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# Architecting Microsoft Azure Solutions Exam Guide 70 535 A Complete Guide To Passing The 70 535 Architecting Microsoft Azure Solutions Exam

***Prepare for Microsoft Exam AZ-103—and help demonstrate your real-world mastery of deploying and managing infrastructure in Microsoft Azure cloud environments. 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 subscriptions and resources Implement and manage storage Deploy and manage virtual machines (VMs) Configure and manage virtual networks Manage identities 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-103 focuses on skills and knowledge*

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***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-103 earns your Microsoft Certified: Azure Administrator Associate certification, demonstrating***

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***your skills in implementing, monitoring, and maintaining Microsoft Azure solutions, including major services related to compute, storage, network, and security.***

***Prepare for Microsoft Exam 70-534--and help demonstrate your real-world mastery of Microsoft Azure solution design and architecture. 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: Describe Microsoft Azure infrastructure and networking Help secure***

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**resources Design an application storage and data  
access strategy Design an advanced application  
Design websites Design a management, monitoring,  
and business continuity strategy This Microsoft  
Exam Ref: Organizes its coverage by exam  
objectives Features strategic, what-if scenarios to  
challenge you Assumes you have experience  
designing Microsoft Azure cloud or hybrid solutions  
and supporting application life cycle management  
Prepare for Microsoft Exam 70-535-and help  
demonstrate your real-world mastery of architecting  
complete cloud solutions on the Microsoft Azure  
platform. Designed for architects and other cloud**

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**professionals ready to advance their status, Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the MCSA level. Focus on the expertise measured by these objectives: Design compute infrastructure Design data implementation Design networking implementation Design security and identity solutions Design solutions by using platform services Design for operations This Microsoft Exam Ref: Organizes its coverage by exam skills Features strategic, what-if scenarios to challenge you Includes DevOps and hybrid technologies and scenarios Assumes you have experience building**

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***infrastructure and applications on the Microsoft Azure platform, and understand the services it offers.***

***Prepare for Microsoft Exam AZ-300—and help demonstrate your real-world mastery of architecting high-value Microsoft Azure solutions for your organization or customers. Designed for modern IT professionals, this Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified Expert level. Focus on the expertise measured by these objectives: Deploy and configure infrastructure Implement workloads and security Create and***

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*deploy apps Implement authentication and secure data Develop for the cloud and for Azure storage This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Assumes you are an IT professional who wants to demonstrate your ability to design modern Microsoft Azure solutions involving compute, network, storage, and security About the Exam Exam AZ-300 focuses on knowledge needed to analyze resource usage; create and configure storage accounts and VMs; automate VM deployments and implement VM solutions; create and manage virtual networks; manage Azure AD and*



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**hybrid identities; migrate servers to Azure; configure serverless computing; implement app load balancing; integrate on-premises and virtual networks; manage RBAC; implement MFA; create web apps with PaaS; design and develop containerized apps; implement authentication and secure data solutions; build solutions with Cosmos DB or RDBMSes; configure message-based integration architecture; and develop for autoscaling. About Microsoft Certification Passing this exam and Exam AZ-301: Microsoft Azure Architect Design fulfills your requirements for the Microsoft Certified: Azure Solutions Architect**

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**Expert credential, demonstrating your expertise in  
compute, network, storage, and security for  
designing modern cloud-based solutions that run on  
Microsoft Azure. See full details at:  
[microsoft.com/learn](https://microsoft.com/learn)**

**Designing Cloud Solutions**

**Associate Exam**

**Mastering Windows Server 2016 Hyper-V**

**Architecting Microsoft Azure Solutions Study & Lab  
Guide Part 2: Exam 70-535**

**Exam Ref AZ-303 Microsoft Azure Architect  
Technologies**

**A Guide to Preparing for the AZ-303 Microsoft Azure**

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**Architect Technologies Certification Exam**  
Azure Solutions Exam

*Prepare for Exam 70-413—and help demonstrate your real-world mastery of enterprise server design and implementation. Designed for experienced, MCSA-certified professionals ready to advance their status—Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the MCSE level. Optimize your exam-prep by focusing on the expertise needed to: Plan and Deploy a Server Infrastructure Design and Implement Network Infrastructure Services Design and Implement Network Access Services Design and Implement an Active Directory Infrastructure*

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*(Logical) Design and Implement an Active  
Azure Solutions Exam  
Directory Infrastructure (Physical)*

*Your one stop guide to making the most out of  
Azure Cloud About This Book Get familiar with  
the different design patterns available in  
Microsoft Azure Develop Azure cloud  
architecture and a pipeline management system  
Get to know the security best practices for  
your Azure deployment Who This Book Is For If  
you are Cloud Architects, DevOps Engineers,  
or developers who want to learn key  
architectural aspects of the Azure Cloud  
platform, then this book is for you. Prior  
basic knowledge of the Azure Cloud platform*

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is good to have. What You Will Learn

*Familiarize yourself with the components of the Azure Cloud platform Understand the cloud design patterns Use enterprise security guidelines for your Azure deployment Design and implement Serverless solutions See Cloud architecture and the deployment pipeline Understand cost management for Azure solutions In Detail Over the years, Azure cloud services has grown quickly, and the number of organizations adopting Azure for their cloud services is also gradually increasing. Leading industry giants are finding that Azure fulfills their extensive*

