

Beginning Security With Microsoft Technologies Pr

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HOWARD COHEN

Microsoft Information Protection Administrator SC-400 Certification Guide Packt Publishing Ltd

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.

Practical Microsoft Azure IaaS Packt Publishing Ltd

Know how to do machine learning with Microsoft technologies. This book teaches you to do predictive, descriptive, and prescriptive analyses with Microsoft Power BI, Azure Data Lake, SQL Server, Stream Analytics, Azure Databricks, HD Insight, and more. The ability to analyze massive amounts of real-time data and predict future behavior of an organization is critical to its long-term success. Data science, and more specifically machine learning (ML), is today's game changer and should be a key building block in every company's strategy. Managing a machine learning process from business understanding, data acquisition and cleaning, modeling, and deployment in each tool is a valuable skill set. Machine Learning with Microsoft Technologies is a demo-driven book that explains how to do machine learning with Microsoft technologies. You will gain valuable insight into designing the best architecture for development, sharing, and deploying a machine learning solution. This book simplifies the process of choosing the right architecture and tools for doing machine learning based on your specific infrastructure needs and requirements. Detailed content is provided on the main algorithms for supervised and unsupervised machine learning and examples show ML practices using both R and Python languages, the main languages inside Microsoft technologies. What You'll Learn Choose the right Microsoft product for your machine learning solution Create and manage Microsoft's tool environments for development, testing, and production of a machine learning project Implement and deploy supervised and unsupervised learning in Microsoft products Set up Microsoft Power BI, Azure Data Lake, SQL Server, Stream Analytics, Azure Databricks, and HD Insight to perform machine learning Set up a data science virtual machine and test-drive installed tools, such as Azure ML Workbench, Azure ML Server Developer, Anaconda Python, Jupyter Notebook, Power BI Desktop, Cognitive Services, machine learning and data analytics tools, and more Architect a machine learning solution factoring in all aspects of self service, enterprise, deployment, and sharing Who This Book Is For Data

scientists, data analysts, developers, architects, and managers who want to leverage machine learning in their products, organization, and services, and make educated, cost-saving decisions about their ML architecture and tool set.

Privacy Apress

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 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.

Microsoft Azure Security Center Microsoft Press

Remediate active attacks to reduce risk to the organization by investigating, hunting, and responding to threats using Microsoft Sentinel, Microsoft Defender for Cloud, and Microsoft 365 Defender Key Features Detect, protect, investigate, and remediate threats using Microsoft Defender for endpoint Explore multiple tools using the M365 Defender Security Center Get ready to overcome real-world challenges as you prepare to take the SC-200 exam Book Description Security in information technology has always been a topic of discussion, one that comes with various backgrounds, tools, responsibilities, education, and

change! The SC-200 exam comprises a wide range of topics that introduce Microsoft technologies and general operations for security analysts in enterprises. This book is a comprehensive guide that covers the usefulness and applicability of Microsoft Security Stack in the daily activities of an enterprise security operations analyst. Starting with a quick overview of what it takes to prepare for the exam, you'll understand how to implement the learning in real-world scenarios. You'll learn to use Microsoft's security stack, including Microsoft 365 Defender, and Microsoft Sentinel, to detect, protect, and respond to adversary threats in your enterprise. This book will take you from legacy on-premises SOC and DFIR tools to leveraging all aspects of the M365 Defender suite as a modern replacement in a more effective and efficient way. By the end of this book, you'll have learned how to plan, deploy, and operationalize Microsoft's security stack in your enterprise and gained the confidence to pass the SC-200 exam. What you will learn Discover how to secure information technology systems for your organization Manage cross-domain investigations in the Microsoft 365 Defender portal Plan and implement the use of data connectors in Microsoft Defender for Cloud Get to grips with designing and configuring a Microsoft Sentinel workspace Configure SOAR (security orchestration, automation, and response) in Microsoft Sentinel Find out how to use Microsoft Sentinel workbooks to analyze and interpret data Solve mock tests at the end of the book to test your knowledge Who this book is for This book is for security professionals, cloud security engineers, and security analysts who want to learn and explore Microsoft Security Stack. Anyone looking to take the SC-200 exam will also find this guide useful. A basic understanding of Microsoft technologies and security concepts will be beneficial.

