# azure 104 exam objectives

azure 104 exam objectives represent the core topics and skills tested in the Microsoft Azure Administrator certification exam, officially known as Exam AZ-104. This exam is designed for professionals aiming to validate their expertise in managing Azure cloud services, including storage, networking, compute, and security solutions. Understanding the azure 104 exam objectives is crucial for candidates preparing to demonstrate their ability to implement, manage, and monitor identity, governance, storage, compute resources, and virtual networks in a cloud environment. This article provides a comprehensive overview of the key areas covered by the exam, detailing the specific objectives and skills required. Additionally, it offers insights into the structure of the exam and tips on how to effectively prepare. The following sections will break down the azure 104 exam objectives into manageable categories to facilitate targeted study and mastery.

- 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

### Manage Azure Identities and Governance

One of the primary azure 104 exam objectives is to proficiently manage Azure identities and governance, which encompasses configuring and managing Azure Active Directory (Azure AD) and implementing role-based access control (RBAC). Candidates must understand how to create and manage users and groups, configure multi-factor authentication (MFA), and manage subscriptions and governance policies to ensure secure and compliant cloud environments.

### Manage Azure Active Directory (Azure AD)

This subtopic focuses on creating and managing Azure AD users and groups, implementing self-service password reset, and configuring device settings. Understanding how to synchronize on-premises directories with Azure AD using Azure AD Connect is also essential.

#### Implement Role-Based Access Control (RBAC)

RBAC is critical for managing access to Azure resources. Candidates should be able to assign roles to users, groups, and service principals, define custom roles, and troubleshoot access issues effectively.

#### Manage Subscriptions and Governance

Managing Azure subscriptions and governance involves configuring Azure policies, resource locks, and tags. This ensures compliance with organizational standards and prevents unintended changes or deletions of critical resources.

### Implement and Manage Storage

Storage management forms a significant portion of the azure 104 exam objectives. Candidates must demonstrate the ability to provision and configure Azure Storage accounts, manage data in Azure Blob storage, and implement secure access to storage resources. Knowledge of different storage types and replication options is also required.

#### Configure Azure Storage Accounts

This subtopic includes creating and configuring storage accounts, selecting appropriate performance and replication options, and configuring access tiers for Blob storage to optimize cost and performance.

#### Manage Data in Azure Storage

Managing data involves uploading, downloading, and managing blobs, files, queues, and tables. Candidates should be familiar with Azure Storage Explorer and PowerShell commands to perform these tasks efficiently.

#### Implement Secure Access to Storage

Security for storage accounts involves configuring shared access signatures (SAS), Azure AD authentication for storage, and firewalls and virtual networks to restrict access.

## Deploy and Manage Azure Compute Resources

Another key area within the azure 104 exam objectives is the deployment and management of compute resources. This includes working with virtual machines (VMs), containers, and Azure App Services. Candidates need to understand how to configure, scale, and secure these resources to meet application requirements.

# Deploy and Configure Virtual Machines

Candidates should be able to create VMs using the Azure portal, PowerShell, and ARM templates. Configuring VM storage, networking, and availability sets to ensure high availability and resilience is also crucial.

#### Manage Containers and Azure Kubernetes Service (AKS)

This subtopic covers deploying and managing containerized applications using Azure Container Instances and AKS. Understanding container orchestration and scaling is beneficial.

#### Configure Azure App Services

Candidates must know how to create and manage Azure App Services, configure deployment slots, and implement autoscaling to optimize resource usage and application performance.

# Configure and Manage Virtual Networking

Networking is a fundamental component of the azure 104 exam objectives. Candidates need to demonstrate skills in configuring virtual networks, managing network security, and implementing connectivity solutions to ensure secure and efficient communication between Azure resources and on-premises environments.

#### Configure Virtual Networks (VNets)

This includes creating VNets, subnets, and configuring IP addressing. Candidates should also understand network peering and service endpoints to enable communication within and across VNets.

### Implement Network Security

Network security involves configuring network security groups (NSGs), Azure Firewall, and Azure DDoS Protection to safeguard resources from unauthorized access and attacks.