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cloud requirements. This book will guide you through all the important and tough decision-making aspects involved in architecting a Azure public cloud for your organization. The book starts with an extensive introduction to all the categories of designs available with Azure. These design patterns focus on different aspects of cloud such as high availability, data management, and so on. Gradually, we move on to various aspects such as building your cloud structure and architecture. It will also include a brief description about different types of services provided by Azure, such as Azure functions

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*and Azure Analytics, which can prove beneficial for an organization. This book will cover each and every aspect and function required to develop a Azure cloud based on your organizational requirements. By the end of this book, you will be in a position to develop a full-fledged Azure cloud. Style and approach This hands-on guide to the Azure Cloud platform covers different architectural concepts and implementations necessary for any enterprise scale deployment.*

*Direct from Microsoft, this Exam Ref is the official study guide for the new Microsoft AZ-304 Microsoft Azure Architect Design*

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*certification exam. Exam Ref AZ-304 Microsoft Azure Architect Design offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on specific areas of expertise modern IT professionals need to demonstrate real-world mastery of designing architecting high-value, real-world Azure cloud applications. Coverage includes: Designing monitoring Designing identity and security Designing data storage Designing business continuity Designing infrastructure Microsoft Exam Ref publications stand apart from third-party*



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*study guides because they: Provide guidance from Microsoft, the creator of Microsoft certification exams Target IT professional-level exam candidates with content focused on their needs, not "one-size-fits-all" content Streamline study by organizing material according to the exams objective domain (OD), covering one functional group and its objectives in each chapter Feature Thought Experiments to guide candidates through a set of what if? scenarios, and prepare them more effectively for Pro-level style exam questions Explore big picture thinking around the planning and design aspects of the IT*

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pros job role For more information on Exam AZ-304 and the Microsoft Certified: Azure Solutions Architect Expert credential, visit <https://docs.microsoft.com/en-us/learn/certifications/azure-solutions-architect>.

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**MICROSOFT 70-535 ARCHITECTING MICROSOFT AZURE SOLUTIONS EXAM QUESTIONS** provided by **PREP FOR LIFE** covers all the questions that you will face in the Exam Center. It covers the latest pattern and topics that are used in Real Test. Passing **MICROSOFT 70-535 Exam Questions** with good marks and improvement of knowledge is also achieved. **Guaranteed Success with High Marks.**

**Architecting Microsoft Azure Solutions**  
Implement efficient design patterns for data management, high availability, monitoring and other popular patterns on your Azure Cloud  
**Exam Ref 70-534**

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*Designing Distributed Systems*  
Exam Ref 70-533

*Exam Ref AZ-300, Microsoft Azure Architect  
Technologies*

Microsoft Azure Architect - Exam Guide AZ-303 is a complete guide to mastering topics related to Azure Architect practices. With detailed coverage of concepts and techniques, you'll gain the knowledge and skills required to take and pass the AZ-303 exam and become a Microsoft Azure Architect expert.

Validate your AWS skills. This is your opportunity to

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take the next step in your career by expanding and validating your skills on the AWS cloud. AWS has been the frontrunner in cloud computing products and services, and the AWS Certified Solutions Architect Official Study Guide for the Associate exam will get you fully prepared through expert content, and real-world knowledge, key exam essentials, chapter review questions, access to Sybex's interactive online learning environment, and much more. This official study guide, written by AWS experts, covers exam concepts, and provides key review on exam topics, including: Mapping Multi-Tier

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Architectures to AWS Services, such as web/app servers, firewalls, caches and load balancers  
Understanding managed RDBMS through AWS RDS (MySQL, Oracle, SQL Server, Postgres, Aurora)  
Understanding Loose Coupling and Stateless Systems Comparing Different Consistency Models in AWS Services Understanding how AWS CloudFront can make your application more cost efficient, faster and secure Implementing Route tables, Access Control Lists, Firewalls, NAT, and DNS Applying AWS Security Features along with traditional Information and Application Security Using Compute,

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Networking, Storage, and Database AWS services  
Architecting Large Scale Distributed Systems  
Understanding of Elasticity and Scalability Concepts  
Understanding of Network Technologies Relating to AWS  
Deploying and Managing Services with tools such as CloudFormation, OpsWorks and Elastic Beanstalk. Learn from the AWS subject-matter experts, review with proven study tools, and apply real-world scenarios. If you are looking to take the AWS Certified Solutions Architect Associate exam, this guide is what you need for comprehensive content and robust study tools that will help you gain

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the edge on exam day and throughout your career. Prepare for Microsoft Exam 70-535—and help demonstrate your real-world mastery of architecting complete cloud solutions on the Microsoft Azure platform. Designed for architects and other cloud professionals ready to advance their status, Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the MCSA level. Focus on the expertise measured by these objectives: Design compute infrastructure Design data implementation Design networking implementation Design security and identity



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solutions Design solutions by using platform services  
Design for operations This Microsoft Exam Ref:  
Organizes its coverage by exam skills Features  
strategic, what-if scenarios to challenge you Includes  
DevOps and hybrid technologies and scenarios  
Assumes you have experience building infrastructure  
and applications on the Microsoft Azure platform,  
and understand the services it offers  
Which Microsoft Certification should you choose?  
This book give you the answers you need, so you  
can advance your career."I find this book quite useful  
based on what I have seen so far. And I believe, it's

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gonna be a good resource to learn more about the updated Microsoft certifications" - Shashi Kumar

Microsoft Certification offers learning and career growth paths for self-paced learners looking to grow their skills and stay up-to-date in the rapidly changing landscape of the Microsoft Azure cloud. What certifications are available for beginners, or experienced engineers? What about for those new to IT? What about for the experts looking to go the extra mile? Find out how to earn the certification that is best for you, your experience, and your individual career goal!