Pro WCF Packt Publishing Ltd

Security for Microsoft Windows System is a handy guide that features security information for Windows beginners and professional admin. It provides information on security basics and tools for advanced protection against network failures and attacks. The text is divided into six chapters that cover details about network attacks, system failures, audits, and social networking. The book introduces general security concepts including the principles of information security, standards, regulation, and compliance; authentication, authorization, and accounting; and access control. It also covers the cryptography and the principles of network, system, and organizational and operational security, including risk analysis and disaster recovery. The last part of the book presents assessments and audits of information security, which involve methods of testing, monitoring, logging, and auditing. This handy guide offers IT practitioners, systems and network administrators, and graduate and undergraduate students in information technology the details they need about security concepts and issues. Non-experts or beginners in Windows systems security will also find this book helpful. Take all the confusion out of security including: network attacks, system failures, social networking, and even audits Learn how to apply and implement general security concepts Identify and solve situations within your network and organization

Beginning Security with Microsoft Technologies RADACAD Systems Limited

Any IT professional can tell you that managing security is a top priority and even more so when working in the cloud. Access to accurate and timely security information is critical, but governance and control must first be enabled. This guide shows you how to take advantage of Azure's vast and powerful built-in security tools and capabilities for your application workloads. Pro Azure Governance and Security offers a comprehensive look at the governance features available with Microsoft Azure and

demonstrates how to integrate them with your hybrid and Azure environments, drawing on the author's experiences from years in the field. Learn about the array of controls implemented within Microsoft Azure from two valuable perspectives: the customer and Microsoft operations. Beginning with the top-level subscription hierarchy, learn about the most important built-in Azure security services and features, as well as how to use Azure Policies and Blueprints as a means for security and governance. A series of hands-on exercises teaches you the concepts of Azure Governance: how to enable and deploy Azure Security Center, integrate RBAC (role-based access control), and set up Azure Operations and Monitoring. Get introduced to the new Azure Sentinel solution that offers SIEM as a service for security incident management and proactive hunting. What You'll Learn Understand different architectural designs for implementing Azure Security Operate and monitor an Azure environment Deploy Azure Governance, Policies, and Blueprints Discover key Azure features that enhance security Implement and confidently access Azure Security Center Get to know Azure Sentinel Who This Book Is For Technical engineers, consultants, solution and cloud architects, IT managers, and SecOps teams who need to understand how to integrate governance, security, and compliance in hybrid and Azure environments. A basic understanding of Azure or other public cloud platforms is beneficial, but not required.

Implementing Microsoft Azure Architect Technologies:

AZ-303 Exam Prep and Beyond Packt Publishing Ltd

Discover over 100 practical recipes to help you master the art of IT service management for your organization About This Book Unleash the capabilities of Microsoft System Center 2016 Service Manager Master the skills of configuring, deploying, managing, and troubleshooting your Service Manager 2016 This book contains practical recipes that leverage the key and newly added features and functionalities of Microsoft System Center 2016 Service Manager Who This Book Is For This book will be useful to IT professionals including SCSM administrators who want to configure and administer System Center Service Manager 2016 and understand how to solve specific problems and scenarios that arise. It will also be useful to users of Service Manager 2012 who want to learn about the new features and capabilities of the Service Manager 2016 release. It will be ideal if you have Service Manager experience as well as experience with other System Center products. What You Will Learn See a practical implementation of the ITSM framework and processes based on ITIL Deploy and configure the new Service Manager HTML5 Self-Service Portal along with Service Catalog design and configuration Get to know about Incident, Problem, and Change Management processes and configuration Get to grips with performing advanced personalization in Service Manager Discover how to set up and use automation with and within Service Manager 2016 Work with Service Manager Data Warehouse Find out what Security Roles are and how to implement them Learn how to upgrade from SCSM 2012 R2 to SCSM 2016 In Detail System Center Service Manager (SCSM) is an integrated platform that offers a simplified data center management experience by implementing best practices such as Incident Management, Service Request, and Change Control to achieve efficient service delivery across your organization. This book provides you with real-world recipes that can be used immediately and will show you how to configure and administer SCSM 2016. You'll also find out how to solve particular problems and scenarios to take this tool further. You'll start with recipes on implementing ITSM frameworks and processes and configuring Service Level Agreements (SLAs). Then, you'll work through deploying and configuring the HTML5 Self-Service Portal,

configuring Incident and Problem Management, and designing and configuring Change and Release Management. You'll also learn about security roles and overall Microsoft SCSM 2016 administration. Toward the end of the book, we'll look at advanced topics, such as presenting the wealth of information stored within the Service Manager Data Warehouse, standardizing SCSM deployments, and implementing automation. Style and approach This book will enlighten you on Microsoft System Center 2016 Service Manager through recipes that can be implemented directly in any enterprise. You can read the book from start to end if you're a beginner, or just open up any chapter and start following the recipes as a reference for advanced users. This book consists of a pool of step-by-step recipes on how to perform activities in Service Manager.

