

Modern Authentication With Azure Active Directory For Web Applications (Developer Reference (Paperback))

Prepare for Microsoft Exam MS-101—and help demonstrate your real-world mastery of skills and knowledge needed to manage Microsoft 365 mobility, security, and related administration tasks. Designed for experienced IT professionals, 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:

- Implement modern device services*
- Implement Microsoft 365 security and threat management*
- Manage Microsoft 365 governance and compliance*

This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Assumes you are a Microsoft 365 Enterprise Administrator who participates in evaluating, planning, migrating, deploying, and managing Microsoft 365 services About the Exam Exam MS-101 focuses on knowledge needed to implement Mobile Device Management (MDM); manage device compliance; plan for devices and apps; plan Windows 10 deployment; implement Cloud App Security (CAS), threat management,

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and Windows Defender Advanced Threat Protection (ATP); manage security reports and alerts; configure Data Loss Prevention (DLP); implement Azure Information Protection (AIP); and manage data governance, auditing, and eDiscovery. About Microsoft Certification Passing this exam and Exam MS-100 Microsoft 365 Identity and Services (and earning one Microsoft 365 workload administrator certification or the MCSE: Productivity certification) fulfills your requirements for the Microsoft 365 Certified: Enterprise Administrator Expert certification credential. This demonstrates your ability to evaluate, plan, migrate, deploy, and manage Microsoft 365 services. See full details at: microsoft.com/learn

As systems have become interconnected and more complicated, programmers needed ways to identify parties across multiple computers. One way to do this was for the parties that used applications on one computer to authenticate to the applications (and/or operating systems) that ran on the other computers. This mechanism is still widely used—for example, when logging on to a great number of Web sites. However, this approach becomes unmanageable when you have many co-operating systems (as is the case, for example, in the enterprise). Therefore, specialized services were invented that would register and authenticate users, and subsequently provide claims about them to

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interested applications. Some well-known examples are NTLM, Kerberos, Public Key Infrastructure (PKI), and the Security Assertion Markup Language (SAML). Most enterprise applications need some basic user security features. At a minimum, they need to authenticate their users, and many also need to authorize access to certain features so that only privileged users can get to them. Some apps must go further and audit what the user does. On Windows®, these features are built into the operating system and are usually quite easy to integrate into an application. By taking advantage of Windows integrated authentication, you don't have to invent your own authentication protocol or manage a user database. By using access control lists (ACLs), impersonation, and features such as groups, you can implement authorization with very little code. Indeed, this advice applies no matter which OS you are using. It's almost always a better idea to integrate closely with the security features in your OS rather than reinventing those features yourself. But what happens when you want to extend reach to users who don't happen to have Windows accounts? What about users who aren't running Windows at all? More and more applications need this type of reach, which seems to fly in the face of traditional advice. This book gives you enough information to evaluate claims-based identity as a possible option when you're planning a new application or

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making changes to an existing one. It is intended for any architect, developer, or information technology (IT) professional who designs, builds, or operates Web applications and services that require identity information about their users.

“If you have any interest in writing .NET programs using Active Directory or ADAM, this is the book you want to read.” —Joe Richards, Microsoft MVP,

directory services Identity and Access

Management are rapidly gaining importance as key areas of practice in the IT industry, and directory services provide the fundamental

building blocks that enable them. For enterprise developers struggling to build directory-enabled .NET applications, The .NET Developer’s Guide to

Directory Services Programming will come as a

welcome aid. Microsoft MVPs Joe Kaplan and Ryan Dunn have written a practical introduction to programming directory services, using both

versions 1.1 and 2.0 of the .NET Framework. The extensive examples in the book are in C#; a companion Web site includes both C# and Visual

Basic source code and examples. Readers will

Learn to create, rename, update, and delete

objects in Active Directory and ADAM Learn to

bind to and search directories effectively and

efficiently Learn to read and write attributes of all

types in the directory Learn to use directory

services within ASP.NET applications Get concrete examples of common programming tasks such as

managing Active Directory and ADAM users and

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groups, and performing authentication

Experienced .NET developers—those building enterprise applications or simply interested in learning about directory services—will find that *The .NET Developer's Guide to Directory Services Programming* unravels the complexities and helps them to avoid the common pitfalls that developers face.

Start empowering users and protecting corporate data, while managing identities and access with Microsoft Azure in different environments

Key Features

- Understand how to identify and manage business drivers during transitions
- Explore Microsoft Identity and Access Management as a Service (IDaaS) solution
- Over 40 playbooks to support your learning process with practical guidelines

Book Description Microsoft Azure and its Identity and access management are at the heart of Microsoft's software as service products, including Office 365, Dynamics CRM, and Enterprise Mobility Management. It is crucial to master Microsoft Azure in order to be able to work with the Microsoft Cloud effectively. You'll begin by identifying the benefits of Microsoft Azure in the field of identity and access management. Working through the functionality of identity and access management as a service, you will get a full overview of the Microsoft strategy. Understanding identity synchronization will help you to provide a well-managed identity. Project scenarios and examples will enable you to

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understand, troubleshoot, and develop on essential authentication protocols and publishing scenarios. Finally, you will acquire a thorough understanding of Microsoft Information protection technologies. What you will learn

Apply technical descriptions to your business needs and deployments

Manage cloud-only, simple, and complex hybrid environments

Apply correct and efficient monitoring and identity protection strategies

Design and deploy custom Identity and access management solutions

Build a complete identity and access management life cycle

Understand authentication and application publishing mechanisms

Use and understand the most crucial identity synchronization scenarios

Implement a suitable information protection strategy

Who this book is for This book is a perfect companion for developers, cyber security specialists, system and security engineers, IT consultants/architects, and system administrators who are looking for perfectly up-to-date hybrid and cloud-only scenarios. You should have some understanding of security solutions, Active Directory, access privileges/rights, and authentication methods. Programming knowledge is not required but can be helpful for using PowerShell or working with APIs to customize your solutions.

Real-Time Web Application Development
Building Secure Systems in Untrusted Networks
Demystifying OAuth 2.0, OpenID Connect, and

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SAML 2.0

Enterprise Cloud epUB _1

With ASP.NET Core, SignalR, Docker, and Azure Zero Trust Networks

Microsoft Azure Essentials from Microsoft Press is a series of free ebooks designed to help you advance your technical skills with Microsoft Azure. The second ebook in the series, Microsoft Azure Essentials: Azure Automation, introduces a fairly new feature of Microsoft Azure called Azure Automation. Using a highly scalable workflow execution environment, Azure Automation allows you to orchestrate frequent deployment and life cycle management tasks using runbooks based on Windows PowerShell Workflow functionality. These runbooks are stored in and backed up by Azure. By automating runbooks, you can greatly minimize the occurrence of errors when carrying out repeated tasks and process automation. Watch Microsoft Press's blog and Twitter (@MicrosoftPress) to learn about other free ebooks in the Microsoft Azure Essentials series.