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Introducing Windows Azure for IT Professionals  
Azure DevOps Explained

Exam Ref AZ-304 Microsoft Azure Architect Design  
Certification and Beyond

Implementing Azure Cloud Design Patterns

The Ultimate Guide to Microsoft Certification

Microsoft Azure Infrastructure Services for Architects

*Exam Ref AZ-304 Microsoft Azure Architect  
Design offers professional-level preparation  
that helps candidates maximize their exam  
performance and sharpen their skills on the  
job. It focuses on specific areas of  
expertise modern IT professionals need to*

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*demonstrate real-world mastery of designing architecting high-value, real-world Azure cloud applications. Coverage includes designing monitoring, identity and security, data storage, business continuity, and infrastructure.*

*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*

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*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*

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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

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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.

Become a certified Azure Architect and learn to design effective solutions that span compute, security, networking, and development Key Features Learn to successfully design and architect powerful and cost-

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effective solutions on Microsoft Azure Prepare to gain AZ-300 certification with the help of mock tests and practice questions Enhance your computing, networking, storage, and security skills to design modern cloud-based solutions

*Book Description* From designing solutions on Azure to configuring and managing virtual networks, AZ-300 certification can help you achieve all this and more. Whether you want to get certified or gain hands-on experience in administering, developing, and architecting Azure solutions, this study guide will help you get started. The book features not only the different exam



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objectives, but also guides you through configuring, managing, securing, and architecting Azure resources. Divided into five modules, this book will systematically take you through the different concepts and features as you advance through the sections. The first module demonstrates how to deploy and configure infrastructure. You will cover techniques related to implementing workloads and security, before learning how to create and deploy apps in the next module. To build on your knowledge, the final two modules will get you up to speed with implementing authentication, data security, and

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application and platform monitoring, along with covering Azure storage, alerting, and automation strategies. Finally, you'll work through exam-based mock tests with answers to boost your confidence in passing the exam. By the end of this book, you'll have learned the concepts and techniques you need to know in order to prepare for the AZ-300 exam, along with the skills to design effective solutions on Microsoft Azure. What you will learn

- Manage Azure subscriptions and resources
- Understand how to migrate servers to Azure
- Configure and manage virtual networks
- Monitor and troubleshoot virtual network

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connectivityManage Azure Active Directory (Azure AD) Connect and implement multi-factor authenticationImplement and manage hybrid identitiesDevelop solutions that use Cosmos DB and the Azure SQL DatabaseGet to grips with implementing secure data solutionsWho this book is for This book is for solution architects and experienced developers who advise stakeholders and translate business requirements into secure, scalable, and reliable solutions. Technical architects interested in learning more about designing cloud solutions will also find this book useful. Some experience and knowledge of

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various aspects of IT operations, including networking, security, business continuity, disaster recovery, budgeting, and governance are required to grasp the concepts covered in the book effectively.

Become a certified Azure Architect and learn how to design effective solutions that span compute, security, networking, and development

*Key Features:* Discover how you can design and architect powerful and cost-effective solutions on Microsoft Azure

Prepare to achieve AZ-303 certification with the help of mock tests and practice questions

Enhance your computing, networking, storage,

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and security skills to design modern cloud-based solutions *Book Description: From designing solutions on Azure to configuring and managing virtual networks, the AZ-303 certification validates your knowledge and skills for all this and much more. Whether you want to take the certification exam or gain hands-on experience in administering, developing, and architecting Azure solutions, this study guide will help you get started. Divided into four modules, this book systematically takes you through the wide range of concepts and features covered in the AZ-303 exam. The first module demonstrates*

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how to implement and monitor infrastructure. You'll develop the skills required to deploy and manage core Azure components such as virtual machines, networking, storage, and Active Directory (AD). As you progress, you'll build on that knowledge and learn how to create resilient and secure applications before moving on to working with web apps, functions, and containers. The final module will get you up to speed with data platforms such as SQL and Cosmos DB, including how to configure the different high availability options. Finally, you'll solve mock tests and assess yourself with the answers provided to

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get ready to take the exam with confidence.

*By the end of this book, you'll have learned the concepts and techniques you need to know to prepare for the AZ-303 exam and design effective solutions on Microsoft Azure. What You Will Learn: Manage Azure subscriptions and resources Ensure governance and compliance with policies, roles, and blueprints Build, migrate, and protect servers in Azure Configure, monitor, and troubleshoot virtual networks Manage Azure AD and implement multi-factor authentication Configure hybrid integration with Azure AD Connect Find out how you can monitor costs,*

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performance, and security. Develop solutions that use Cosmos DB and Azure SQL Database. Who this book is for: This book is for solution architects and experienced developers who advise stakeholders and translate business requirements into secure, scalable, and reliable solutions. Technical architects interested in learning more about designing cloud solutions will also find this book useful. Prior experience and knowledge of various aspects of IT operations, including networking, security, business continuity, disaster recovery, budgeting, and governance, will assist with understanding the concepts



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covered in the book.