Mastering Identity and Access Management with Microsoft Azure Packt Publishing Ltd

Students who are beginning studies in technology need a strong foundation in the basics before moving on to more advanced technology courses and certification programs. The Microsoft Technology Associate (MTA) is a new and innovative certification track designed to provide a pathway for future success in technology courses and careers. The MTA program curriculum helps instructors teach and validate fundamental technology concepts and provides students with a foundation for their careers as well as the confidence they need to succeed in advanced studies. Through the use of MOAC MTA titles you can help ensure your students future success in and out of the classroom. Vital fundamentals of security are included such as understanding security layers, authentication, authorization, and accounting. They will also become familiar with security policies, network security and protecting the Server and Client.

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

secure cloud services using Microsoft Defender for Cloud and other Azure security features. A solid understanding of fundamental security concepts and prior exposure to the Azure cloud will help you understand the key concepts covered in the book more effectively. This book is also beneficial for those aiming to take Microsoft certification exams with a security element or focus.

Azure Strategy and Implementation Guide Addison Wesley Publishing Company

This book will show administrators how to manage and administer the advanced functions and security features in Windows Vista. The recommendations, tips, tricks, and best practices are based on years of early-adopter implementations of Windows Vista in large corporate and private environments. The authors highlight the functions of Windows Vista that both large and small environments have found to be the most useful, including all-new features such as Complete PC Backup, BitLocker, and the powerful Group Policy options that are only available in Windows Vista. Understand how to ... Integrate Windows Vista into an Active Directory domain Properly protect information for local and remote users Utilize BitLocker to encrypt all the data on a disk Properly secure a Windows Vista system Enable self-service recovery with Shadow Copy Deploy Windows Vista systems without having to touch them Deploy powerful new Group Policy settings Pick the version of Vista that is right for your users Optimize Vista performance Securely access corporate information while offline Perform image-level backup and restore of Vista workstations Andrew Abbate is a consultant in and best-selling author on various Microsoft technologies and security and operational practices. James Walker, MCSE, CPM, BSME, has been a consultant, author, and technical editor to several best-selling Windows Unleashed books involving design, security, performance optimization, and data communications. Scott G. Chimner, CISSP, MCSE, MCSA, TCSE 2, A+, is a consultant for Convergent Computing, an ISSA member, and has been in the computer industry for more than 12 years with a concentration on Information Security. Scott has also served as a contributing writer for several books on Microsoft technologies.

Microsoft Azure Essentials - Fundamentals of Azure Apress

I have been writing and presenting about Row-Level Security in Power BI for many years. Through the comments and feedback I got from my presentations and articles, I felt a need for a place to have everything gathered in one place. The lack of a book that explains everything about the current subject motivated me to end up gathering all my articles in this book. The result is what you are reading. Row-Level Security in Power BI is not about sharing your content. It is, on the other hand, about sharing the same content with a different audience in the way that they see different views of the data. They will have different access to the data. Some of them might see the entire data, and some others might see part of the data that they are authorized to see. Instead of creating multiple reports with the same format, fields, calculations, and visualizations, and only making them different in filtering, the correct way to do it is through row-level security. This will make sure you have the maximum consistency and minimum maintenance for your Power BI project. This is not a book about theories. This is a hands-on book. There are tons of demos and examples with the code samples that you can try. You will learn through this book, what is row-level security. You will learn different types of security and patterns in which you will see the most common challenges for implementing the security and the solution to save them. The book starts with the basics of row-level security, then you will learn about static vs. dynamic row-level security. You will learn patterns such as everyone see their own data, but the manager sees a different view or users and

profiles for branch managers. Or the organizational hierarchy, or even the many-to-many relationship challenge of row-level security etc. through this book. This book is not about how to create a report, build a visualization, connect to a dataset, or set up a gateway. If you want to learn those, I do recommend reading my other book: Power BI online book, from Rookie to Rock Star.

Microsoft Sentinel in Action John Wiley & Sons

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, 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 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 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, 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 covered in the book.