Implement real-world DevOps and cloud deployment scenarios using Azure Repos, Azure Pipelines, and other Azure DevOps tools
Key Features
Improve your application development life cycle with Azure DevOps in a step-by-step 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 enables DevOps capabilities. Starting with a comprehensive product overview, this book helps you to understand Azure DevOps and apply DevOps techniques to your

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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 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 artifacts and integrate Azure DevOps in the GitHub flow
Discover real-world CI/CD scenarios with Azure DevOps

Who 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.

Design, develop, and deploy a real-world web application by leveraging modern open source technologies. This book shows you how to use ASP.NET Core to build cross-platform web applications along with SignalR to enrich the application by enabling real-time communication between server and clients. You will use Docker to containerize your application, integrate with GitHub to package the application, and provide continuous deployment to Azure's IaaS platform. Along the way, Real-Time Web Application Development covers topics including designing a Materialize CSS theme, using a test-driven development approach with xUnit.net, and securing your application with the OAuth 2.0 protocol. To further your

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understanding of the technology, you will learn logging and exception handling; navigation using view components; and how to work with forms and validations. The rich code samples from this book can be used to retrofit or upgrade existing ASP.NET Core applications. What You Will Learn Design and develop a real-world web application Implement security and data storage with OAuth2 and Azure Table Storage Orchestrate real-time notifications through SignalR Use GitHub and Travis CI for continuous integration of code Master Docker containerization and continuous deployment with Docker Cloud to Azure Linux virtual machines Who This Book Is For Developers and software engineers interested in learning an end-to-end approach to application development using Microsoft technologies.

Learn to leverage the advanced capabilities of Keycloak, an open-source identity and access management solution, to enable authentication and authorization in applications Key Features Get up to speed with Keycloak, OAuth 2.0, and OpenID Connect using practical examples Configure, manage, and extend Keycloak for optimized security Leverage Keycloak features to secure different application types Book Description Implementing authentication and authorization for applications can be a daunting experience, often leaving them exposed to security vulnerabilities. Keycloak is an open-source solution for identity management and access management for modern applications, which can make a world of difference if you learn how to use it. Keycloak, helping you get started with using it and securing your applications. Complete with hands-on tutorials, best practices, and self-assessment questions, this easy-to-follow guide will show you how to secure a sample application and then move on to securing different application types. As you progress, you will understand how to configure and manage Keycloak as well as how to leverage some of its more advanced capabilities. Finally, you'll gain insights into securely using Keycloak in production. By the end of this book, you will have learned how to install and manage Keycloak as well as how to

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secure new and existing applications. What you will learn
Understand how to install, configure, and manage Keycloak
Secure your new and existing applications with Keycloak
Gain a basic understanding of OAuth 2.0 and OpenID Connect
Understand how to configure Keycloak to make it ready for production use
Discover how to leverage additional features and how to customize Keycloak to fit your needs
Get to grips with securing Keycloak servers and protecting applications
Who this book is for
Developers, sysadmins, security engineers, or anyone who wants to leverage Keycloak and its capabilities for application security will find this book useful. Beginner-level knowledge of app development and authentication and authorization is expected.

Office 365 Essentials

Microsoft Azure Essentials Azure Automation

Implementing Microsoft Dynamics 365 for Finance and Operations

Microsoft Azure Security Center

Authentication and Authorization for Services and the Web

Covers Microsoft Graph, Office 365 applications, SharePoint Add-ins, Office 365 Groups, and more

This practical guide employs real-world use cases and deployment methods to address the threat vectors and mitigation techniques to secure 5G networks. 5G is a disruptive technology not only because it has the potential to support millions of devices at ultrafast speeds, but also because it has the potential to transform the lives of people around the world by improving mission-critical services that affect the safety and security of different services. 5G is susceptible to many of the cybersecurity risks found in today's existing telecom networks but also to new avenues of attack against core network services due to its complex ecosystem of

technologies, stakeholders and operations, which include containerized networks, multi-access edge compute (MEC) deployments, services-based architecture, introduction of API interfaces and new use cases catering to enterprise, industrial, health and IoT services. Due to the critical services being provided by 5G and its increased threat surfaces, having a solid security architecture to detect and mitigate these threats is very important. Security is always an important area, especially as it relates to emerging technologies, but it is often the last aspect to be covered. This book is an essential guide to different deployment methods, threat surfaces based on those deployment scenarios, and methods to mitigate them efficiently. It is also a critical resource for any individual or enterprise (from any industrial sector) planning to evolve towards 5G technology and anyone designing 5G networks because it addresses the security implications up front. Get up to speed with expert tips and techniques to help you prepare effectively for the MS-500 Exam Key Features Get the right guidance and discover techniques to improve the effectiveness of your studying and prepare for the exam Explore a wide variety of strategies for security and compliance Gain knowledge that can be applied in real-world situations

Book Description The Microsoft 365 Security Administration (MS-500) exam is designed to measure your ability to perform technical tasks such as managing, implementing, and monitoring security and compliance solutions for Microsoft 365

environments. This book starts by showing you how to configure and administer identity and access within Microsoft 365. You will learn about hybrid identity, authentication methods, and conditional access policies with Microsoft Intune. Next, the book shows you how RBAC and Azure AD Identity Protection can be used to help you detect risks and secure information in your organization. You will also explore concepts, such as Advanced Threat Protection, Windows Defender ATP, and Threat Intelligence. As you progress, you will learn about additional tools and techniques to configure and manage Microsoft 365, including Azure Information Protection, Data Loss Prevention, and Cloud App Discovery and Security. The book also ensures you are well prepared to take the exam by giving you the opportunity to work through a mock paper, topic summaries, illustrations that briefly review key points, and real-world scenarios. By the end of this Microsoft 365 book, you will be able to apply your skills in the real world, while also being well prepared to achieve Microsoft certification. What you will learn
Get up to speed with implementing and managing identity and access
Understand how to employ and manage threat protection
Get to grips with managing governance and compliance features in Microsoft 365
Explore best practices for effective configuration and deployment
Implement and manage information protection
Prepare to pass the Microsoft exam and achieve certification with the help of self-assessment questions and a mock

examWho this book is for This Microsoft certification book is designed to help IT professionals, administrators, or anyone looking to pursue a career in security administration by becoming certified with Microsoft's role-based qualification. Those trying to validate their skills and improve their competitive advantage with Microsoft 365 Security Administration will also find this book to be a useful resource.

Explore tools for integrating resources and applications with Azure Active Directory for authentication and authorization. This book starts with an introduction to Azure Active Directory (AAD) where you will learn the core concepts necessary to understand AAD and authentication in general. You will then move on to learn OpenID Connect and OAuth along with its flows, followed by a deep dive into the integration of web applications for user-based authentication. Next, you go through user authentication and how to enable the integration of various native applications with AAD. This is followed by an overview of authenticating applications along with a detailed discussion on collaboration with external users and other AD tenants. Moving forward, Developing Applications with Azure Active Directory covers using schemas of AD objects, such as users, to add custom attributes on top of ADD's predefined attributes. You will see how multi-tenancy can be supported in Azure AD as well as how to design authorization with Azure AD. After reading this book, you will be able to integrate,

design, and develop authentication and authorization techniques in Azure Active Directory. What You Will Learn
Integrate applications with Azure AD for authentication
Explore various Azure AD authentication scenarios
Master core Azure AD concepts
Integrate external users and tenants
Who is this book for: The book will be useful for architects and developers, planning to use Azure AD for authentication.