*Implementing Microsoft Azure Architect Technologies AZ-303 Exam Prep and Beyond - Second Edition*

*Designing and Implementing a Server Infrastructure*

*Azure for Architects*

*Exams AZ-303 and AZ-304*

*Microsoft Azure Architect Technologies and Design Complete Study Guide*

*Architecting Microsoft Azure Solutions Study & Lab Guide Part 1*

We're thrilled to share another free ebook with you: **Introducing Microsoft Azure**

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HDInsight, by Avkash Chauhan, Valentine Fontama, Michele Hart, Wee Hyong Tok, and Buck Woody. Here are the download links:

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Download the EPUB (8.46 MB) from

<http://aka.ms/IntroHDInsight/EPUB>

Download the MOBI (12.8 MB) from <http://aka.ms/IntroHDInsight/MOBI>

Download the code samples (6.83 KB) from <http://aka.ms/IntroHDInsight/CompContent>

Get a head start evaluating Windows Azure - with technical insights from a Microsoft

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MVP Mitch Tulloch. This guide introduces the latest features and capabilities, with scenario-based advice on how the platform can meet the needs of your business. Get the high-level overview you need to begin preparing your deployment now. Topics include: Understanding Windows Azure Compute Services Windows Azure Network Services Windows Azure Data Services Windows Azure App Services Getting Started with Windows Azure Master the Microsoft Azure platform and prepare for the AZ-304 certification exam

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by learning the key concepts needed to identify key stakeholder requirements and translate these into robust solutions Key Features Build secure and scalable solutions on the Microsoft Azure platform Learn how to design solutions that are compliant with customer requirements Work with real-world scenarios to become a successful Azure architect, and prepare for the AZ-304 exam Book Description The AZ-304 exam tests an architect's ability to design scalable, reliable, and secure solutions in Azure

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based on customer requirements. Exam Ref AZ-304 Microsoft Azure Architect Design Certification and Beyond offers complete, up-to-date coverage of the AZ-304 exam content to help you prepare for it confidently, pass the exam first time, and get ready for real-world challenges. This book will help you to investigate the need for good architectural practices and discover how they address common concerns for cloud-based solutions. You will work through the CloudStack, from identity and access through to infrastructure (IaaS),

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data, applications, and serverless (PaaS). As you make progress, you will delve into operations including monitoring, resilience, scalability, and disaster recovery. Finally, you'll gain a clear understanding of how these operations fit into the real world with the help of full scenario-based examples throughout the book. By the end of this Azure book, you'll have covered everything you need to pass the AZ-304 certification exam and have a handy desktop reference guide. What you will learn

Understand the role of

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architecture in the cloudEnsure security through identity, authorization, and governanceFind out how to use infrastructure components such as compute, containerization, networking, and storage accountsDesign scalable applications and databases using web apps, functions, messaging, SQL, and Cosmos DBMaintain operational health through monitoring, alerting, and backupsDiscover how to create repeatable and reliable automated deploymentsUnderstand customer requirements and respond to their changing

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Who this book is for This book is for Azure Solution Architects who advise stakeholders and help translate business requirements into secure, scalable, and reliable solutions. Junior architects looking to advance their skills in the Cloud will also benefit from this book. Experience with the Azure platform is expected, and a general understanding of development patterns will be advantageous. Summary Azure provides Virtual Datacenter in the Cloud. In Azure cloud you get managed resources which don't require



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skilled manpower for deployment. You can scale up or scale down resources in Virtual Datacenter on demand. You pay for what you use. Whereas on-premises Datacenter requires lot of skilled resources, time and money for deployment and management. Architecting Microsoft Azure Solutions Study & Lab Guide Part 1 prepares you for both 70-535 Exam and designing Virtual Datacenter in Azure Cloud. Coverage Includes Topic Lesson, Design Case Studies and Lab Exercises. Whether you want to get certified or learn

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designing Virtual Datacenter in Azure Cloud, this Study Guide will help you achieve your objective. Author Harinder Kohli is a Cloud and Virtual Data Center Architect Table of Contents Virtual Network Azure Compute Storage Accounts Azure Storage Virtual Machine Scale Set Azure Backup Azure Site Recovery Containers Load Balancing Virtual Networks External Connectivity Azure AD Azure AD Identity Providers Protecting Azure Resources with Azure AD Azure Key Vault Azure CDN Azure Media Services Resource

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Groups, Tags & Locks Azure Global Infrastructure Case Studies Consolidated Become a proficient Microsoft Azure solutions architect Azure certifications are critical to the millions of IT professionals Microsoft has certified as MCSE and MCSA in Windows Server in the last 20 years. All of these professionals need to certify in key Azure exams to stay current and advance in their careers. Exams AZ-303 and AZ-304 are the key solutions architect exams that experienced Windows professionals will find most

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useful at the intermediate and advanced points of their careers. Microsoft Azure Architect Technologies and Design Complete Study Guide Exams AZ-303 and AZ-304 covers the two critical Microsoft Azure exams that intermediate and advanced Microsoft IT professionals will need to show proficiency as their organizations move to the Azure cloud.