### Implement Connectivity Solutions

Understanding VPN gateways, ExpressRoute, and Azure Bastion is critical for providing secure and reliable connectivity between Azure and on-premises networks as well as remote access to VMs.

## Monitor and Back Up Azure Resources

The ability to monitor and back up Azure resources is essential for maintaining the health and availability of cloud services, making it a vital part of the azure 104 exam objectives. Candidates must be proficient in configuring monitoring tools and backup solutions to ensure data protection and operational insight.

#### Monitor Azure Resources

Monitoring involves configuring Azure Monitor, setting up alerts and action groups, and analyzing logs using Azure Log Analytics. These tools help identify and troubleshoot issues proactively.

#### Implement Backup and Recovery

Candidates should understand how to configure Azure Backup for VMs, files, and SQL databases, as well as implement Azure Site Recovery for disaster recovery scenarios to maintain business continuity.

#### Manage Cost and Service Health

Managing costs includes using Azure Cost Management to monitor and control cloud spending, while service health monitoring provides insights into Azure service issues affecting the deployed resources.

# Key Skills and Preparation Tips for Azure 104 Exam

To successfully achieve certification, candidates must develop a broad range of technical skills aligned with the azure 104 exam objectives. Practical experience with Azure services, combined with thorough study of Microsoft's official documentation and hands-on labs, is recommended. Time management during the exam and familiarity with question formats can also improve performance.

- Gain hands-on experience with Azure portal, CLI, and PowerShell.
- Understand core Azure services and deployment models.
- Practice configuring and managing resources using ARM templates.
- Review Microsoft Learn modules and official practice exams.
- Stay updated on Azure service changes and best practices.

### Frequently Asked Questions

# What are the main topics covered in the Azure AZ-104 exam objectives?

The AZ-104 exam covers managing Azure identities and governance, implementing and managing storage, deploying and managing Azure compute resources, configuring and managing virtual networking, and monitoring and backing up Azure resources.

# How important is understanding Azure Active Directory for the AZ-104 exam?

Understanding Azure Active Directory (Azure AD) is crucial for the AZ-104 exam as it forms the foundation for managing identities, roles, and access within Azure environments.

# Does the AZ-104 exam require knowledge of virtual networking in Azure?

Yes, configuring and managing virtual networks, including subnets, network security groups, and VPNs, is a significant part of the AZ-104 exam objectives.

# Are monitoring and backup solutions included in the AZ-104 exam objectives?

Yes, the exam includes managing Azure Monitor, configuring alerts, and implementing backup and recovery solutions for Azure resources.

# What level of experience is recommended before attempting the AZ-104 exam?

Microsoft recommends candidates have at least six months of hands-on experience managing Azure resources and a strong understanding of core Azure services before taking the AZ-104 exam.

# Is knowledge of Azure compute resources necessary for the AZ-104 exam?

Yes, candidates should be familiar with deploying and managing virtual machines, Azure App Services, and container services as part of the compute section in the exam.

### How often are the AZ-104 exam objectives updated?

Microsoft updates the AZ-104 exam objectives regularly to align with new Azure features and services, typically every 6 to 12 months.

# Where can I find the official AZ-104 exam objectives for study?

The official AZ-104 exam objectives are available on the Microsoft Learn website, providing detailed skills measured and recommended learning paths.

#### Additional Resources

1. Exam Ref AZ-104 Microsoft Azure Administrator
This book is tailored specifically for candidates preparing for the AZ-104 exam. It covers all core topics, including managing Azure identities, governance, storage, virtual networks, and computing resources. The content is structured to help readers understand the concepts and apply them in real-

world scenarios, making it an essential resource for Azure administrators.

