

Identity And Access Management For Dummies

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Identity And Access Management For Dummies

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[Identity and Access Management](#) Artech House

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

Rational Cybersecurity for Business Packt Publishing Ltd

In this high-level executive guide to Identity and Access Management, we discuss the good the bad and the ugly aspects. We consider why you need IAM, how it helps with security, compliance, governance and importantly how it can save you a fortune in time, effort and money on compliance auditing. However, it's not all good news, so we will discuss the problems you will face,

the reasons for the high failure rates in deployment and the best practices you can follow to mitigate the risks of failure. Nonetheless, in this second edition, we contemplate how deploying IAM will reap benefits in the enterprise and discuss strategy and best practices for deployment in the cloud, commerce, IoT, and hybrid enterprise scenarios. We will also contemplate IDaaS and other next-generation approaches to IAM such as Identity Relationship Management (IRM). *An Executive Guide to Identity Access Management* "O'Reilly Media, Inc."

This essential resource for professionals and advanced students in security programming and system design introduces the foundations of programming systems security and the theory behind access control models, and addresses emerging access control mechanisms.

Access and Identity Management for Libraries 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.

Digital Identity Management Packt Publishing Ltd

Discover how poor identity and privilege management can be leveraged to compromise accounts and credentials within an organization. Learn how role-based identity assignments, entitlements, and auditing strategies can be implemented to mitigate the threats leveraging accounts and identities and how to manage compliance for regulatory initiatives. As a solution, Identity Access Management (IAM) has emerged as the cornerstone of enterprise security. Managing accounts, credentials, roles, certification, and attestation reporting for all resources is now a security and compliance mandate. When identity theft and poor identity management is leveraged as an attack vector, risk and vulnerabilities increase exponentially. As cyber attacks continue to increase in volume and sophistication, it is not a matter of if, but when, your organization will have an incident. Threat actors target accounts, users, and their associated identities, to conduct their malicious activities through privileged attacks and asset vulnerabilities. Identity Attack Vectors details the risks associated with poor identity management practices, the techniques that threat actors and insiders leverage, and the operational best practices that organizations should adopt to protect against identity theft and account compromises, and to develop an effective identity governance program. What You Will Learn Understand the concepts behind an identity and how their associated credentials and accounts can be leveraged as an attack vector Implement an effective Identity Access Management (IAM) program to manage identities and roles, and provide certification for regulatory compliance See where identity management controls play a part of the cyber kill chain and how privileges should be managed as a potential weak link Build upon industry standards to integrate key identity management technologies into a corporate ecosystem Plan for a successful deployment, implementation scope, measurable risk reduction, auditing and discovery, regulatory reporting, and oversight based on real-world strategies to prevent identity

attack vectors Who This Book Is For Management and implementers in IT operations, security, and auditing looking to understand and implement an identity access management program and manage privileges in these environments

Identity, Authentication, and Access Management in OpenStack Apress

The Internet of Things is a wide-reaching network of devices, and these devices can intercommunicate and collaborate with each other to produce variety of services at any time, any place, and in any way. Maintaining access control, authentication and managing the identity of devices while they interact with other devices, services and people is an important challenge for identity management. The identity management presents significant challenges in the current Internet communication. These challenges are exacerbated in the internet of things by the unbound number of devices and expected limitations in constrained resources. Current identity management solutions are mainly concerned with identities that are used by end users, and services to identify themselves in the networked world. However, these identity management solutions are designed by considering that significant resources are available and applicability of these identity management solutions to the resource constrained internet of things needs a thorough analysis. Technical topics discussed in the book include: Internet of Things; Identity Management; Identity models in Internet of Things; Identity management and trust in the Internet of Things context; Authentication and access control; Identity management for Internet of Things contributes to the area of identity management for ubiquitous devices in the Internet of Things. It initially presents the motivational factors together with the identity management problems in the context of Internet of Things and proposes an identity management framework. Following this, it refers to the major challenges for Identity management and presents different identity management models. This book also presents relationship between identity and trust, different approaches for trust management, authentication and access control. Key milestones identified for Identity management are clustering with hierarchical addressing, trust management, mutual authentication and access control. Identity management for Internet of Things is ideal for personnel in computer/communication industries as well as academic staff and master/research students in wireless communication, computer science, operational research, electrical engineering and telecommunication systems Internet, and cloud computing. Content Preface; 1. Internet of Things Overview; 2. Elements of Internet of Things Security; 3. Identity Management Models; 4. Identity Management and Trust; 5. Identity Establishment; 6. Access Control; 7. Conclusions

