microsoft Azure Packt Publishing Ltd

Explore various Azure services to build solutions that leverage effective design patterns. Key Features: Create, deploy, and host cloud applications on Azure. Understand various Azure services that help you host serverless applications. Explore practical examples to help you secure and troubleshoot your cloud environment. Book Description: Azure is one of the leading public cloud service providers. Thanks to a number of Azure service updates, it continues to make advances in the realm of cloud computing. Learn Microsoft Azure starts with the fundamentals of cloud computing. You will learn to configure and set up the Azure infrastructure. As you make your way through the book, you'll explore Azure services, along with working on virtual memory systems (VMS) and deployment models. You will understand various services in the Azure ecosystem, such as Azure IoT and Azure Analytics, among others. An easy-to-follow introduction to various cloud design patterns will also add to your efficiency in designing cloud solutions. In the concluding chapters, you'll secure your virtual networks using Network security groups and configure Azure Active Directory (Azure AD) to set a custom domain name and company profile. By the end of this book, you will have learned to secure and troubleshoot your Azure cloud environment and be fully aware of best practices for Azure cloud administration. What you will learn: Understand the cloud services offered by Azure. Design storage and networks in Azure for your Azure VM. Work with web apps and Azure SQL databases. Build your identity management solutions on Azure using Azure AD. Monitor, protect, and automate your Azure services using Operation Management Suite (OMS). Implement OMS for Azure services. Who this book is for: Learn Microsoft Azure is for administrators, cloud engineers, and developers who want to get started with using Azure as their cloud platform and build cloud-based applications for their enterprises.

Mastering Microsoft Azure Infrastructure Services Exam Ref 70-533

Leverage Azure's cloud capabilities to find the most optimized path to meet your firm's cloud infrastructure needs. Key Features: Get to grips with the core Azure infrastructure technologies and solutions. Develop the ability to opt for cloud design and architecture that best fits your organization. Cover the entire spectrum of cloud migration from planning to implementation and best practices. Book Description: Microsoft Azure is a powerful cloud computing platform that offers a multitude of services and capabilities for organizations of any size moving to a cloud strategy. This fourth edition comes with the latest updates on cloud security fundamentals, hybrid cloud, cloud migration, Microsoft Azure Active Directory, and Windows Virtual Desktop. It encapsulates the entire spectrum of measures involved in Azure deployment that includes understanding Azure fundamentals, choosing a suitable cloud architecture, building on design principles, becoming familiar with Azure DevOps, and learning best practices for optimization and management. The book begins by introducing you to the Azure cloud platform and demonstrating the substantial scope of digital transformation and innovation that can be achieved with Azure's capabilities. The guide also acquaints you with practical insights into application modernization, Azure Infrastructure as a Service (IaaS) deployment, infrastructure management, key application architectures, best practices of Azure DevOps, and Azure automation. By the end of this book, you will have acquired the skills required to drive Azure operations from the planning and cloud migration stage to cost management and troubleshooting. What you will learn: Understand core Azure infrastructure technologies and solutions. Carry out detailed planning for migrating applications to the cloud with Azure. Deploy and run Azure infrastructure services. Define roles and responsibilities in DevOps. Get a firm grip on Azure security fundamentals. Carry out cost optimization in Azure. Who this book is for: This book is designed to benefit Azure architects, cloud solution architects, Azure developers, Azure administrators, and anyone who wants to develop expertise in operating and administering the Azure cloud. Basic familiarity with operating systems and databases will help you grasp the concepts covered in this book.