- 2. Microsoft Azure Administrator Exam Guide AZ-104
  A comprehensive study guide that dives deep into the key areas of the AZ-104
  exam. It includes detailed explanations, hands-on exercises, and practice
  questions to reinforce learning. This book is ideal for those who want both
  theoretical knowledge and practical skills to manage Azure environments
  effectively.
- 3. Azure for Architects: Design, Deploy, and Manage Secure Azure Infrastructure

While focused on architecture, this book covers many administrative aspects relevant to the AZ-104 exam. It emphasizes designing secure and scalable Azure solutions, integrating governance, and managing compute and storage resources. Readers gain insight into best practices that complement the exam objectives.

- 4. Mastering Azure Infrastructure Services
  This book provides an in-depth look at Azure infrastructure, covering virtual machines, networking, and storage management. It aligns closely with the AZ-104 syllabus, offering practical guidance on deploying and maintaining Azure resources. The step-by-step tutorials help readers build confidence in managing Azure environments.
- 5. Azure Active Directory for IT Professionals
  Focused on identity and access management, this book is crucial for mastering the Azure AD components of the AZ-104 exam. It explains user and group management, role-based access control, and Azure AD Connect configurations. The clear examples help readers implement secure identity solutions in Azure.
- 6. Hands-On Azure Governance: Implement Policies, Blueprints, and Resource Management
  Governance is a vital part of the AZ-104 exam, and this book covers it

extensively. It teaches how to apply policies, manage subscriptions, and utilize resource locks to maintain compliance. Practical exercises demonstrate how to enforce organizational standards within Azure environments.

- 7. Implementing and Managing Azure Virtual Networks
  Networking is a key domain in the AZ-104 exam, and this book focuses on virtual network deployment and management. It covers subnets, network security groups, VPNs, and Azure Firewall configurations. Readers learn how to design and maintain secure and efficient network infrastructures in Azure.
- 8. Azure Storage Essentials: Managing Blobs, Files, and Disks
  This book dives into Azure storage solutions, a critical topic for the AZ-104
  exam. It explains how to configure and manage blob storage, file shares, and
  managed disks. The practical approach helps readers optimize storage
  performance and security in their Azure environments.
- 9. Azure Monitoring and Troubleshooting Guide
  Effective monitoring and troubleshooting are essential skills for Azure
  administrators. This guide covers the use of Azure Monitor, Log Analytics,
  and alerts to maintain healthy environments. It equips readers with
  strategies to identify and resolve issues proactively, aligning well with
  AZ-104 exam objectives.

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azure 104 exam objectives: Exam Ref AZ-104 Microsoft Azure Administrator Certification and Beyond Donovan Kelly, 2024-09-30 Leverage Azure's storage, security, networking, and compute services to ace the AZ-104 exam and excel in your daily tasks Purchase of this book unlocks access to web-based exam prep resources such as mock exams, flashcards, exam tips, and the eBook PDF Key Features Prepare for the AZ-104 exam with the latest exam objectives and content Gain hands-on Azure experience with practical labs for real-world administrative tasks Assess your exam readiness with challenging mock exams Book DescriptionTake the first step toward excellence in Azure management and earning your Microsoft certification with this hands-on guide! This third edition of Exam Ref AZ-104 Microsoft Azure Administrator Certification and Beyond offers comprehensive insights and step-by-step instructions that follow the latest AZ-104 exam objectives. You'll work your way from foundational topics such as Azure identity management and governance to essential skills such as deploying and managing storage solutions, configuring virtual networks, and monitoring Azure resources. Each chapter includes practice questions to reinforce your understanding and enhance your practical skills. The book also provides you with access to online mock exams, interactive flashcards, and expert exam tips, helping you assess your readiness and boost your confidence before the exam. By the end of this book, you won't just be prepared to pass the AZ-104 exam - you'll also have the expertise needed to efficiently manage Azure environments in real-world scenarios. What you will learn Manage Azure AD users, groups, and RBAC Handle subscription management and governance implementation Customize and deploy Azure Resource Manager templates Configure containers and Azure app services Manage and secure virtual networks comprehensively Utilize Azure Monitor for resource monitoring Implement robust backup and recovery solutions Who this book is for This book is for cloud administrators, engineers, and architects looking to understand Azure better and get a firm grasp on administrative functions or anyone preparing to take the Microsoft Azure Administrator (AZ-104) exam. A basic understanding of the Azure platform is needed, but astute readers can comfortably learn all the concepts without having worked on the platform before by following all the examples present in the book.