Access Control Systems "O'Reilly Media, Inc."

Develop, deploy, and scale your applications with Google Cloud Platform Key Features Create and deploy your applications on Google Cloud Platform Store and manage source code and debug Cloud-hosted apps with plugins and IDEs Streamline developer workflows with tools for alerting and managing deployments Book Description Google Cloud Platform (GCP) provides autoscaling compute power and distributed in-memory cache, task queues, and datastores to write, build, and deploy Cloud-hosted applications. With Google Cloud Platform for Developers, you will be able to develop and deploy scalable applications from scratch and make them globally available in almost any language. This book will guide you in designing, deploying, and managing applications running on Google Cloud. You'll start with App Engine and move on to work with Container Engine, compute engine, and cloud functions. You'll learn how to integrate your new applications with the various data solutions on GCP, including Cloud SQL, Bigtable, and Cloud Storage. This book will teach you how to streamline your workflow with tools such as Source Repositories, Container Builder, and StackDriver. Along the way, you'll see how to deploy and debug services with IntelliJ, implement continuous delivery pipelines, and configure robust monitoring and alerting for your production systems. By the end of this book, you'll be well-versed with all the development tools of Google Cloud Platform, and you'll develop, deploy, and manage highly scalable and reliable applications. What you will learn Understand the various service offerings on GCP Deploy and run services on managed platforms such as App Engine and Container Engine Securely maintain application states with Cloud Storage, Datastore, and Bigtable Leverage StackDriver monitoring and debugging to minimize downtime and mitigate issues without impacting users Design and implement complex software solutions utilizing Google Cloud Integrate with best-in-class big data solutions such as Bigquery, Dataflow, and Pub/Sub Who this book is for Google Cloud Platform for Developers is for application developers. This book will enable you to fully leverage the power of Google Cloud Platform to build resilient and intelligent software solutions.

Identity Management Packt Publishing Ltd

"This book explores important and emerging advancements in digital identity and access management systems, providing innovative answers to an assortment of problems as system managers are faced with major organizational, economic and market changes"--Provided by publisher.

Designing an IAM Framework with Oracle Identity and Access Management Suite Elsevier

See how privileges, insecure passwords, administrative rights, and remote access can be combined as an attack vector to breach any organization. Cyber attacks continue to increase in volume and sophistication. It is not a matter of if, but when, your organization will be breached. Threat actors target the path of least resistance: users and their privileges. In decades past, an entire enterprise might be sufficiently managed through just a handful of credentials. Today's environmental complexity has seen an explosion of privileged credentials for many different account types such as domain and local administrators, operating systems (Windows, Unix, Linux, macOS, etc.), directory services, databases, applications, cloud instances, networking hardware, Internet of Things (IoT), social media, and so many more. When unmanaged, these privileged credentials pose a significant threat from external hackers and insider threats. We are experiencing an expanding universe of privileged accounts almost everywhere. There is no one solution or strategy to provide the protection you need against all vectors and stages of an attack. And while some new and innovative products will help protect against or detect against a privilege attack, they are not guaranteed to stop 100% of malicious activity. The volume and frequency of privilege-based attacks continues to increase and test the limits of existing security controls and solution implementations. Privileged Attack Vectors details the risks associated with poor privilege management, the techniques that threat actors leverage, and the defensive measures that organizations should adopt to protect against an incident, protect against lateral movement, and improve the ability to detect malicious activity due to the inappropriate usage of privileged credentials. This revised and expanded second edition covers new attack vectors, has updated definitions for privileged access management (PAM), new strategies for defense, tested empirical steps for a successful implementation, and includes new disciplines for least privilege endpoint management and privileged remote access. What You Will Learn Know how identities, accounts, credentials, passwords, and exploits can be leveraged to escalate privileges during an attack Implement defensive and monitoring strategies to mitigate privilege threats and risk Understand a 10-step universal privilege management implementation plan to guide you through a successful privilege access management journey Develop a comprehensive model for documenting risk, compliance, and reporting based on privilege session activity Who This Book Is For Security management professionals, new security professionals, and auditors looking to understand and solve privilege access management problems