- Understand Azure
- Set up your Microsoft Cloud network
- Solve real-world problems
- Get the confidence to pass the exam

By learning all of these things plus using the Study Guide review

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questions and practice exams, the reader will be ready to take the exam and perform the job with confidence.

A guide to preparing for the AZ-300  
Microsoft Azure Architect Technologies  
certification exam

Exam Ref AZ-304 Microsoft Azure Architect  
Design

Exam Ref AZ-300 Microsoft Azure Architect  
Technologies

Microsoft Azure Architect Technologies  
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Microsoft Azure Solutions Exam Questions  
AZ-300 Azure Architecture Technologies  
Certification Exam

***Summary Azure provides Virtual Datacenter in the Cloud. In Azure cloud you get managed resources which don't require skilled manpower for deployment. You can scale up or scale down resources in Virtual Datacenter on demand. You pay for what you use. Where as on-premises Datacenter requires lot of skilled resources, time and money for deployment and management. On Premises Data Center are also hard to scale***

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***up. Architecting Microsoft Azure Solutions Study & Lab Guide Part 2 prepares you for both 70-535 Exam and designing Database & PaaS Solutions in Azure Cloud. Coverage Includes Topic Lesson, Design Case Studies and Lab Exercises. Whether you want to get certified or learn designing Database & PaaS Solutions in Azure Cloud, this Study Guide will help you achieve your objective. Author Harinder Kohli is a Cloud and Virtual Data Center Architect Sample Chapter <https://app.box.com/s/guqzrxzxnh4euc8c10qnmzzl tfmeeu4y> Table of Contents Azure SQL***

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**Database Azure MySQL and PostgreSQL  
Azure Web App Mobile Apps Hybrid  
Applications Azure Analytics Solutions Azure  
Data Services Azure IOT Solutions Azure  
Messaging Solutions Azure Serverless  
Computing Azure Service Fabric Azure  
Cosmos DB Azure Redis Cache High  
Performance Computing (HPC) Azure  
Search Operations Management Suite  
(OMS) Network Watcher Security Center  
Monitoring Solutions Azure Automation  
Case Studies Consolidated  
Microsoft Exam 70-534 is for candidates**



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***who are experienced in architecting solutions in Microsoft Azure. Candidates have experience designing cloud and hybrid solutions as well as supporting application lifecycle management. 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***

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**job-role skills. It organizes material by the exam's objective domains.**

**Get certified as an Azure architect by acing the 70-535 Architecting Microsoft Solutions (70-535) exam using this comprehensive guide with full coverage of the exam objectives**

**Key Features**

- Learn to successfully design and architect powerful solutions on the Azure Cloud platform**
- Enhance your skills with mock tests and practice questions**
- A detailed certification guide that will help you ace the 70-535 exam with confidence**

**Book Description**

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***Architecting Microsoft Azure Solutions: Exam Guide 70-535 will get Azure architects and developers up-to-date with the latest updates on Azure from an architecture and design perspective. The book includes all the topics that are still relevant from the previous 70-534 exam, and is updated with latest topics covered, including Artificial Intelligence, IoT, and architecture styles. This exam guide is divided into six parts, where the first part will give you a good understanding of how to design a compute infrastructure. It also dives into designing***

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***networking and data implementations. You will learn about designing solutions for Platform Service and operations. Next, you will be able to secure your resources and data, as well as design a mechanism for governance and policies. You will also understand the objective of designing solutions for Platform Services, by covering Artificial Intelligence, IoT, media services, and messaging solution concepts. Finally, you will cover the designing for operations objective. This objective covers application and platform monitoring, as well as***

***designing alerting strategies and operations automation strategies. By the end of the book, you'll have met all of the exam objectives, and will have all the information you need to ace the 70-535 exam. You will also have become an expert in designing solutions on Microsoft Azure. What you will learn Use Azure Virtual Machines to design effective VM deployments Implement architecture styles, like serverless computing and microservices Secure your data using different security features and design effective security strategies Design***

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***Azure storage solutions using various storage features Create identity management solutions for your applications and resources Architect state-of-the-art solutions using Artificial Intelligence, IoT, and Azure Media Services Use different automation solutions that are incorporated in the Azure platform Who this book is for This book is for architects and experienced developers, who are gearing up for the 70-535 exam. Technical architects interested in learning more about designing Cloud solutions will also find this book***

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**useful.**

**Direct from Microsoft, this Exam Ref is the official study guide for the new Microsoft AZ-303 Microsoft Azure Architect certification exam, and covers every single objective. Designed for modern IT professionals, this Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified Expert level. Focus on the expertise measured by these objectives:**  
**Deploy and configure infrastructure**  
**Implement workloads and security**  
**Create**

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***and deploy apps Implement authentication  
and secure data Develop for the cloud and  
for Azure storage***

***Implementing Microsoft Azure Architect  
Technologies: AZ-303 Exam Prep and  
Beyond***

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Azure Solutions***

***A complete guide to passing the 70-535  
Architecting Microsoft Azure Solutions exam  
Get started with Azure DevOps and develop  
your DevOps practices***

***Implementing Microsoft Azure***



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**Infrastructure Solutions**  
**Azure Solutions Exam**

**Advance Your Career Through Cloud  
Certification**

*In the race to compete in today's fast-moving markets, large enterprises are busy adopting new technologies for creating new products, processes, and business models. But one obstacle on the road to digital transformation is placing too much emphasis on technology, and not enough on the types of processes technology enables. What if different lines of business could build their own services and applications—and decision-making*