azure 104 exam objectives: Exam Ref AZ-104 Microsoft Azure Administrator Charles Pluta, 2024-06-14 Prepare for Microsoft Exam AZ-104 and demonstrate your real-world mastery and knowledge of Microsoft Azure administration. Designed for working Azure administrators, this Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified Solutions 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 Implement and manage virtual networking Monitor and maintain Azure resources This Microsoft Exam Ref: Organizes its coverage by the Skills Measured list published for the exam Features strategic, what-if scenarios to challenge you Assumes you want to validate and demonstrate your command of managing Microsoft Azure cloud environments About the Exam Exam AZ-104 focuses on knowledge needed to manage Microsoft Entra ID, RBAC, subscriptions, and governance; manage storage accounts and Azure Storage data; configure Azure files and blob storage; configure VMs for high availability and scalability; automate VM deployment and configuration; create and configure VMs, containers, and Web Apps; implement, manage, secure, monitor, and troubleshoot virtual networking; configure name resolution and load balancing; integrate on-premises networks; monitor resources with Azure Monitor; implement backup and recovery. About Microsoft Certification Passing this exam fulfills your requirements for the Microsoft Certified: Azure Administrator Associate credential, demonstrating your readiness to implement, manage, and monitor identity, governance, storage, compute, and virtual networks in a cloud environment, and to provision, size, monitor, and adjust resources as appropriate. See full details at: microsoft.com/learn

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azure 104 exam objectives: Microsoft Azure Administrator Exam Prep (AZ-104) Lalit Rawat, 2022-11-18 Step by step exam guide to learn Microsoft Azure Administration with hands-on labs KEY FEATURES • Includes subject matter expertise in implementing, managing, and monitoring your organization's Microsoft Azure environment. • Covers all exam topics, including virtual networks, storage, computing, identity, security, and governance. • Includes exam tips, practice exam questions, and in-depth explanations to get certified on the first attempt. DESCRIPTION In cloud computing, getting certified as an Azure Administrator is one of the most highly sought-after sets of abilities. Author Lalit Rawat brings the lab's experience to this updated and extended second edition to help you launch your test preparation with the practical practice of how a certified Azure administrator handles enterprise cloud architecture. This book will help you understand the fundamental and more advanced aspects of Azure administration. In-depth coverage is provided for various topics, including how to sync your existing on-premises active directory with the Azure directory and how to use the user management features of Azure Active Directory. The book also provides an exam-based scenario explanation for the Azure Virtual Machine, the Azure Storage Account, and the Azure Networking service. The book also includes topics such as Azure Monitor, Azure networking, on-premises to Azure connectivity, site-to-site connections, express route, and disaster and backup recovery solutions. In addition, you will enjoy chapters specifically devoted to Exam Preparation Guidelines and Mock Exams, which will assist you in the exam assessments that test your knowledge. WHAT YOU WILL LEARN • Train to work as an Azure administrator using the Microsoft Azure lab environment. • Excellent familiarity with Microsoft Azure and all other essentials of cloud administration. • Set up a corporate cloud system based on Azure. • Build and expand your organization's virtual infrastructure. • Implement web apps and containers. • Implement storage solutions and manage the network traffic. • Set up, size, monitor, and change your resources to meet the needs of your business. WHO THIS BOOK IS FOR This book is intended