Protect your organization from scandalously easy-to-hack MFA security “solutions”
Multi-Factor Authentication (MFA) is spreading like wildfire across digital environments. However, hundreds of millions of dollars have been stolen from MFA-protected online accounts. How? Most people who use multifactor authentication (MFA) have been told that it is far less hackable than other types of authentication, or even that it is unhackable. You might be shocked to learn that all MFA solutions are actually easy to hack. That’s right: there is no perfectly safe MFA solution. In fact, most can be hacked at least five different ways. Hacking Multifactor Authentication will show you how MFA works behind the scenes and how poorly linked multi-step authentication steps allows MFA to be hacked and compromised. This book covers over two dozen ways that various MFA solutions can be hacked, including the methods (and defenses) common to all MFA solutions. You’ll learn about the various types of MFA solutions, their strengths and weaknesses, and how to pick the best, most

defensible MFA solution for your (or your customers') needs. Finally, this book reveals a simple method for quickly evaluating your existing MFA solutions. If using or developing a secure MFA solution is important to you, you need this book. Learn how different types of multifactor authentication work behind the scenes See how easy it is to hack MFA security solutions—no matter how secure they seem Identify the strengths and weaknesses in your (or your customers') existing MFA security and how to mitigate Author Roger Grimes is an internationally known security expert whose work on hacking MFA has generated significant buzz in the security world. Read this book to learn what decisions and preparations your organization needs to take to prevent losses from MFA hacking.

Microsoft Identity and Access Administrator Exam Guide

Azure for Architects

Actionable, proven solutions to identity management and authentication on servers and in the cloud Exam Ref MS-101 Microsoft 365 Mobility and Security

Get started with Azure DevOps and develop your DevOps practices

Microsoft 365 Security Administration: MS-500 Exam Guide

Leverage Office 365 data and services in powerful custom solutions Learn how to develop custom solutions that access and interact with Office 365 data from your own

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apps on practically any mobile, web, or desktop platform.

Paolo Pialorsi offers practical, code-rich coverage of every key aspect of Office 365 development, walking you through building a complete start-to-finish solution.

You'll learn how to use the new Microsoft Graph API to integrate users' mail, calendars, contacts, groups, files, folders, and more. Leveraging Microsoft APIs at the REST level, you'll discover how to create Office 365 solutions for Windows Universal, iOS, or Android devices and target nearly any other modern platform. Top

Microsoft developer Paolo Pialorsi shows you how to Understand the Office 365 ecosystem from functional and developer perspectives Set up your Office 365

development environment Develop Office 365

applications, Office Add-ins, and SharePoint Add-ins

Invoke Microsoft Graph API endpoints from any platform via bare HTTP requests Authenticate users against online

tenants with Microsoft Azure Active Directory Use Mail services to manage Microsoft Exchange Online mailboxes

Browse, create, update, and manage Office 365 Groups

Use File services to consume and manage files on

Microsoft OneDrive for Business Make the most of the

Microsoft Graph SDK for .NET Manage common tasks via the SharePoint REST API Create and publish Office 365

applications and add-ins In addition, this book is part of the Current Book Service from Microsoft Press. Books in

this program will receive periodic updates to address significant software changes for 12 to 18 months

following the original publication date via a free Web

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Edition. Learn more at

<https://www.microsoftpressstore.com/cbs>.

Become an expert at managing enterprise identity infrastructure with Active Directory Domain Services 2022 Key Features Design and update your identity infrastructure by utilizing the latest Active Directory features and core capabilities Overcome migration challenges as you update to Active Directory Domain Services 2022 Establish a strong identity foundation in the cloud by consolidating secure access Book Description Mastering Active Directory, Third Edition is a comprehensive guide for Information Technology professionals looking to improve their knowledge about MS Windows Active Directory Domain Service. The book will help you to use identity elements effectively and manage your organization's infrastructure in a secure and efficient way. This third edition has been fully updated to reflect the importance of cloud-based strong authentication and other tactics to protect identity infrastructure from emerging security threats. Mastering Active Directory, Third Edition provides extensive coverage of AD Domain Services and helps you explore their capabilities as you update to Windows Server 2022. This book will also teach you how to extend on-premises identity presence to cloud via Azure AD hybrid setup. By the end of this Microsoft Active Directory book, you'll feel confident in your ability to design, plan, deploy, protect, and troubleshoot your enterprise identity infrastructure. What you will learn Install, protect, and manage Active

Directory Domain Services (Windows Server 2022) Design your hybrid identity by evaluating business and technology requirements Automate administrative tasks in Active Directory using Windows PowerShell 7.x Protect sensitive data in a hybrid environment using Azure Information Protection Learn about Flexible Single Master Operation (FSMO) roles and their placement Manage directory objects effectively using administrative tools and PowerShell Centrally maintain the state of user and computer configuration by using Group Policies Harden your Active Directory using security best practices Who this book is for If you are an Active Directory administrator, system administrator, or IT professional who has basic knowledge of Active Directory and is looking to become an expert in this topic, this book is for you. You need to have some experience of working with Active Directory to make the most of this book.

How do you start? How should you build a plan for cloud migration for your entire portfolio? How will your organization be affected by these changes? This book, based on real-world cloud experiences by enterprise IT teams, seeks to provide the answers to these questions. Here, you'll see what makes the cloud so compelling to enterprises; with which applications you should start your cloud journey; how your organization will change, and how skill sets will evolve; how to measure progress; how to think about security, compliance, and business buy-in; and how to exploit the ever-growing feature set that the

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cloud offers to gain strategic and competitive advantage.

Step-by-step exam guide to learn Microsoft Azure

Administration with hands-on labs. KEY FEATURES Well-

organized and detailed coverage for passing the Azure

Administrator Exam. Gain proficiency in analyzing

resource utilization and consumption. Explore how to

manage resource groups and establish storage accounts.