Implementing Azure Cloud Design Patterns Apress

** #1 Wall Street Journal Bestseller ** In this essential book written by a rural native and Silicon Valley veteran, Microsoft's Chief technology officer tackles one of the most critical issues facing society today: the future of artificial intelligence and how it can be realistically used to promote growth, even in a shifting employment landscape. There are two prevailing stories about AI: for heartland low- and middle-skill workers, a dystopian tale of steadily increasing job destruction; for urban knowledge workers and the professional class, a utopian tale of enhanced productivity and convenience. But there is a third way to look at

this technology that will revolutionize the workplace and ultimately the world. Kevin Scott argues that AI has the potential to create abundance and opportunity for everyone and help solve some of our most vexing problems. As the chief technology officer at Microsoft, he is deeply involved in the development of AI applications, yet mindful of their potential impact on workers—knowledge he gained firsthand growing up in rural Virginia. Yes, the AI Revolution will radically disrupt economics and employment for everyone for generations to come. But what if leaders prioritized the programming of both future technology and public policy to work together to find solutions ahead of the coming AI epoch? Like public health, the space program, climate change and public education, we need international understanding and collaboration on the future of AI and work. For Scott, the crucial question facing all of us is this: How do we work to ensure that the continued development of AI allows us to keep the American Dream alive? In this thoughtful, informed guide, he offers a clear roadmap to find the answer.

Security for Microsoft Windows System Administrators

Manning Publications

Celebrate Thanksgiving with Annie and Snowball in this Level 2 Ready-to-Read story from the Theodor Seuss Geisel Award-winning creators of Henry and Mudge! Annie loves fall and she especially loves Thanksgiving. There is a big table at Annie's house, and she wants lots of people around it for a yummy dinner. But Annie lives with just her dad and her bunny, Snowball. She doesn't have a big family of her own. Who can she invite to share Thanksgiving?

Microsoft Azure Essentials Azure Machine Learning Microsoft Press

Excel at AZ-500 and implement multi-layered security controls to protect against rapidly evolving threats to Azure environments - now with the the latest updates to the certification Key Features Master AZ-500 exam objectives and learn real-world Azure security strategies Develop practical skills to protect your organization from constantly evolving security threats Effectively manage security governance, policies, and operations in Azure Book Description Exam preparation for the AZ-500 means you'll need to master all aspects of the Azure cloud platform and know how to implement them. With the help of this book, you'll gain both the knowledge and the practical skills to significantly reduce the attack surface of your Azure workloads and protect your organization from constantly evolving threats to public cloud environments like Azure. While exam preparation is one of its focuses, this book isn't just a comprehensive security guide for those looking to take the Azure Security Engineer certification exam, but also a valuable resource for those interested in securing their Azure infrastructure and keeping up with the latest updates. Complete with hands-on tutorials, projects, and self-assessment questions, this easy-to-follow guide builds a solid foundation of Azure security. You'll not only learn about security technologies in Azure but also be able to configure and manage them. Moreover, you'll develop a clear understanding of how to identify different attack vectors and mitigate risks. By the end of this book, you'll be well-versed with implementing multi-layered security to protect identities, networks, hosts, containers, databases, and storage in Azure - and more than ready to tackle the AZ-500. What you will learn Manage users, groups, service principals, and roles effectively in Azure AD Explore Azure AD identity security and governance capabilities Understand how platform perimeter protection secures Azure workloads Implement network security best practices for IaaS and PaaS Discover various options to protect against DDoS attacks Secure hosts and containers against evolving security threats Configure platform governance with cloud-native tools Monitor security operations

with Azure Security Center and Azure Sentinel. Who this book is for: This book is a comprehensive resource aimed at those preparing for the Azure Security Engineer (AZ-500) certification exam, as well as security professionals who want to keep up to date with the latest updates. Whether you're a newly qualified or experienced security professional, cloud administrator, architect, or developer who wants to understand how to secure your Azure environment and workloads, this book is for you. Beginners without foundational knowledge of the Azure cloud platform might progress more slowly, but those who know the basics will have no trouble following along.