Management Lives Newnes

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 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.

Digital Identity Management Syngress Press

"Provides pragmatic guidance on what to do ... and what not to do." - From the Foreword by Ian Glazer, *Salesforce 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 What is OAuth 2.0 and why should you care? The OAuth dance Building a simple OAuth client Building a simple OAuth protected resource Building a simple OAuth authorization server OAuth 2.0 in the real world Common client vulnerabilities Common protected resources vulnerabilities Common authorization server vulnerabilities Common OAuth token vulnerabilities OAuth tokens Dynamic client registration User authentication with OAuth 2.0 Protocols and profiles using OAuth 2.0 Beyond bearer tokens Summary and conclusions Part 1 - First steps Part 2 - Building an OAuth 2 environment Part 3 - OAuth 2 implementation and vulnerabilities Part 4 - Taking OAuth further

Google Cloud Platform for Developers Packt Publishing Ltd

With their rapidly changing architecture and API-driven automation, cloud platforms come with unique security challenges and opportunities. This hands-on book guides you through security best practices for multivendor cloud environments, whether your company plans to move legacy on-premises projects to the cloud or build a new infrastructure from the ground up. Developers, IT architects, and security professionals will learn cloud-specific techniques for securing popular cloud platforms such as Amazon Web Services, Microsoft Azure, and IBM Cloud. Chris Dotson—an IBM senior technical staff member—shows you how to establish data asset management, identity and access management, vulnerability management, network security, and incident response in your cloud environment.

Digital Identity Packt Publishing Ltd

Revised and updated with the latest data from this fast paced field, *Access Control, Authentication, and Public Key Infrastructure* defines the components of access control, provides a business framework for implementation, and discusses legal requirements that impact access control programs.

Identity and Access Management Packt Publishing Ltd

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

Deploying Identity and Access Management with Free Open Source Software O'Reilly Media

"The authors bring a spark of vitality and life to an area that could be cynically viewed as a series of conflicting fads and fashions....I would recommend anyone in the process of reviewing or designing an entrepreneurship development course to consider the benefits that this book would bring to the teaching process" - *Entrepreneurship and Innovation* "Using fiction in the classroom as an approach to stimulating the study of people in organizations is well-established. What this book contributes is a way of exploring some of the existential elements of life in organizations, which are typically difficult to study. It will be on my reading lists. Hopefully, this example, and regrettably few others which exist, will contribute in the long term to the reformulation of how the lived experience of organizational life may be explored in the classroom" - *Leadership & Organization Development Journal* Based on courses taught by the authors over many years, this innovative text is a lively and accessible analysis of people at work and the problems they have to confront. The student is introduced to a range of key themes in management such as: power and identity; consumption and bureaucracy; rational choice and meaning all through the medium of characters and situations in contemporary literature. The clear theoretical framework, supported by footnotes, summaries and further reading guides, makes this an introduction to management the student will find useful as well as enjoyable.