Expert-led designed and scenario-focused questions and

answers. DESCRIPTION The Azure administrator is a

new way to learn and develop the Microsoft Azure skills,

and it helps you to grow your career in the cloud era. In

this book, you will learn about the basic and advance

concepts of the Azure administration. You will also learn

how to use the Azure active directory user management

and how to sync your on-premises active directory with

the Azure directory. This book also explains concepts like

the Azure Virtual machine, Azure storage account, and

Azure networking with an exam-based scenario. At the

end the book explains Azure monitor, Azure networking,

on-premises to Azure connectivity using the site-to-site

connection or through EXPRESS ROUTE along with the

Disaster and Backup recovery option. This book covers a

full chapter of Exam Preparation Guidelines and

scenarios-based questions that will help readers in their

exam preparations. WHAT YOU WILL LEARN Efficient

use of Azure components with conceptual-based learning

on Azure services. Step-by-step implementation of routine

Azure administration tasks. Exciting examples and

illustrations on using Azure active directory and other

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utilities. Smart coverage on Azure virtual machine, Azure storage account, and Azure networking. WHO THIS BOOK IS FOR This book is for all system administration roles or anyone seeking to successfully pass the Azure Administration certification exam and become a true professional Azure Administrator. To make the best of this book, we expect you to be familiar with PowerShell and CLI. TABLE OF CONTENTS

- 1.Implement and manage the hybrid identities*
- 2.Managing Role assignment through the RBAC Policy*
- 3.Azure Subscription and Resources Group Management*
- 4.Managing and Configuration of the Storage Accounts*
- 5.Manage data in the Azure Storage*
- 6.Configure the Azure File*
- 7.Create and configure a VM*
- 8.Automate the deployment of the VMs*
- 9.Create and configure the containers*
- 10.Create and configure the Web Apps*
- 11.Configure the Virtual Networking and Integrate an on-premises to the Azure Network*
- 12.Configure the load balancing*
- 14.Secure access to the virtual networks*
- 15.Monitor and troubleshoot virtual networking*
- 16.Analyze resource utilization and consumption*
- 17.Implement backup and recovery*
- 18.Exam Guidelines and Assessment*

The essential handbook to cloud transformation with Azure, 4th Edition

Keycloak - Identity and Access Management for Modern Applications

Briggs

Active Directory

Design, deploy, and protect Active Directory Domain

Services for Windows Server 2022

Best Practices for DevOps, Data Storage, High Availability, and More

Learn the intricacies of managing Azure AD, Azure AD Connect as well as Active Directory for administration on cloud and Windows Server 2019 Key Features Expert solutions for the federation, certificates, security, and monitoring with Active Directory Explore Azure AD and AD Connect for effective administration on cloud Automate security tasks using Active Directory and PowerShell Book Description Active Directory is an administration system for Windows administrators to automate network, security and access management tasks in the Windows infrastructure. This book starts off with a detailed focus on forests, domains, trusts, schemas and partitions. Next, you learn how to manage domain controllers, organizational units and the default containers. Going forward, you deep dive into managing Active Directory sites as well as identifying and solving replication problems. The next set of chapters covers the different components of Active Directory and discusses the management of users, groups and computers. You also go through recipes that help you manage your Active Directory

domains, manage user and groups objects and computer accounts, expiring group memberships and group Managed Service Accounts with PowerShell. You learn how to work with Group Policy and how to get the most out of it. The last set of chapters covers federation, security and monitoring. You will also learn about Azure Active Directory and how to integrate on-premises Active Directory with Azure AD. You learn how Azure AD Connect synchronization works, which will help you manage Azure AD. By the end of the book, you have learned in detail about Active Directory and Azure AD, too. What you will learn

Manage new Active Directory features, such as the Recycle Bin, group Managed Service Accounts, and fine-grained password policies

Work with Active Directory from the command line and use Windows PowerShell to automate tasks

Create and remove forests, domains, and trusts

Create groups, modify group scope and type, and manage memberships

Delegate control, view and modify permissions

Optimize Active Directory and Azure AD in terms of security

Who this book is for This book will cater to administrators of existing Active Directory Domain Services environments and/or Azure AD tenants, looking for guidance to optimize

their day-to-day effectiveness. Basic networking and Windows Server Operating System knowledge would come in handy. Know how to design and use identity management to protect your application and the data it manages. At a time when security breaches result in increasingly onerous penalties, it is paramount that application developers and owners understand identity management and the value it provides when building applications. This book takes you from account provisioning to authentication to authorization, and covers troubleshooting and common problems to avoid. The authors include predictions about why this will be even more important in the future. Application best practices with coding samples are provided. Solving Identity and Access Management in Modern Applications gives you what you need to design identity and access management for your applications and to describe it to stakeholders with confidence. You will be able to explain account creation, session and access management, account termination, and more. What You'll Learn Understand key identity management concepts Incorporate essential design principles Design authentication and access control for a modern application Know

the identity management frameworks and protocols used today (OIDC/ OAuth 2.0, SAML 2.0) Review historical failures and know how to avoid them Who This Book Is For Developers, enterprise or application architects, business application or product owners, and anyone involved in an application's identity management solution Summary OAuth 2 in Action teaches you the practical use and deployment of this HTTP-based protocol from the perspectives of a client, authorization server, and resource server. You'll learn how to confidently and securely build and deploy OAuth on both the client and server sides. Foreword by Ian Glazer. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Think of OAuth 2 as the web version of a valet key. It is an HTTP-based security protocol that allows users of a service to enable applications to use that service on their behalf without handing over full control. And OAuth is used everywhere, from Facebook and Google, to startups and cloud services. About the Book OAuth 2 in Action teaches you practical use and deployment of OAuth 2 from the perspectives of a client, an authorization server, and a

resource server. You'll begin with an overview of OAuth and its components and interactions. Next, you'll get hands-on and build an OAuth client, an authorization server, and a protected resource. Then you'll dig into tokens, dynamic client registration, and more advanced topics. By the end, you'll be able to confidently and securely build and deploy OAuth on both the client and server sides. What's Inside Covers OAuth 2 protocol and design Authorization with OAuth 2 OpenID Connect and User-Managed Access Implementation risks JOSE, introspection, revocation, and registration Protecting and accessing REST APIs About the Reader Readers need basic programming skills and knowledge of HTTP and JSON. About the Author Justin Richer is a systems architect and software engineer. Antonio Sanso is a security software engineer and a security researcher. Both authors contribute to open standards and open source. Table of Contents Part 1 - First steps What is OAuth 2.0 and why should you care? The OAuth dance Part 2 - Building an OAuth 2 environment Building a simple OAuth client Building a simple OAuth protected resource Building a simple OAuth authorization server OAuth 2.0 in the real world Part 3 - OAuth 2 implementation and

vulnerabilities Common client vulnerabilities Common protected resources vulnerabilities Common authorization server vulnerabilities Common OAuth token vulnerabilities Part 4 - Taking OAuth further OAuth tokens Dynamic client registration User authentication with OAuth 2.0 Protocols and profiles using OAuth 2.0 Beyond bearer tokens Summary and conclusions

Leverage Office 365 to increase your organization's efficiency by managing users, domains, licenses, and much more in your organization with most powerful subscription software. Key Features Get acquainted with the basics of Office 365 Configure and manage workloads efficiently using Office 365 A comprehensive guide covering every aspect of planning, and managing this multifaceted collaboration system. Book Description Office 365 is suite of advanced collaboration tools used by many well known organizations and their system administrators. This book starts with an introduction to Office 365 and its basic fundamentals. Then we move towards workload management and deployment. You will delve into identities, authentications, and managing office 365. We also cover concepts such as collaboration with Microsoft teams

and tools such as Delve and Skype for collaboration. Towards the end of the book, you'll master monitoring and security concepts. By the end of this book, you will have hands-on experience working with Office 365 and its collaboration tools and services

What you will learn

- Learn how to implement Office 365 from scratch and how to use best practices to be a successful Office 365 professional**
- Understand Microsoft productivity services to take your organization or business to the next level by increasing productivity. Learn how workloads and applications interact and integrate with each other**
- Learn to manage Skype for Business Online**
- Get support and monitor service health with Office 365**
- Manage and administer identities and groups efficiently**

Who this book is for

If you are working as a system administration or an IT professional and are keen to learn the fundamentals of Office 365, then this book is for you. No prior knowledge of office 365 is necessary.