*was distributed rather than centralized? This report explores the concept of a digital business platform as a way of empowering individual business sectors to act on data in real time. Much innovation in a digital enterprise will increasingly happen at the edge, whether it involves business users (from marketers to data scientists) or IoT devices. To facilitate the process, your core IT team can provide these sectors with the digital tools they need to innovate quickly. This report explores: Key cultural and organizational changes for developing business capabilities through cross-*

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*functional product teams A platform for  
integrating applications, data sources, business  
partners, clients, mobile apps, social networks,  
and IoT devices Creating internal API programs  
for building innovative edge services in low-code  
or no-code environments Tools including  
Integration Platform as a Service, Application  
Platform as a Service, and Integration Software as  
a Service The challenge of integrating  
microservices and serverless architectures Event-  
driven architectures for processing and reacting to  
events in real time You'll also learn about a*

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*complete pervasive integration solution as a core component of a digital business platform to serve every audience in your organization.*

*Prepare for the newest versions of Microsoft Exam 70-533—and help demonstrate your real-world mastery of implementing Microsoft Azure Infrastructure as a Service (IaaS). Designed for experienced IT professionals ready to advance their status, Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the MCSA level. Focus on the expertise measured by these objectives: Design and*

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*implement Azure App Service Apps Create and manage compute resources, and implement containers Design and implement a storage strategy, including storage encryption Implement virtual networks, including new techniques for hybrid connections Design and deploy ARM Templates Manage Azure security and Recovery Services Manage Azure operations, including automation and data analysis Manage identities with Azure AD Connect Health, Azure AD Domain Services, and Azure AD single sign on This Microsoft Exam Ref: Organizes its coverage by*

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*exam objectives Features strategic, what-if scenarios to challenge you Assumes you are an IT professional with experience implementing and monitoring cloud and hybrid solutions and/or supporting application lifecycle management This book covers the 533 objectives as of December 2017. If there are updates for this book, you will find them at <https://aka.ms/examref5332E/errata>. About the Exam Exam 70-533 focuses on skills and knowledge for provisioning and managing services in Microsoft Azure, including: implementing infrastructure components such as virtual*

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*networks, virtual machines, containers, web and mobile apps, and storage; planning and managing Azure AD, and configuring Azure AD integration with on-premises Active Directory domains. About Microsoft Certification Passing this exam helps qualify you for MCSA: Cloud Platform Microsoft Certified Solutions Associate certification, demonstrating your expertise in applying Microsoft cloud technologies to reduce costs and deliver value. To earn this certification, you must also pass any one of the following exams: 70-532 Developing Microsoft Azure Solutions, or 70-534*

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*Architecting Microsoft Azure Solutions, or 70-535,  
Architecting Microsoft Azure Solutions, or 70-537:  
Configuring and Operating a Hybrid Cloud with  
Microsoft Azure Stack.*

*A hands-on guide to mastering Azure cloud design  
patterns and best practices. Key Features Master  
architectural design patterns in Azure. Get hands-  
on with implementing design patterns. Implement  
best practices for improving efficiency and  
security Book Description A well designed cloud  
infrastructure covers factors such as consistency,  
maintenance, simplified administration and*



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*development, and reusability. Hence it is important to choose the right architectural pattern as it has a huge impact on the quality of cloud-hosted services. This book covers all Azure design patterns and functionalities to help you build your cloud infrastructure so it fits your system requirements. This book initially covers design patterns that are focused on factors such as availability and data management/monitoring. Then the focus shifts to complex design patterns such as multitasking, improving scalability, valet keys, and so on, with practical use cases. The book*

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*also supplies best practices to improve the security and performance of your cloud. By the end of this book, you will thoroughly be familiar with the different design and architectural patterns available with Windows Azure and capable of choosing the best pattern for your system. What you will learn Learn to organize Azure access Design the core areas of the Azure Execution Model Work with storage and data management Create a health endpoint monitoring pattern Automate early detection of anomalies Identify and secure Azure features Who this book is for This*

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*book is targeted at cloud architects and cloud solution providers who are looking for an extensive guide to implementing different patterns for the deployment and maintenance of services in Microsoft Azure. Prior experience with Azure is required as the book is completely focused on design patterns.*

*Implement real-world DevOps and cloud deployment scenarios using Azure Repos, Azure Pipelines, and other Azure DevOps tools Key FeaturesImprove your application development life cycle with Azure DevOps in a step-by-step*

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*manner Apply continuous integration and continuous deployment to reduce application downtime Work with real-world CI/CD scenarios curated by a team of renowned Microsoft MVPs and MCTs Book Description Developing applications for the cloud involves changing development methodologies and procedures. Continuous integration and continuous deployment (CI/CD) processes are a must today, but are often difficult to implement and adopt. Azure DevOps is a Microsoft Azure cloud service that enhances your application development life cycle and*

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*enables DevOps capabilities. Starting with a comprehensive product overview, this book helps you to understand Azure DevOps and apply DevOps techniques to your development projects. You'll find out how to adopt DevOps techniques for your development processes by using built-in Azure DevOps tools. Throughout the course of this book, you'll also discover how to manage a project with the help of project management techniques such as Agile and Scrum, and then progress toward development aspects such as source code management, build pipelines, code testing and*