Implementing Azure Cloud Design Patterns Packt Publishing Ltd

Gain critical real-world skills to secure your Microsoft Azure infrastructure against cyber attacks. Purchase of the print or Kindle book includes a free PDF eBook. Key Features: Dive into practical recipes for implementing security solutions for Microsoft Azure resources. Learn how to implement Microsoft Defender for Cloud and Microsoft Sentinel. Work with real-world examples of Azure Platform security capabilities to develop skills quickly. Book Description: With evolving threats, securing your cloud workloads and resources is of utmost importance. *Azure Security Cookbook* is your comprehensive guide to understanding specific problems related to Azure security and finding the solutions to these problems. This book starts by introducing you to recipes on securing and protecting Azure Active Directory (AD) identities. After learning how to secure and protect Azure networks, you'll explore ways of securing Azure remote access and securing Azure virtual machines, Azure databases, and Azure storage. As you advance, you'll also discover how to secure and protect Azure environments using the Azure Advisor recommendations engine and utilize the Microsoft Defender for Cloud and Microsoft Sentinel tools. Finally, you'll be able to implement traffic analytics; visualize traffic; and identify cyber threats as well as suspicious and malicious activity. By the end of this Azure security book, you will have an arsenal of solutions that will help you secure your Azure workload and resources. What you will learn: Find out how to implement Azure security features and tools. Understand how to provide actionable insights into security incidents. Gain confidence in securing Azure resources and operations. Shorten your time to value for applying learned skills in real-world cases. Follow best practices and choices based on informed decisions. Better prepare for Microsoft certification with a security element. Who this book is for: This book is for Azure security professionals, Azure cloud professionals, Azure architects, and security professionals looking to implement secure cloud services using Microsoft Defender for Cloud 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. This book is also beneficial for those aiming to take Microsoft certification exams with a security element or focus.

Exam Ref 70-533 John Wiley & Sons

Prepare for Microsoft Exam 70-533—and help demonstrate your real-world mastery of Microsoft Azure infrastructure solution implementation. Designed for experienced IT pros ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the Microsoft Specialist level. Focus on the expertise measured by these objectives: Deploy, configure, monitor, and scale websites. Implement virtual machine workloads, images, disks, networking, and storage. Configure, deploy, manage, and monitor cloud services. Implement blobs, Azure files, SQL databases, and recovery services. Manage access and configure diagnostics, monitoring, and analytics. Implement an Azure Active Directory and integrate apps. Configure and modify virtual networks, including multisite and hybrid networks. This Microsoft Exam Ref: Organizes its coverage by exam objectives. Features strategic, what-if scenarios to challenge you. Will be

valuable for IT pros, including enterprise architects; DevOps, network, server, virtualization, and identity engineers; and storage or security administrators Assumes you have experience implementing Microsoft Azure infrastructure solutions

Implementing Microsoft Azure Infrastructure Solutions About the Exam Exam 70-533 focuses on the skills and knowledge needed to implement web- sites, virtual machines, cloud services, storage, Azure Active Directory, and virtual networks with Microsoft Azure. About Microsoft Certification Passing this exam earns you a Microsoft Specialist certification in Microsoft Azure, demonstrating your expertise with the Microsoft Azure enterprise-grade cloud platform. You can earn this certification by passing Exam 70-532, Developing Microsoft Azure Solutions; or Exam 70-533, Implementing Microsoft Azure Infrastructure Solutions; or Exam 70-534, Architecting Microsoft Azure Solutions. See full details at: microsoft.com/learning. **Azure Strategy and Implementation Guide** "O'Reilly Media, Inc."

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

The Azure Cloud Native Architecture Mapbook Apress

Microsoft Azure is a cloud computing platform that provides a wide variety of services that we can use without purchasing and arranging our hardware. It enables the fast development of solutions and provides the resources to complete tasks that may not be achievable in an on-premises environment. Azure Services like compute, storage, network, and application services allow us to put our effort into building great solutions without worrying about the assembly of physical infrastructure. This book covers the fundamentals of Azure, which will provide us the idea about all the Azure key services that we are most likely required to know to start developing solutions. After completing this book, we can crack job interviews or able to get different Microsoft Azure certifications. Microsoft Azure is a cloud service that can be used to for building, testing, and managing applications and services through a network of servers managed by Microsoft in various locations all over the world. Get the most out of Azure, simply by following the easy instructions fully explained in this audiobook. This step-by-step guide gives you everything you need to know to do more with Azure than you ever thought possible! Here is a preview of what you will learn in this guide: Infrastructure as a Service (IaaS) Platform as a Service (PaaS) Software as a Service (SaaS) Public, Private, and Hybrid Clouds Cloud Computing and Security Issues The Importance of Geopolitics in Cloud Computing Overview of Available Azure Services Development with Azure Mobile Services in Azure Azure Storage Services Data-Management Functions in Azure Messaging Functions on Microsoft Azure Azure's Content Delivery Network Developer Tools in Azure Application Management with Azure Machine Learning Capabilities in Azure Azure and the Internet of Things (IoT) Definition of Azure DevOps Advantages of Azure DevOps Privacy and Microsoft Azure Creating a Windows Virtual Machine Creating a Linux Virtual Machine And so much more! With this guide, you will learn everything you need to know about Microsoft Azure!