The .NET Developer's Guide to Directory Services Programming

Exam Ref AZ-304 Microsoft Azure Architect Design

Implement IAM solutions with Azure AD, build an identity governance strategy, and pass

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the SC-300 exam

Mastering Identity and Access Management with Microsoft Azure

Modern Mobility with Microsoft Windows 10 and Windows Server 2022

Microsoft Azure Essentials - Fundamentals of Azure

Start empowering users and protecting corporate data, while managing Identities and Access with Microsoft Azure in different environments About This Book Deep dive into the Microsoft Identity and Access Management as a Service (IDaaS) solution Design, implement and manage simple and complex hybrid identity and access management environments Learn to apply solution architectures directly to your business needs and understand how to identify and manage business drivers during transitions Who This Book Is For This book is for business decision makers, IT consultants, and system and security engineers who wish to plan, design, and implement Identity and Access Management solutions with Microsoft Azure. What You Will Learn Apply technical descriptions and solution architectures directly to your business needs and deployments Identify and manage business drivers and architecture changes to transition between different scenarios Understand and configure all relevant Identity and Access Management key features and concepts Implement simple and complex directory integration, authentication, and authorization scenarios Get to know about modern identity management, authentication, and authorization

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protocols and standards Implement and configure a modern information protection solution Integrate and configure future improvements in authentication and authorization functionality of Windows 10 and Windows Server 2016 In Detail Microsoft Azure and its Identity and Access Management is at the heart of Microsoft's Software as a Service, including Office 365, Dynamics CRM, and Enterprise Mobility Management. It is an essential tool to master in order to effectively work with the Microsoft Cloud. Through practical, project based learning this book will impart that mastery. Beginning with the basics of features and licenses, this book quickly moves on to the user and group lifecycle required to design roles and administrative units for role-based access control (RBAC). Learn to design Azure AD to be an identity provider and provide flexible and secure access to SaaS applications. Get to grips with how to configure and manage users, groups, roles, and administrative units to provide a user- and group-based application and self-service access including the audit functionality. Next find out how to take advantage of managing common identities with the Microsoft Identity Manager 2016 and build cloud identities with the Azure AD Connect utility. Construct blueprints with different authentication scenarios including multi-factor authentication. Discover how to configure and manage the identity synchronization and federation environment along with multi -factor authentication, conditional access, and information protection scenarios to apply the required security functionality. Finally, get recommendations for planning and implementing a future-

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oriented and sustainable identity and access management strategy. Style and approach A practical, project-based learning experience explained through hands-on examples.

Implement and support Windows 10 Always On VPN, the successor to Microsoft's popular DirectAccess. This book teaches you everything you need to know to test and adopt the technology at your organization that is widely deployed around the world. The book starts with an introduction to Always On VPN and discusses fundamental concepts and use cases to compare and contrast it with DirectAccess. You will learn the prerequisites required for implementation and deployment scenarios. The book presents the details of recommended VPN protocols, client IP address assignment, and firewall requirements. Also covered is how to configure Routing and Remote Access Service (RRAS) along with security and performance optimizations. The Configuration Service Provider (CSP) is discussed, and you will go through provisioning Always On VPN to Windows 10 clients using PowerShell and XML as well as Microsoft Intune. Details about advanced client configuration and integration with Azure security services are included. You will know how to implement Always On VPN infrastructure in a redundant and highly available (HA) configuration, and guidance for ongoing system maintenance and operational support for the VPN and NPS infrastructure is provided. And you will know how to diagnose and troubleshoot common issues with Always On VPN. After reading this book, you will be able to plan, design, and implement a Windows 10

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Always On VPN solution to meet your specific requirements. What Will You Learn Prepare your infrastructure to support Windows 10 Always On VPN on premises or in the cloud Provision and manage Always On VPN clients using modern management methods such as Intune Understand advanced integration concepts for extending functionality with Microsoft Azure Troubleshoot and resolve common configuration and operational errors for your VPN Who This Book Is For IT professionals and technology administrators for organizations of all sizes

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 needed to manage Azure subscriptions; analyze resource utilization and consumption; manage

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

Build advanced authentication solutions for any cloud or web environment Active Directory has been transformed to reflect the cloud revolution, modern protocols, and today's newest SaaS paradigms. This is an authoritative, deep-dive guide to building Active Directory authentication solutions for these new environments. Author Vittorio Bertocci drove these technologies from initial concept to general availability, playing key roles in everything from technical design to documentation. In this book, he delivers comprehensive guidance for building complete solutions. For each app type, Bertocci presents high-level scenarios and quick implementation steps, illuminates key concepts in greater depth, and helps you refine your solution to improve performance and reliability. He helps you make sense of highly abstract architectural diagrams and nitty-gritty protocol and implementation details. This is the book for people

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motivated to become experts. Active Directory Program Manager Vittorio Bertocci shows you how to: Address authentication challenges in the cloud or on-premises Systematically protect apps with Azure AD and AD Federation Services Power sign-in flows with OpenID Connect, Azure AD, and AD libraries Make the most of OpenID Connect's middleware and supporting classes Work with the Azure AD representation of apps and their relationships Provide fine-grained app access control via roles, groups, and permissions Consume and expose Web APIs protected by Azure AD Understand new authentication protocols without reading complex spec documents

Modern Authentication with Azure Active Directory for Web Applications

Azure DevOps Explained

Azure Active Directory for Secure Application Development

Principles of Authentication and Authorization for Architects and Developers

Solving Identity and Access Management in Modern Applications

Developing Applications with Azure Active Directory

Become a master at managing enterprise identity infrastructure by leveraging Active Directory

About This Book Manage your Active Directory services for

Windows Server 2016 effectively

Automate administrative tasks in Active Directory using PowerShell Manage your

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organization's network with ease Who This Book Is For If you are an Active Directory administrator, system administrator, or network professional who has basic knowledge of Active Directory and are looking to gain expertise in this topic, this is the book for you. What You Will Learn Explore the new features in Active Directory Domain Service 2016 Automate AD tasks with PowerShell Get to know the advanced functionalities of the schema Learn about Flexible Single Master Operation (FSMO) roles and their placement Install and migrate Active directory from older versions to Active Directory 2016 Manage Active Directory objects using different tools and techniques Manage users, groups, and devices effectively Design your OU structure in the best way Audit and monitor Active Directory Integrate Azure with Active Directory for a hybrid setup In Detail Active Directory is a centralized and standardized system that automates networked management of user data, security, and distributed resources and enables interoperation with other directories.