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*artifacts, release pipelines, and GitHub integration. As you learn how to implement DevOps practices, this book will also provide you with real-world examples and scenarios of DevOps adoption. By the end of this DevOps book, you will have learned how to adopt and implement Azure DevOps features in your real-world development processes. What you will learn*

*Get to grips with Azure DevOps*  
*Find out about project management with Azure Boards*  
*Understand source code management with Azure Repos*  
*Build and release pipelines*  
*Run quality tests in build pipelines*  
*Use*

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*artifacts and integrate Azure DevOps in the  
GitHub flowDiscover real-world CI/CD scenarios  
with Azure DevOpsWho this book is for This book  
is for developers, solutions architects, and DevOps  
engineers interested in getting started with cloud  
DevOps practices on Azure. Prior understanding of  
Azure architecture and services is necessary.  
Some knowledge of DevOps principles and  
techniques will be useful.*

*AWS Certified Solutions Architect Official Study  
Guide*

*Exam Ref AZ-103 Microsoft Azure Administrator*

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To Passing The 70 535 Architecting Microsoft  
Azure Solutions Exam  
*Architecting Microsoft Azure Solutions - Exam  
Guide 70-535*

*Exam Ref 70-535 Architecting Microsoft Azure  
Solutions*

*A guide to preparing for the AZ-303 Microsoft  
Azure Architect Technologies certification exam,  
2nd Edition*

*Microsoft Azure Architect Technologies: Exam  
Guide AZ-300*

An expert guide for IT administrators  
needing to create and manage a public  
cloud and virtual network using Microsoft



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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

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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

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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

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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 Windows Server is a multi-purpose server designed to increase reliability and flexibility of a network

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infrastructure. Windows Server is the paramount tool used by enterprises in their datacenter and desktop strategy. The most recent versions of Windows Server also provide both server and client virtualization. Its ubiquity in the enterprise results in the need for networking professionals who know how to plan, design, implement, operate, and troubleshoot networks relying on Windows Server. Microsoft Learning is preparing the next round of its Windows Server Certification program with exams covering

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the new version of the software, Windows Server 2012. The exams and certification path change significantly from the previous version of Windows Server. This provides an opportunity for the MS line to capitalize on the dual disruption of brand-new software and brand-new certifications. Azure provides Virtual Datacenter in the Cloud. You can scale up or scale down resources in your Virtual Datacenter on demand. In Azure cloud you get managed resources which don't require skilled manpower for deployment. You pay for what

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you use. Where as on premises Datacenter require lot of skilled resources, time and money for deployment and management. MCSA Cloud Infrastructure Lab Guide for 70-534 Exam prepares you for hands on experience on Azure Cloud. There are more than 70 labs. Topics Include Virtual Networks, Network Security Groups, Availability Set, Azure Compute, Azure Storage, Azure Active Directory, Backup, SQL Database, Security Center, Operations Management Suite, Web Apps and Load Balancers. Whether you want to get certified or want hands on

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experience in deploying Virtual Datacenter in Azure Cloud, this lab guide will help you achieve your objective. Author Harinder Kohli is a Cloud and Virtual Data Center Architect. Table of Contents

- Signing to Azure Cloud and Lab Tricks.
- Topologies Networking Compute Storage
- Azure Active Directory Backup SQL Database
- Security Center Operational Management Suite (OMS) Web App Load Balancing Global
- Load Balancing with Traffic Manager
- Prepare for Microsoft Exam 70-532--and help demonstrate your real-world mastery



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of Microsoft Azure solution development. Designed for experienced developers 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: Design and implement Websites Create and manage Virtual Machines Design and implement Cloud Services Design and implement a storage strategy Manage application and network services This Microsoft Exam Ref: Organizes its coverage

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by exam objectives Features strategic, what-if scenarios to challenge you Will be valuable for Microsoft Azure developers, solution architects, DevOps engineers, and QA engineers Assumes you have experience designing, programming, implementing, automating, and monitoring Microsoft Azure solutions and that you are proficient with tools, techniques, and approaches for building scalable, resilient solutions Developing Microsoft Azure Solutions About the Exam Exam 70-532 focuses on the skills and knowledge needed to develop Microsoft

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Azure solutions that include websites, virtual machines, cloud services, storage, application services, and network services. 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,

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Exam 70-413 Designing and Implementing a  
Server Infrastructure

Mcsa Cloud Infrastructure Lab Guide 70-534  
Exam

Exam 70-411 Administering Windows Server  
2012

EXAM REF 70-534

Hands-on Preparation and Practice for Exam  
AZ-300 and AZ-303

Exam Ref 70-533 Implementing Microsoft

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Azure Infrastructure Solutions

This Microsoft Official Academic Course (MOAC) IT Professional curriculum prepares certification students for success every step of the way. This 70-413 Designing and Implementing a Server Infrastructure exam course is the first of a series of two exams Microsoft Certified Solutions Associates (MCSE) candidates are required to pass to gain the MCSE: Windows Server 2012 and Windows Server 2012 R2 certification. These MCSE exams test the skills and knowledge necessary to design, implement, and maintain a Windows Server 2012 infrastructure in an enterprise scaled, highly virtualized environment. Passing these exams confirms students' ability to plan, configure,