for Azure Administrators, Cloud Engineers, Windows/Linux Administrators, Technical Specialists, and Consultants who wish to get certified in Azure and expand their expertise to expert-level skills on the platform. Knowing Powershell and CLI should be enough to read through this book. TABLE OF CONTENTS 1. Managing Azure AD Objects 2. Implementing and Managing Hybrid Identities 3. Managing Role Assignments Through the RBAC Policy 4. Managing Azure Subscription and Resource Management 5. Managing and Configuring of Azure Storage Accounts 6. Manage Data in Azure Storage 7. The Azure File Share 8. Creating and Configuring of Azure VMs 9. Automating Deployment of VMs 10. Creating and Configuring Container 11. Creating and Configuring Web Apps 12. Virtual Network Configuration and Integration On-Prem to Azure 13. Configuring Load Balancing 14. Securing Access to Virtual Networks 15. Monitoring and Troubleshooting of Virtual Networking 16. Analyzing Resource Utilization and Consumption 17. Implementation of Azure Backup and Disaster Recovery 18. Exam Preparation Guidelines and Assessment Based on Live Ouestions

azure 104 exam objectives: Exam Ref AZ-104 Microsoft Azure Administrator Certification and Beyond Riaan Lowe, Donovan Kelly, 2022-07-22 Navigate Microsoft Azure cloud services like storage, security, networking, and compute cloud capabilities with ease and pass the AZ-104 exam while developing skills for daily use Key Features Get to grips with AZ-104 exam topics like infrastructure and applications to help with Azure administration Experience Azure through practical labs based on real-world administrative tasks Learn practical management tips from experienced professionals Book DescriptionExam Ref AZ-104 Microsoft Azure Administrator Certification and Beyond covers all the exam objectives and will help you to earn the Microsoft Azure Administrator certification with ease. Whether you're studying to pass the AZ-104 exam or just want hands-on experience in administering Azure, this AZ-104 study guide will help you to achieve your objectives. This book covers the latest Azure features and capabilities around configuring, managing, and securing Azure resources. Adhering to Microsoft's AZ-104 exam syllabus, this guide is divided into five modules. The first module will show you how to manage Azure identities and governance. You'll find out how to configure Azure subscription policies at the Azure subscription level and use Azure policies for resource groups. After that, the book covers techniques related to implementing and managing storage in Azure, enabling you to create and manage Azure Storage, including File and Blob storage. In the second module, you'll learn how to deploy and manage Azure compute resources. The third and fourth modules will teach you about configuring and managing virtual networks and monitoring and backing up Azure resources. Finally, you'll work through mock tests, with answers provided, to prepare for this exam. By the end of this book, you'll have the skills needed to pass the AZ-104 exam and be able to expertly manage Azure. What you will learn Manage Azure Active Directory users and groups along with role-based access control (RBAC) Discover how to handle subscriptions and implement governance Implement and manage storage solutions Modify and deploy Azure Resource Manager templates Create and configure containers and Microsoft Azure app services Implement, manage, and secure virtual networks Find out how to monitor resources via Azure Monitor Implement backup and recovery solutions Who this book is for This book is for cloud administrators, engineers, and architects looking to understand Azure better and gain a firm grasp on administrative functions or anyone preparing to take the Microsoft Azure Administrator (AZ-104) exam. A basic understanding of the Azure platform is needed, but astute readers can comfortably learn all the concepts without having worked on the platform before by following all examples in the book.

**azure 104 exam objectives:** *Microsoft Azure Administrator AZ 104* Manish Soni, 2024-11-13 Microsoft Azure Administrator AZ 104: Microsoft Azure Administrator is a meticulously structured guide designed to equip aspiring and experienced cloud professionals with the knowledge and practical skills required to efficiently manage cloud services within the Microsoft Azure ecosystem. As cloud computing continues to redefine modern IT infrastructure, the role of Azure administrators has become increasingly vital in ensuring seamless operations across storage, security, networking, and compute capabilities. This book serves as a comprehensive resource, aligned with the objectives

of the AZ-104 certification exam, to provide an in-depth understanding of Azure administration tasks, including implementation, management, and monitoring of cloud environments. Through a methodical approach, this guide builds foundational knowledge and progresses toward advanced topics, ensuring that readers develop both theoretical understanding and hands-on expertise. Beyond exam preparation, Microsoft Certification AZ-104: Microsoft Azure Administrator emphasizes real-world applicability, integrating practical exercises, case studies, and self-assessment tools to reinforce learning. Each chapter is structured to facilitate incremental learning, with review questions and key insights that enhance retention and application of core concepts. Additionally, supplementary resources such as online test papers and expert-led video tutorials further enrich the learning experience. Whether you are embarking on a career in cloud administration or seeking to refine your Azure expertise, this book provides the essential tools to confidently navigate the evolving landscape of cloud computing. We invite you to engage with this material, deepen your understanding, and take a significant step toward mastering Azure administration and achieving certification success.