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If you are aware of Active Directory basics and want to gain expertise in it, this book is perfect for you. We will quickly go through the architecture and fundamentals of Active Directory and then dive deep into the core components, such as forests, domains, sites, trust relationships, OU, objects, attributes, DNS, and replication. We will then move on to AD schemas, global catalogs, LDAP, RODC, RMS, certificate authorities, group policies, and security best practices, which will help you gain a better understanding of objects and components and how they can be used effectively. We will also cover AD Domain Services and Federation Services for Windows Server 2016 and all their new features. Last but not least, you will learn how to manage your identity infrastructure for a hybrid-cloud setup. All this will help you design, plan, deploy, manage operations on, and troubleshoot your enterprise identity infrastructure in a secure, effective manner. Furthermore, I will guide you through automating administrative tasks using PowerShell cmdlets. Toward the end of the book, we

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will cover best practices and troubleshooting techniques that can be used to improve security and performance in an identity infrastructure. *Style and approach* This step-by-step guide will help you master the core functionalities of Active Directory services using Microsoft Server 2016 and PowerShell, with real-world best practices at the end.

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, identity and security, data storage, business continuity, and infrastructure.

This ebook walks you through a patterns-based approach to building real-world cloud solutions. The patterns apply to the development process as well as to architecture and coding practices. The

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content is based on a presentation developed by Scott Guthrie and delivered by him at the Norwegian Developers Conference (NDC) in June of 2013 (part 1, part 2), and at Microsoft Tech Ed Australia in September 2013 (part 1, part 2). Many others updated and augmented the content while transitioning it from video to written form. Who should read this book

Developers who are curious about developing for the cloud, are considering a move to the cloud, or are new to cloud development will find here a concise overview of the most important concepts and practices they need to know. The concepts are illustrated with concrete examples, and each chapter includes links to other resources that provide more in-depth information. The examples and the links to additional resources are for Microsoft frameworks and services, but the principles illustrated apply to other web development frameworks and cloud environments as well. Developers who are already developing for the cloud may find ideas here that will help make them more successful. Each

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chapter in the series can be read independently, so you can pick and choose topics that you're interested in. Anyone who watched Scott Guthrie's "Building Real World Cloud Apps with Windows Azure" presentation and wants more details and updated information will find that here. Assumptions This ebook expects that you have experience developing web applications by using Visual Studio and ASP.NET. Familiarity with C# would be helpful in places. Discover high-value Azure security insights, tips, and operational optimizations This book presents comprehensive Azure Security Center techniques for safeguarding cloud and hybrid environments. Leading Microsoft security and cloud experts Yuri Diogenes and Dr. Thomas Shinder show how to apply Azure Security Center's full spectrum of features and capabilities to address protection, detection, and response in key operational scenarios. You'll learn how to secure any Azure workload, and optimize virtually all facets of modern security, from policies and identity to incident response and risk management.

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Whatever your role in Azure security, you'll learn how to save hours, days, or even weeks by solving problems in most efficient, reliable ways possible. Two of Microsoft's leading cloud security experts show how to:

- Assess the impact of cloud and hybrid environments on security, compliance, operations, data protection, and risk management
- Master a new security paradigm for a world without traditional perimeters
- Gain visibility and control to secure compute, network, storage, and application workloads
- Incorporate Azure Security Center into your security operations center
- Integrate Azure Security Center with Azure AD Identity Protection Center and third-party solutions
- Adapt Azure Security Center's built-in policies and definitions for your organization
- Perform security assessments and implement Azure Security Center recommendations
- Use incident response features to detect, investigate, and address threats
- Create high-fidelity fusion alerts to focus attention on your most urgent security issues

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Implement application whitelisting and just-in-time VM access • Monitor user behavior and access, and investigate compromised or misused credentials • Customize and perform operating system security baseline assessments • Leverage integrated threat intelligence to identify known bad actors

OAuth 2 in Action

Mastering Active Directory

Plan and implement security and compliance strategies for Microsoft 365 and hybrid environments

Harness the power of Keycloak, OpenID Connect, and OAuth 2.0 protocols to secure applications

Get up and running with the fundamentals of Office 365

Introducing Windows Azure for IT Professionals

The perimeter defenses guarding your network perhaps are not as secure as you think. Hosts behind the firewall have no defenses of their own, so when a host in the "trusted" zone is breached, access to your data center is not far behind. That's an all-too-familiar scenario today. With this practical book, you'll learn the principles behind zero trust architecture, along with details necessary to implement it. The Zero Trust Model treats all hosts as if they're internet-facing, and considers the entire network to be compromised and hostile. By taking this approach, you'll focus on building strong authentication,

authorization, and encryption throughout, while providing compartmentalized access and better operational agility.

Understand how perimeter-based defenses have evolved to become the broken model we use today Explore two case studies of zero trust in production networks on the client side (Google) and on the server side (PagerDuty) Get example configuration for open source tools that you can use to build a zero trust network Learn how to migrate from a perimeter-based network to a zero trust network in production

Microsoft Azure Essentials from Microsoft Press is a series of free ebooks designed to help you advance your technical skills with Microsoft Azure. The first ebook in the series, Microsoft Azure Essentials: Fundamentals of Azure, introduces developers and IT professionals to the wide range of capabilities in Azure. The authors - both Microsoft MVPs in Azure - present both conceptual and how-to content for key areas, including: Azure Websites and Azure Cloud Services Azure Virtual Machines Azure Storage Azure Virtual Networks Databases Azure Active Directory Management tools Business scenarios Watch Microsoft Press's blog and Twitter (@MicrosoftPress) to learn about other free ebooks in the "Microsoft Azure Essentials" series.

We're thrilled to share another free ebook with you:

Introducing Microsoft Azure HDInsight, by Avkash Chauhan, Valentine Fontama, Michele Hart, Wee Hyong Tok, and Buck Woody. Here are the download links: Download the PDF (6.37 MB; 130 pages) from <http://aka.ms/IntroHDInsight/PDF>

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 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 Windows Azure Compute Services Windows Azure Network Services Windows Azure Data Services Windows Azure App Services Getting Started with Windows Azure

Harness the power of Dynamics 365 Operations and discover all you need to implement it About This Book Master all the necessary tools and resources to evaluate Dynamics 365 for Operations, implement it, and proactively maintain it.