Solving Identity and Access Management in Modern Applications Springer Nature

Identity and Access Management: Business Performance Through Connected Intelligence provides you with a practical, in-depth walkthrough of how to plan, assess, design, and deploy IAM solutions. This book breaks down IAM into manageable components to ease systemwide implementation. The hands-on, end-to-end approach includes a proven step-by-step method for deploying IAM that has been used successfully in over 200 deployments. The book also provides reusable templates and source code examples in Java, XML, and SPML. Focuses on real-world implementations Provides end-to-end coverage of IAM from business drivers, requirements, design, and development to implementation Presents a proven, step-by-step method for deploying IAM that has been successfully used in over 200 cases Includes companion website with source code examples in Java, XML, and SPML as well as reusable templates

Consumer Identity & Access Management Packt Publishing Ltd

This book contains selected papers presented at the 15th IFIP WG 9.2, 9.6/11.7, 11.6/SIG 9.2.2 International Summer School on Privacy and Identity Management, held in Maribor, Slovenia, in September 2020.* The 13 full papers included in this volume were carefully reviewed and selected from 21 submissions. Also included is a summary paper of a tutorial. As in previous years, one of the goals of the IFIP Summer School was to encourage the publication of thorough research papers

by students and emerging scholars. The papers combine interdisciplinary approaches to bring together a host of perspectives, such as technical, legal, regulatory, socio-economic, social or societal, political, ethical, anthropological, philosophical, or psychological perspectives. *The summer school was held virtually.

A Guide to Claims-based Identity and Access Control River Publishers

Protect your organization's security at all levels by introducing the latest strategies for securing DevOps Key Features Integrate security at each layer of the DevOps pipeline Discover security practices to protect your cloud services by detecting fraud and intrusion Explore solutions to infrastructure security using DevOps principles Book Description DevOps has provided speed and quality benefits with continuous development and deployment methods, but it does not guarantee the security of an entire organization. *Hands-On Security in DevOps* shows you how to adopt DevOps techniques to continuously improve your organization's security at every level, rather than just focusing on protecting your infrastructure. This guide combines DevOps and security to help you to protect cloud services, and teaches you how to use techniques to integrate security directly in your product. You will learn how to implement security at every layer, such as for the web application, cloud infrastructure, communication, and the delivery pipeline layers. With the help of practical examples, you'll explore the core security aspects, such as blocking attacks, fraud detection, cloud forensics, and incident response. In the concluding chapters, you will cover topics on extending DevOps security, such as risk assessment, threat modeling, and continuous security. By the end of this book, you will be well-versed in implementing security in all layers of your organization and be confident in monitoring and blocking attacks throughout your cloud services. What you will learn Understand DevSecOps culture and organization Learn security requirements, management, and metrics Secure your architecture design by looking at threat modeling, coding tools and practices Handle most common security issues and explore black and white-box testing tools and practices Work with security monitoring toolkits and online fraud detection rules Explore GDPR and PII handling case studies to understand the DevSecOps lifecycle Who this book is for *Hands-On Security in DevOps* is for system administrators, security consultants, and DevOps engineers who want to secure their entire organization. Basic understanding of Cloud computing, automation frameworks, and programming is necessary.

Digital Identity and Access Management: Technologies and Frameworks Simon and Schuster

You may regard cloud computing as an ideal way for your company to control IT costs, but do you know how private and secure this service really is? Not many people do. With *Cloud Security and Privacy*, you'll learn what's at stake when you trust your data to the cloud, and what you can do to keep your virtual infrastructure and web applications secure. Ideal for IT staffers, information security and privacy practitioners, business managers, service providers, and investors alike, this book offers you sound advice from three well-known authorities in the tech security world. You'll learn detailed information on cloud computing security that-until now-has been sorely lacking. Review the current state of data security and storage in the cloud, including confidentiality, integrity, and availability Learn about the identity and access management (IAM) practice for authentication, authorization, and auditing of the users accessing cloud services Discover which security management frameworks and standards are relevant for the cloud Understand the privacy aspects you need to consider in the cloud, including how they compare with traditional computing models Learn the importance of audit and compliance functions within the cloud, and the various standards and frameworks to consider Examine security delivered as a service-a different facet of cloud security

Mastering Identity and Access Management with Microsoft Azure Facet Publishing

AAA Identity Management Security presents a one-stop source for reliable, up-to-date information on Cisco AAA solutions.

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