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and implement the Windows Server 2012 services, such as server deployment, server virtualization, and network access and infrastructure. This complete ready-to-teach MOAC program is mapped to all of the exam objectives. Prove your Azure Architect Technology skills to the world About This Video Become a Microsoft Azure superhero! Prepare confidently with the complete AZ-300 Technologies course Benefit from this updated course as Microsoft changes the exam requirements over time In Detail Microsoft Azure skills are in high demand in the current business marketplace. With more than 100 data centers across 50+ regions, Microsoft is one of the largest data centers in the world. Microsoft has three certification

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tests around Azure, and passing the AZ-300 exam gives you the Microsoft Specialist: Architecting Microsoft Azure Solutions certification. In this complete preparation course for Exam AZ-300: Microsoft Azure Architect Technologies, you'll be taken through the requirements of the new AZ-300 exam section by section. While the technology world is full of buzzwords and flavors of the month, the cloud is a real paradigm shift in the way solutions are designed and architected. There are numerous reasons why you should include Azure cloud technology in the design of your solution-cost savings being the most appealing for businesses. Some companies spend millions of dollars every month on their IT infrastructure, and every

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few years that hardware needs to be repaired and upgraded. Being able to reduce capital investment and essentially rent powerful equipment on-demand makes way for cost savings. Along with it, you have the scalability, flexibility, and worldwide reach of the cloud. This course will help you get to grips with all that you need to pass the exam and achieve the certification. Moreover, you'll also find additional web-based resources in each section to help you do further research and expand your knowledge beyond the requirements of the exam. With lifetime access, this course will be ready for you when you are ready to take the exam. Enroll today! Microsoft, Windows, and Microsoft Azure are either registered



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Use this invaluable study companion and hands-on guide to help you prepare for the AZ-300 and AZ-303 certification exam and get well on your way to becoming an Azure Solutions Architect. The book starts with an

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overview of public, private, and hybrid clouds and then goes into configuration of virtual machines. Azure Resource Manager (ARM) and VM encryption are discussed along with Azure Monitor. You will learn how to work with Azure recommendations and analyze your resource configuration. Storage solutions, connecting to networks, and Azure Active Directory are discussed in depth, with examples. You will be able to migrate servers to Azure and demonstrate server-less computing, load balancing, and app services in Azure. You also will learn about Service Fabric, Azure Kubernetes services, and data security in Azure. Cosmos DB and Relational DB are covered and you will know how to connect to cloud

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databases using SQL Server Management Studio (SSMS). The book presents exercises, practice questions, and Azure architecture best practices. What Will You Learn Be able to speak with customers, understand their infrastructure, and provide a blueprint to migrate their framework to Azure Go beyond moving on-premise frameworks to Azure and design solutions on Azure from the start Know Azure architecture best practices to optimize Azure deployments Complete practice exercises to prepare for exam lab assignments Take a mock exam for practice Who This Book Is For Azure developers, Azure Solution Architects, and those aspiring to fill these roles, who possess some familiarity with cloud computing

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are an IT professional who wants to demonstrate your ability to design modern Microsoft Azure solutions involving compute, network, storage, and security About the Exam Exam AZ-303 focuses on knowledge needed to analyze resource usage; create and configure storage accounts and VMs; automate VM deployments and implement VM solutions; create and manage virtual networks; manage Azure AD and hybrid identities; migrate servers to Azure; configure serverless computing; implement app load balancing; integrate on-premises and virtual networks; manage RBAC; implement MFA; create web apps with PaaS; design and develop containerized apps; implement authentication and secure data solutions;

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build solutions with Cosmos DB or RDBMSes; configure message-based integration architecture; and develop for autoscaling. About Microsoft Certification Passing this exam fulfills your Azure Solutions Architect Associate certification, demonstrating your expertise in compute, network, storage, and security for designing modern cloud-based solutions that run on Microsoft Azure. See full details at: [microsoft.com/learn](https://microsoft.com/learn).

Exam Ref 70-532 Developing Microsoft Azure Solutions

Exam Ref MCSE 70-413

Design secure and reliable solutions for the real world in Microsoft Azure

Exam 70-535

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Implementing cloud design, DevOps, IoT, and serverless solutions on your public cloud

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Assumes you are an IT professional who wants to demonstrate your ability to design modern Microsoft Azure solutions involving compute, network, storage, and security About the Exam Exam AZ-300 focuses on knowledge needed to analyze resource usage; create and configure storage accounts and VMs; automate VM deployments and implement VM solutions; create and manage virtual networks; manage Azure AD and hybrid identities; migrate servers to Azure; configure serverless computing; implement app load balancing; integrate on-premises and virtual networks; manage RBAC;



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implement MFA; create web apps with PaaS; design and develop containerized apps; implement authentication and secure data solutions; build solutions with Cosmos DB or RDBMSes; configure message-based integration architecture; and develop for autoscaling. About Microsoft Certification Passing this exam and Exam AZ-301: Microsoft Azure Architect Design fulfills your requirements for the Microsoft Certified: Azure Solutions Architect Expert credential, demonstrating your expertise in compute, network, storage, and security for designing modern cloud-based solutions that run on Microsoft Azure. See full details at: [microsoft.com/learn](https://microsoft.com/learn). Exam Ref 70-534 Architecting Microsoft Azure

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Patterns and Paradigms for Scalable, Reliable Services  
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First Edition