Troubleshoot your problems effectively with your Dynamics 365 partner Learn about architecture, deployment choices, integration, configuration and data migration, development, testing, reporting and BI, support, upgrading, and more. Who This Book Is For This book is for technology leaders, project managers solution architects, and consultants who are planning to implement, are in the process of implementing, or are currently upgrading to Dynamics 365 for Operations. This book will help you effectively learn and implement Dynamics 365 for Operations. What You Will Learn Learn about Microsoft Dynamics 365, it's offerings, plans and details of Finance and Operations, Enterprise edition Understand the methodology and the tool, architecture, and deployment options Effectively plan and manage configurations and data migration, functional design, and technical design Understand integration frameworks, development concepts, best practices, and recommendations while developing new solutions Learn how to leverage intelligence and analytics through Power BI, machine learning, IOT, and Cortana intelligence Master testing, training, going live, upgrading, and how to get support during and after the implementation In Detail Microsoft Dynamics 365 for Finance and Operations, Enterprise edition, is a modern, cloud-first, mobile-first, ERP solution suitable for medium and

large enterprise customers. This book will guide you through the entire life cycle of a implementation, helping you avoid common pitfalls while increasing your efficiency and effectiveness at every stage of the project. Starting with the foundations, the book introduces the Microsoft Dynamics 365 offerings, plans, and products. You will be taken through the various methodologies, architectures, and deployments so you can select, implement, and maintain Microsoft Dynamics 365 for Finance and Operations, Enterprise edition. You will delve in-depth into the various phases of implementation: project management, analysis, configuration, data migration, design, development, using Power BI, machine learning, Cortana analytics for intelligence, testing, training, and finally deployment, support cycles, and upgrading. This book focuses on providing you with information about the product and the various concepts and tools, along with real-life examples from the field and guidance that will empower you to execute and implement Dynamics 365 for Finance and Operations, Enterprise edition. Style and approach This book is a step-by-step guide focusing on implementing Dynamics 365 Operations solutions for your organization.

Empower users by managing and protecting identities and data, 2nd Edition

Programming Microsoft Office 365 (includes Current Book Service)

Implementing Always On VPN

Make Your Career with Microsoft Azure Platform Using Azure Administered Exam Prep (English Edition)

Use modern authentication techniques to secure applications in Azure

Create secure, scalable, high-availability applications on the cloud, 3rd Edition

Leverage Azure's cloud capabilities to find the most

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optimized path to meet your firm ' s cloud infrastructure needs

Key Features

Get to grips with the core Azure infrastructure technologies and solutions

Develop the ability to opt for cloud design and architecture that best fits your organization

Cover the entire spectrum of cloud migration from planning to implementation and best practices

Book Description

Microsoft Azure is a powerful cloud computing platform that offers a multitude of services and capabilities for organizations of any size moving to a cloud strategy. This fourth edition comes with the latest updates on cloud security fundamentals, hybrid cloud, cloud migration, Microsoft Azure Active Directory, and Windows Virtual Desktop. It encapsulates the entire spectrum of measures involved in Azure deployment that includes understanding Azure fundamentals, choosing a suitable cloud architecture, building on design principles, becoming familiar with Azure DevOps, and learning best practices for optimization and management. The book begins by introducing you to the Azure cloud platform and demonstrating the substantial scope of digital transformation and innovation that can be achieved with Azure's capabilities. The guide also acquaints you with practical insights into application modernization, Azure Infrastructure as a Service (IaaS) deployment, infrastructure management, key application architectures, best practices of Azure DevOps, and Azure automation. By the end of this book, you will have acquired the skills required to drive Azure operations from the planning and cloud migration stage to cost management and troubleshooting. What you will

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learn Understand core Azure infrastructure technologies and solutions Carry out detailed planning for migrating applications to the cloud with Azure Deploy and run Azure infrastructure services Define roles and responsibilities in DevOps Get a firm grip on Azure security fundamentals Carry out cost optimization in Azure Who this book is for This book is designed to benefit Azure architects, cloud solution architects, Azure developers, Azure administrators, and anyone who wants to develop expertise in operating and administering the Azure cloud. Basic familiarity with operating systems and databases will help you grasp the concepts covered in this book.

Build and design multiple types of applications that are cross-language, platform, and cost-effective by understanding core Azure principles and foundational concepts Key Features 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 Book Description Thanks to its support for high availability, scalability, security, performance, and disaster recovery, Azure has been widely adopted to create and deploy different types of application with ease. Updated for the latest developments, this third edition of Azure for Architects helps you get to grips with the core concepts of designing serverless architecture, including containers, Kubernetes deployments, and big data solutions. You'll learn how to architect solutions such as serverless functions, you'll discover deployment patterns for

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containers and Kubernetes, and you'll explore large-scale big data processing using Spark and Databricks. As you advance, you'll implement DevOps using Azure DevOps, work with intelligent solutions using Azure Cognitive Services, and integrate security, high availability, and scalability into each solution. Finally, you'll delve into Azure security concepts such as OAuth, OpenConnect, and managed identities. By the end of this book, you'll have gained the confidence to design intelligent Azure solutions based on containers and serverless functions. What you will learn

- Understand the components of the Azure cloud platform
- Use cloud design patterns
- Use enterprise security guidelines for your Azure deployment
- Design and implement serverless and integration solutions
- Build efficient data solutions on Azure
- Understand container services on Azure

Who this book is for If you are a cloud architect, DevOps engineer, or a developer looking to learn about the key architectural aspects of the Azure cloud platform, this book is for you. A basic understanding of the Azure cloud platform will help you grasp the concepts covered in this book more effectively.

This is the definitive guide to maximizing the value of today's Scrum and DevOps methodologies with state-of-the-art Microsoft cloud tools and services, including Azure DevOps Services, specifically Azure Boards and Azure Test Plans. Renowned Scrum expert Richard Hundhausen has comprehensively revamped and updated his classic *Professional Scrum Development with Microsoft Visual Studio 2012* to reflect the latest Scrum Guide, Microsoft's breakthrough development

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tools, GitHub integration, and developers' deeper experience with Scrum. Professional Scrum Development with Azure DevOps stands apart from all other Scrum and Azure guides by focusing on the fusion of today's most popular agile framework (Scrum) and ALM/DevOps toolset (Azure DevOps). Hundhausen shows how a professional Scrum team can more effectively plan, track, and manage its work with Azure Boards, Azure Test Plans, and related Azure DevOps features. He offers detailed coverage of team formation, backlogs, sprints, test plans, collaboration, flow, continuous improvement, and the real-world tradeoffs between using tools and interacting directly with other team members. To make this guide even more valuable, Hundhausen has crafted it to complement Scrum.org's popular Professional Scrum Developer (PSD) program, which he personally created with Scrum.org's Ken Schwaber.

Active Directory has been thoroughly transformed to reflect the industry's breakneck shift to the cloud, modern authentication/authorization protocols such as OAuth2 and OpenId Connect, and new today's new mobile, SaaS, and single-page application paradigms. Now, there's an authoritative, start-to-finish guide to building Active Directory authentication solutions for these radically new environments. Author Vittorio Bertocci is the Microsoft Program Manager responsible for implementing these new technologies. Bertocci drove them from initial concept to general availability, played a key role in their technical design, and wrote many of their samples and much of their

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documentation. Nobody is more qualified to write this book. In *Modern Authentication with Active Directory*, he delivers comprehensive guidance for building complete solutions. Balancing theory with concrete code-level guidance, he paints a complete picture -- placing individual tasks in context, explaining how disparate tasks fit together, helping you choose and design your solution, and demonstrating how to implement it reliably, safely, and efficiently. Step by step, you'll gain deep mastery of Active Directory Authentication Library (ADAL) for Windows Store, Windows Phone, .NET, and JavaScript single-page app development; ASP.NET OWIN security components for Web API and OpenId Connect, and much more. You'll also gain deep insight into today's new authentication protocols, eliminating the need to read and interpret abstruse specifications documents. Drawing on his deep technical expertise, Bertocci shows how to go far beyond the basic SDK samples, smoothly handling advanced scenarios and "edge cases." For each major app type, he:

- Presents a typical high-level scenario
- Offers quick guidance on how to implement it ("instant gratification")
- Steps back to explain the theory behind the solution
- Helps you leverage your new understanding to refine your solution
- Provides advanced hands-on guidance that builds on what you've learned

Modern Authentication with Active Directory brings together all the knowledge you'll need to address any authentication challenge -- in any on-premises, mobile, or cloud environment.