**Study Guide** Rithin Skaria, 2022-04-13 Learn what it takes to be an Azure Administrator and efficiently prepare for Exam AZ-104 with this authoritative resource MCA Microsoft 365 Azure Administrator Study Guide: Exam AZ-104 prepares readers to take the AZ-104 Exam and to fully understand the role of a Microsoft 365 Azure Administrator. The book takes a practical and straightforward approach to Microsoft Azure, ensuring that you understand both the realities of working as an Administrator and the techniques and skills necessary to succeed on the AZ-104 Exam. In addition to providing you with access to the online Sybex test bank that includes hundreds of practice questions, flashcards, and a glossary of terms, the study guide comprehensively explains all the following topics: How to manage Azure subscriptions and resources Implementing and managing storage Deploying and managing virtual machines Managing and configuring virtual networks How to Manage identities Perfect for anyone considering a career as a Microsoft Azure Administrator or preparing for the AZ-104 Exam, MCA Microsoft 365 Azure Administrator Study Guide: Exam AZ-104 also belongs on the bookshelves of practicing administrators who wish to brush up on the fundamentals of their profession.

azure 104 exam objectives: Microsoft Certified Azure Administrator Jamie Murphy, 2023-11-05 Are you looking to boost your career in cloud computing and become a certified Microsoft Azure Administrator? Whether you're a seasoned IT professional or just starting your journey in cloud technology, this comprehensive guide is your key to passing the Microsoft Certified: Azure Administrator Associate exam (AZ-104) with confidence. Microsoft Azure is a leading cloud platform, and the demand for skilled Azure administrators is on the rise. Achieving the Azure Administrator Associate certification validates your expertise in deploying, managing, and securing Azure resources, making you a sought-after professional in the IT industry. This book serves as your all-in-one resource to prepare for the AZ-104 certification exam. It covers all the key domains and topics you need to master, including Azure Active Directory, compliance and cloud governance, virtual networking, storage, virtual machines, automation, and more. Each chapter is written in a clear and concise manner, with hands-on examples and real-world scenarios to reinforce your understanding. Here's what you can expect to find in this book: Detailed Content: Each chapter is dedicated to a specific exam domain, providing you with in-depth knowledge and practical insights. Exam Essentials: Key takeaways, summaries, and exam essentials at the end of each chapter help you focus on critical points and review your understanding. Practice Test Ouestions: Challenge yourself with a variety of practice test questions that closely simulate the actual exam, complete with detailed explanations of the correct answers. Study Aids: This book is designed to be your study companion, equipping you with the knowledge, skills, and confidence you need to succeed in the AZ-104 exam. Whether you're an Azure enthusiast aiming to validate your skills or an IT professional seeking to enhance your career prospects, this book will empower you to become a certified Azure Administrator Associate. With a solid grasp of Azure's key principles and hands-on expertise, you'll

be well-prepared to meet the growing demand for Azure administrators in today's competitive job market. Start your journey to certification success today.

azure 104 exam objectives: 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.