Microsoft Azure Monitoring & Management Packt Publishing Ltd

Build cloud infrastructure expertise by elevating your Azure admin skills, mastering core services, and boosting productivity with helpful tools Key Features Learn about infrastructure as code, deploy resources with ARM templates, and migrate to Azure Bicep Deploy Azure Policy and explore ideas for implementing policies based on real-world scenarios Understand the structure and hierarchy of Azure resources and Azure subscriptions and the authorization and authentication mechanism Book Description Complete with the latest advancements in Azure services, this second edition of *Learn Azure Administration* is a comprehensive guide to scaling your cloud administration skills, offering an updated exploration of Azure fundamentals and delving into the intricacies of Azure Resource Manager and Azure Active Directory. Starting with infrastructure as code (IaC) basics, this book guides you through the seamless migration to Azure Bicep and ARM templates. From Azure virtual networks planning to deployment, you'll get to grips with the complexities of Azure Load Balancer, virtual machines, and configuring essential virtual machine extensions. You'll handle the identity and security for users with the Microsoft Entra ID and centralize access using policies and defined roles. Further chapters strengthen your grasp of Azure Storage security, supplemented by an overview of tools such as Network Watcher. By the end of the book, you'll have a holistic grasp of Azure administration principles to tackle contemporary challenges and expand your proficiency to administer your Azure-based cloud environment using various tools like Azure CLI, Azure PowerShell, and infrastructure as code. What you will learn Discover the workings of Azure Load Balancer, grasp its use cases, and configure load balancer rules Gain insights into various solutions for provisioning infrastructure and configuration Create and configure workspaces, query data in Log Analytics, and visualize data Plan and deploy virtual networks and configure network security groups Validate and verify multiple authentication and authorization scenarios Who this book is for This book is for cloud administrators, system administrators, and IT professionals who want to expand their skill set to enter the world of cloud computing. For IT professionals and engineers who are already familiar with the basics of Azure services, this book will serve as a step-by-step guide to solving the most common Azure problems. A basic understanding of cloud concepts such as IaaS, PaaS, virtualization, networking, and common Azure services is required.

Azure Integration Guide for Business Packt Publishing Ltd

Prepare for Microsoft Exam AZ-104 and help demonstrate your real-world mastery of implementing and deploying Microsoft Azure Infrastructure as a Service (IaaS). Designed for experienced cloud professionals ready to advance their status, Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified Associate level. Focus on the expertise measured by these objectives: Manage Azure identities and governance Implement and manage storage Deploy and manage Azure compute resources Configure and manage virtual networking

Monitor and back up Azure resources This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Assumes you are an experienced Azure administrator who understands and manages diverse storage, security, networking and/or compute cloud services About the Exam Exam AZ-104 focuses on skills and knowledge needed to manage Azure subscriptions; analyze resource utilization and consumption; manage resource groups; establish storage accounts; import/export data; configure Azure files; implement backup; create, configure, and automate VM deployment; manage VMs and VM backups; implement, manage, and connect virtual networks; configure name resolution; create and configure Network Security Groups; manage Azure AD and its objects; and implement and manage hybrid identities. About Microsoft Certification Passing exam AZ-104 earns your Microsoft Certified: Azure Administrator Associate certification, demonstrating your skills in implementing, monitoring, and maintaining Microsoft Azure solutions, including major services related to compute, storage, network, and security.