Azure Strategy and Implementation Guide

Exam Ref MS-100 Microsoft 365 Identity and Services

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Hacking Multifactor Authentication

Active Directory Administration Cookbook

Exam Ref AZ-103 Microsoft Azure Administrator

Microsoft Azure Administrator Exam Prep (AZ-104)

Prepare for Microsoft Exam MS-100—and help

demonstrate your real-world mastery of skills

and knowledge needed to effectively design,

deploy, manage, and secure Microsoft 365

services. Designed for experienced IT

professionals, Exam Ref focuses on critical

thinking and decision-making acumen needed

for success at the Microsoft Certified Expert

level. Focus on the expertise measured by these

objectives: Design and implement Microsoft 365

services Manage user identity and roles Manage

access and authentication Plan Office 365

workloads and applications This Microsoft Exam

Ref: Organizes its coverage by exam objectives

Features strategic, what-if scenarios to challenge

you Assumes you have working knowledge of

Microsoft 365 workloads, networking, server

administration, and IT fundamentals; and have

administered at least one Microsoft 365 workload

About the Exam Exam MS-100 focuses on

knowledge needed to manage domains; plan a

Microsoft 365 implementation; set up and

manage Microsoft 365 tenancy and

subscriptions; plan user and data migration;

design identity strategy; plan and manage

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identity synchronization with Azure AD Connect; manage Azure AD identities and user roles; manage authentication; implement MFA; configure application access; implement access for external users of Microsoft 365 workloads; and plan Office 365 workload and applications deployment. About Microsoft Certification Passing this exam and Exam MS-101 Microsoft 365 Mobility and Security (and earning one Microsoft 365 workload administrator certification or the MCSE Productivity certification) fulfills your requirements for the Microsoft 365 Certified Enterprise Administrator Expert certification credential. This demonstrates your ability to evaluate, plan, migrate, deploy, and manage Microsoft 365 services.

This certification guide focuses on identity solutions and strategies that will help you prepare for Microsoft Identity and Access Administrator certification, while enabling you to implement what you've learned in real-world scenarios Key FeaturesDesign, implement, and operate identity and access management systems using Azure ADProvide secure authentication and authorization access to enterprise applicationsImplement access and authentication for cloud-only and hybrid infrastructuresBook Description Cloud

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technologies have made identity and access the new control plane for securing data. Without proper planning and discipline in deploying, monitoring, and managing identity and access for users, administrators, and guests, you may be compromising your infrastructure and data. This book is a preparation guide that covers all the objectives of the SC-300 exam, while teaching you about the identity and access services that are available from Microsoft and preparing you for real-world challenges. The book starts with an overview of the SC-300 exam and helps you understand identity and access management. As you progress to the implementation of IAM solutions, you'll learn to deploy secure identity and access within Microsoft 365 and Azure Active Directory. The book will take you from legacy on-premises identity solutions to modern and password-less authentication solutions that provide high-level security for identity and access. You'll focus on implementing access and authentication for cloud-only and hybrid infrastructures as well as understand how to protect them using the principles of zero trust. The book also features mock tests toward the end to help you prepare effectively for the exam. By the end of this book, you'll have learned how to plan, deploy, and manage identity and access solutions for

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Microsoft and hybrid infrastructures. What you will learn

- Understand core exam objectives to pass the SC-300 exam
- Implement an identity management solution with MS Azure AD
- Manage identity with multi-factor authentication (MFA), conditional access, and identity protection
- Design, implement, and monitor the integration of enterprise apps for Single Sign-On (SSO)
- Add apps to your identity and access solution with app registration
- Design and implement identity governance for your identity solution

Who this book is for This book is for cloud security engineers, Microsoft 365 administrators, Microsoft 365 users, Microsoft 365 identity administrators, and anyone who wants to learn identity and access management and gain SC-300 certification. You should have a basic understanding of the fundamental services within Microsoft 365 and Azure Active Directory before getting started with this Microsoft book. Provides information on the features, functions, and implementation of Active Directory, covering such topics as management tools, searching the AD database, and the Kerberos security protocol.

Develop secure applications using different features of Azure Active Directory along with modern authentication techniques and protocols

Key Features

- Confidently secure your Azure

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applications using the tools offered by Azure AD

- Get to grips with the most modern and effective authorization and authentication protocols •

Unlock the potential of Azure AD's most advanced features including Microsoft Graph and Azure AD B2C

Book Description Azure Active Directory for Secure Application Development is your one-stop shop for learning how to develop secure applications using modern authentication techniques with Microsoft Azure AD. Whether you're working with single-tenant, multi-tenant, or line-of-business applications, this book contains everything you need to secure them. The book wastes no time in diving into the practicalities of Azure AD. Right from the start, you'll be setting up tenants, adding users, and registering your first application in Azure AD. The balance between grasping and applying theory is maintained as you move from the intermediate to the advanced: from the basics of OAuth to getting your hands dirty with building applications and registering them in Azure AD. Want to pin down the Microsoft Graph, Azure AD B2C, or authentication protocol best practices? We've got you covered. The full range of Azure AD functionality from a developer perspective is here for you to explore with confidence. By the end of this secure app development book, you'll

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have developed the skill set that so many organizations are clamoring for. Security is mission-critical, and after reading this book, you will be too. What you will learn

- Get an overview of Azure AD and set up your Azure AD instance
- Master application configuration and the use of service principals
- Understand new authentication protocols
- Explore the Microsoft Identity libraries
- Use OpenID Connect, OAuth 2.0, and MSAL to make sign-in fully secure
- Build a custom app that leverages the Microsoft Graph API
- Deploy Azure AD B2C to meet your security requirements
- Create user flows and policies in Azure AD B2C

Who this book is for If you are a developer or architect who has basic knowledge of Azure Active Directory and are looking to gain expertise in the application security domain, this is the book for you. Basic Azure knowledge and experience in building web applications and web APIs in C# will help you get the most out of this book.

Designing, Deploying, and Running Active Directory

A Guide to Claims-Based Identity and Access Control

Modern Authentication with Active Directory

Securing 5G and Evolving Architectures

Building Cloud Apps with Microsoft Azure

Professional Scrum Development with Azure

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DevOps