azure 104 exam objectives: Exam Prep AZ-305 Lalit Rawat, 2024-07-24 DESCRIPTION "Exam Prep AZ-305: Designing Microsoft Azure Infrastructure Solutions" book is a comprehensive guide for IT professionals preparing for the Microsoft Azure AZ-305 certification exam. This book offers detailed insights into designing scalable, secure, and resilient infrastructure solutions on the Azure platform, aligning with the latest exam objectives. It covers critical topics such as designing governance, security, storage, and networking solutions, ensuring readers have the necessary knowledge to architect effective Azure solutions. Through a blend of theoretical concepts and practical exercises, this guide equips readers with the skills needed to apply Azure best practices in real-world scenarios. Each chapter covers specific areas of infrastructure design, providing step-by-step instructions, expert tips, and real-life examples to illustrate complex concepts. This practical approach not only helps in mastering the exam content but also enhances the reader's ability to solve real-world challenges in their job roles. It not only prepares you for certification but also empowers you to design and implement robust Azure infrastructure solutions, thereby enhancing your capabilities and career prospects in the evolving field of cloud technology. KEY FEATURES • Expertise in Azure networking, storage, compute, identity management, monitoring, security, hybrid cloud solutions, and disaster recovery. • Learn to design and implement robust Azure infrastructure solutions. • Prepare for the AZ-305 Azure Infrastructure Architect certification exam. 
● Utilize up-to-date Microsoft AZ-305 curriculum. WHAT YOU WILL LEARN ● Master Azure governance principles. ● Design secure authentication and authorization solutions. ● Architect scalable compute solutions on Azure. • Implement effective data storage and integration strategies. ◆ Design robust backup and disaster recovery solutions. ◆ Learn key migration strategies for transitioning to Azure. WHO THIS BOOK IS FOR Whether you are an aspiring cloud architect, a seasoned IT professional, or someone looking to advance their career in cloud computing, this book serves as an essential resource. TABLE OF CONTENTS 1. Designing Governance 2. Designing Authentication and Authorization Solutions 3. Designing a Solution Monitor of Azure Resources 4. Designing an Azure Compute Solution 5. Designing a Data Storage Solution for Non-relational Data 6. Designing Data Integration 7. Designing Data Storage Solutions for Relational Data 8. Designing Network Solutions 9. Designing a Solution for Backup and Disaster Recovery 10. Designing Migration 11. Azure Well-Architected Framework 12. Exam Preparation Guidelines and Assessment

Ouestions 13. Azure Architect Exam Mock Test

azure 104 exam objectives: Microsoft Azure Fundamentals Certification and Beyond Steve Miles, 2022-01-07 Gain in-depth knowledge of Azure fundamentals that will make it easy for you to achieve AZ-900 certification Key Features Get fundamental knowledge of cloud concepts and the Microsoft Azure platform Explore practical exercises to gain experience of working with the Microsoft Azure platform in the real world Prepare to achieve AZ-900 certification on the first go with the help of simplified examples covered in the book Book Description This is the digital and cloud era, and Microsoft Azure is one of the top cloud computing platforms. It's now more important than ever to understand how the cloud functions and the different services that can be leveraged across the cloud. This book will give you a solid understanding of cloud concepts and Microsoft Azure, starting by taking you through cloud concepts in depth, then focusing on the core Azure architectural components, solutions, and management tools. Next, you will understand security concepts, defense-in-depth, and key security services such as Network Security Groups and Azure Firewall, as well as security operations tooling such as Azure Security Center and Azure Sentinel. As you progress, you will understand how identity, governance, privacy, and compliance are managed in Azure. Finally, you will get to grips with cost management, service-level agreements, and service life cycles. Throughout, the book features a number of hands-on exercises to support the concepts, services, and solutions discussed. This provides you with a glimpse of real-world scenarios, before finally concluding with practice questions for AZ-900 exam preparation. By the end of this Azure book, you will have a thorough understanding of cloud concepts and Azure fundamentals, enabling you to pass the AZ-900 certification exam easily. What you will learn Explore cloud computing with Azure cloud Gain an understanding of the core Azure architectural components Acquire knowledge of core services and management tools on Azure Get up and running with security concepts, security operations, and protection from threats Focus on identity, governance, privacy, and compliance features Understand Azure cost management, SLAs, and service life cycles Who this book is for This Azure fundamentals book is both for those with technical backgrounds and non-technical backgrounds who want to learn and explore the field of cloud computing, especially with Azure. This book will also help anyone who wants to develop a good foundation for achieving advanced Azure certifications. There is no prerequisite for this book except a willingness to learn and explore cloud concepts and Microsoft Azure.

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