Azure Strategy and Implementation Guide Sams Publishing

Proven best practices for success with every Azure monitoring and management service For cloud environments to deliver optimal value, their monitoring and management services must be designed, deployed, and managed well. Leading cloud consultant Avinash Valiramani shows how to simplify administration, reduce downtime, control cost, solve problems faster, and prepare for any workload in any environment. Explore detailed, expert coverage of Azure Backup, Azure Site Recovery, Azure Migrate, Azure Monitor, Azure Network Watcher, Azure Portal, Azure Cloud Shell, Azure Service Health, Azure Cost Management, and more. Whatever your role in delivering efficient, reliable cloud services, this best practice, deep dive guide will help you make the most of your Azure investment. Leading Azure consultant Avinash Valiramani shows how to: Back up on-premises, Azure-based, and other cloud workloads for short- and long-term retention Implement simple, stable, cost-effective business continuity/disaster recovery with Azure Site Recovery Discover, assess, and migrate diverse workloads to Azure, VMs, web apps, databases, and more Monitor all Azure applications, VMs, and other deployed services centrally via Azure Monitor Track, troubleshoot, and optimize networking for IaaS resources Create and manage anything from single-service solutions to complex multi-service architectures Run Azure Cloud Shell's cloud-native command line from any device, anywhere Monitor service health, workload levels, service layer resources, and availability Also look for these Definitive Guides to Azure success: Microsoft Azure Compute: The Definitive Guide Microsoft Azure Networking: The Definitive Guide Microsoft Azure Storage: The Definitive Guide

Learn Azure Administration Apress

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.

Mastering Windows Server 2022 with Azure Cloud Services Apress

The Exam Ref is the official study guide for Microsoft certification exams. Featuring concise, objective-by-objective reviews and strategic case scenarios and Thought Experiments, exam candidates get professional-level preparation for the exam. The Exam Ref helps candidates maximize their performance on the exam and sharpen their job-role skills. It organizes material by the exam's objective domains. Features strategic, what-if scenarios to challenge the reader Provides knowledge check questions at the end of each chapter Will be valuable for IT pros, including enterprise architects; DevOps, network, server, virtualization, and identity engineers; and storage or security administrators Assumes the reader has some experience implementing Microsoft Azure infrastructure solutions.

Implementing Microsoft Azure Infrastructure Solutions John Wiley & Sons

Proven best practices for success with every Azure compute service! Compute services are key to most Azure cloud solutions, but maximizing their value requires best-practice planning, design, deployment, and operations. Now, leading consultant Avinash Valiramani presents expert guidance for driving maximum value from Microsoft's portfolio of Azure compute services for IaaS, PaaS, and FaaS. Drawing on his extensive work with Microsoft's Azure teams, he covers Azure VMs, VM Scale Sets, App Services, Azure Virtual Desktops, Azure Container Instances, Azure Functions, Azure Batch, and other Compute services. Whatever your role in delivering efficient, scalable compute services, this deep dive will help you make the most of your Azure investment. Leading Azure consultant Avinash Valiramani shows how to: Dive deeply into the frequently used Azure Compute services to better understand how each service works Walk through configuring each compute service and its related features and options Size, price, and create Azure VMs, and deliver the right levels of redundancy and availability Use VM Scale Sets (VMSS) to integrate VMs with load balancing and autoscaling Host web applications, mobile app back ends, and REST APIs via Azure App Service Run desktops-as-a-service at scale with Azure Virtual Desktop (AVD) Easily deploy containers on demand with Azure Container Instances (ACIs) Use serverless Azure Functions to build web APIs, process streams, and manage message queues About this Book For everyone interested in Azure infrastructure, including IT/cloud admins, security specialists, developers, engineers, and others at all levels of Azure compute experience. Especially useful for experienced IT pros in mid-sized to large organizations who have deployed, operated, monitored, upgraded, migrated, or designed infrastructure services.

Best Sellers - Books :

- [How To Win Friends & Influence People \(dale Carnegie Books\)](#)
- [Fourth Wing \(the Empyrean, 1\) By Rebecca Yarros](#)
- [Twisted Love \(twisted, 1\) By Ana Huang](#)
- [A Court Of Silver Flames \(a Court Of Thorns And Roses, 5\) By Sarah J. Maas](#)
- [Meditations: A New Translation](#)
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