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

Microsoft 365 Security Administration: MS-500 Exam Guide Packt Publishing Ltd

Master a complete strategy for protecting any Azure cloud network environment! Network security is crucial to safely deploying and managing Azure cloud resources in any environment. Now, two of Microsoft's leading experts present a comprehensive, cloud-native approach to protecting your network, and safeguarding all your Azure systems and assets. Nicholas DiCola and Anthony Roman begin with a thoughtful overview of network security's role in the cloud. Next, they offer practical, real-world guidance on deploying cloud-native solutions for firewalling, DDOS, WAF, and other foundational services – all within a best-practice secure network architecture based on proven design patterns. Two of Microsoft's leading Azure network security experts show how to: Review Azure components and

services for securing network infrastructure, and the threats to consider in using them. Layer cloud security into a Zero Trust approach that helps limit or contain attacks. Centrally direct and inspect traffic with the managed, stateful, Platform-as-a-Service Azure Firewall. Improve visibility into Azure traffic with Deep Packet Inspection. Optimize the way network and web application security work together. Use Azure DDoS Protection (Basic and Standard) to mitigate Layer 3 (volumetric) and Layer 4 (protocol) DDoS attacks. Enable log collection for Firewall, DDoS, WAF, and Bastion; and configure NSG Flow Logs and Traffic Analytics. Continually monitor network security with Azure Sentinel, Security Center, and Network Watcher. Customize queries, playbooks, workbooks, and alerts when Azure's robust out-of-the-box alerts and tools aren't enough. Build and maintain secure architecture designs that scale smoothly to handle growing complexity. **About This Book:** For Security Operations (SecOps) analysts, cybersecurity/information security professionals, network security engineers, and other IT professionals. For individuals with security responsibilities in any Azure environment, no matter how large, small, simple, or complex. Microsoft Azure Network Security Microsoft Press

Prepare for Microsoft Exam AZ-500: Demonstrate your real-world knowledge of Microsoft Azure security, including tools and techniques for protecting identity, access, platforms, data, and applications, and for effectively managing security operations. Designed for professionals with Azure security experience, this Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified: Azure Security Engineer Associate level. Focus on the expertise measured by these objectives: Manage identity and access. Implement platform protection. Manage security operations. Secure data and applications. **This Microsoft Exam Ref:** Organizes its coverage by exam objectives. Features strategic, what-if scenarios to challenge you. Assumes you have expertise implementing security controls and threat protection, managing identity and access, and protecting assets in cloud and hybrid environments. **About the Exam:** Exam AZ-500 focuses on the knowledge needed to manage Azure Active Directory identities; configure secure access with Azure AD; manage application access and access control; implement advanced network security; configure advanced security for compute; monitor security with Azure Monitor, Azure Firewall manager, Azure Security Center, Azure Defender, and Azure Sentinel; configure security policies; configure security for storage and databases; and configure and manage Key Vault. **About Microsoft Certification:** Passing this exam fulfills your requirements for the Microsoft Certified: Azure Security Engineer Associate credential, demonstrating your expertise as an Azure Security Engineer capable of maintaining security posture, identifying and remediating vulnerabilities, implementing threat protection, and responding to incident escalations as part of a cloud-based management and security team. See full details at: microsoft.com/learn

Thor's Microsoft Security Bible Packt Publishing Ltd

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

Microsoft Azure Security Technologies Certification and Beyond Penguin

The instant New York Times bestseller. From Microsoft's president and one of the tech industry's broadest thinkers, a frank and thoughtful reckoning with how to balance enormous promise and existential risk as the digitization of everything accelerates. "A colorful and insightful insiders' view of how technology is both empowering and threatening us. From privacy to cyberattacks, this timely book is a useful guide for how to navigate the digital future." —Walter Isaacson Microsoft President Brad Smith operates by a simple core belief: When your technology changes the world, you bear a responsibility to help address the world you have helped create. This might seem uncontroversial, but it flies in the face of a tech sector long obsessed with rapid growth and sometimes on disruption as an end in itself. While sweeping digital transformation holds great promise, we have reached an

inflection point. The world has turned information technology into both a powerful tool and a formidable weapon, and new approaches are needed to manage an era defined by even more powerful inventions like artificial intelligence. Companies that create technology must accept greater responsibility for the future, and governments will need to regulate technology by moving faster and catching up with the pace of innovation. In *Tools and Weapons*, Brad Smith and Carol Ann Browne bring us a captivating narrative from the cockpit of one of the world's largest and most powerful tech companies as it finds itself in the middle of some of the thorniest emerging issues of our time. These are challenges that come with no preexisting playbook, including privacy, cybercrime and cyberwar, social media, the moral conundrums of artificial intelligence, big tech's relationship to inequality, and the challenges for democracy, far and near. While in no way a self-glorifying "Microsoft memoir," the book pulls back the curtain remarkably wide onto some of the company's most crucial recent decision points as it strives to protect the hopes technology offers against the very real threats it also presents. There are huge ramifications for communities and countries, and Brad Smith provides a thoughtful and urgent contribution to that effort.