

azure workbooks graph

azure workbooks graph is a powerful tool designed to visualize and analyze data within Microsoft Azure environments. By utilizing Azure Workbooks, users can create interactive reports and dashboards that leverage real-time data from various Azure services. This article will explore the functionality of Azure Workbooks, focusing on the graph capabilities that enhance data visualization. We will cover how to create and customize graphs, the benefits of using Azure Workbooks for data analysis, and best practices to optimize your visualizations. Additionally, we will provide insights into the integration of Azure Workbooks with other Azure services, ensuring you can maximize its potential.

- Understanding Azure Workbooks
- Key Features of Azure Workbooks Graph
- Creating Graphs in Azure Workbooks
- Customizing Graphs for Better Insights
- Integrating Azure Workbooks with Other Azure Services
- Best Practices for Using Azure Workbooks Graph
- Conclusion

Understanding Azure Workbooks

Azure Workbooks is a flexible and powerful tool that allows users to create reports and dashboards from various Azure data sources. It serves as an interactive canvas where you can pull in data from Azure Monitor, Application Insights, Log Analytics, and other Azure services. The primary goal of Azure Workbooks is to make it easier to visualize, analyze, and share insights derived from data.

A notable aspect of Azure Workbooks is its ability to combine data from multiple sources into a single view. This capability is particularly valuable for users needing a comprehensive overview of their Azure resources and overall system performance. The user-friendly interface allows for easy customization, enabling users to tailor their reports to meet specific needs.

Key Features of Azure Workbooks Graph

The graph features within Azure Workbooks are designed to enhance data visualization, making complex data sets more accessible and understandable. Here are some key features of the graph

component:

- **Variety of Graph Types:** Azure Workbooks supports multiple graph types, including line charts, bar graphs, pie charts, and area charts, allowing users to choose the most suitable format for their data.
- **Interactive Elements:** Users can create interactive graphs that allow for drill-down capabilities, making it easier to explore data at different levels of granularity.
- **Real-Time Data:** Graphs can display real-time data, ensuring that users are always viewing the most current information.
- **Customizable Axes and Legends:** Users can customize the axes, legends, colors, and other elements of the graph to enhance readability and presentation.
- **Integration with Queries:** Azure Workbooks graphs can be directly linked to queries, enabling users to visualize the results of their data queries effortlessly.

Creating Graphs in Azure Workbooks

Creating graphs in Azure Workbooks is a straightforward process, allowing users to visualize their data effectively. Here's a step-by-step guide on how to create graphs:

Step 1: Open Azure Workbooks

To start, navigate to the Azure portal and select Azure Workbooks. You can either create a new workbook or open an existing one to add graphs to.

Step 2: Add a Query

Before adding a graph, you need to define the data you want to visualize. Use Kusto Query Language (KQL) to create a query that pulls the desired data from your Azure resources.

Step 3: Select Graph Type

Once you have your query results, select the "Add visualization" option and choose the type of graph you want to create. Azure Workbooks provides several options, including line charts for trends and bar charts for comparisons.

Step 4: Configure the Graph

After selecting the graph type, you can configure its settings. This includes adjusting the axes, choosing colors, and setting parameters for data labels. Customizing these elements is essential for clarity and effective communication of the data.

Step 5: Save and Share

Once your graph is complete, save your workbook. You can share it with other stakeholders within your organization, allowing them to gain insights from your visualizations.

Customizing Graphs for Better Insights

Customization is key to ensuring that your graphs convey the right message. Here are several ways to customize graphs in Azure Workbooks:

- **Use Filters:** Apply filters to your graphs to focus on specific data segments. This can help in highlighting trends or anomalies.
- **Change Chart Types:** Depending on the data, switching between different chart types can provide a clearer understanding of the information.
- **Adjust Time Ranges:** Customize the time range for your data to analyze trends over specific periods, which is particularly useful for monitoring performance metrics.
- **Add Annotations:** Incorporate annotations to highlight significant events or changes in the data, providing context to the visualizations.
- **Utilize Colors Effectively:** Use contrasting colors to differentiate data series, ensuring that viewers can easily understand the distinctions between them.

Integrating Azure Workbooks with Other Azure Services

One of the strengths of Azure Workbooks is its ability to integrate seamlessly with other Azure services. This integration enhances the functionality and depth of insights available through your visualizations. Some key integrations include:

- **Azure Monitor:** Connect your workbooks to Azure Monitor to visualize monitoring data, enabling proactive management of your resources.
- **Application Insights:** Integrate with Application Insights to visualize application performance metrics and user behavior.
- **Log Analytics:** Use Log Analytics data to create powerful visualizations that help in troubleshooting and performance analysis.
- **Azure Data Explorer:** Leverage Azure Data Explorer for advanced analytics and visualization of large datasets.
- **Azure Sentinel:** Utilize Azure Sentinel to visualize security-related data, helping in identifying threats and vulnerabilities.

Best Practices for Using Azure Workbooks Graph

To maximize the effectiveness of Azure Workbooks graphs, consider the following best practices:

- **Define Your Audience:** Understand who will be viewing the graphs and tailor them to meet their needs for clarity and relevance.
- **Keep It Simple:** Avoid cluttering graphs with too much information. Focus on key metrics and trends.
- **Regularly Update Queries:** Ensure that your data queries are regularly updated to reflect the most current information available.
- **Utilize Templates:** Use existing templates as a starting point to save time and maintain consistency across reports.
- **Solicit Feedback:** Gather feedback from users to refine and improve the visualizations based on their experiences and needs.

Conclusion

Azure Workbooks Graph is an essential tool for any organization looking to leverage data visualization in their Azure environment. By understanding how to create and customize graphs, integrating with other Azure services, and following best practices, users can gain valuable insights from their data. The combination of real-time data, interactive elements, and extensive customization options makes Azure Workbooks an invaluable resource for data analysis and reporting. As organizations increasingly rely on data-driven decision-making, mastering Azure Workbooks will be crucial for success.

Q: What is Azure Workbooks Graph?

A: Azure Workbooks Graph is a component of Azure Workbooks that allows users to create visual representations of their data, facilitating easier analysis and reporting.

Q: How do I create a graph in Azure Workbooks?

A: To create a graph in Azure Workbooks, open a workbook, add a query to pull data, select the graph type, configure the graph settings, and then save your workbook.

Q: Can I customize the graphs in Azure Workbooks?

A: Yes, Azure Workbooks allows for extensive customization of graphs, including changing chart types, adjusting axes, adding annotations, and applying filters.

Q: What are the benefits of using Azure Workbooks Graph?

A: The benefits include the ability to visualize real-time data, create interactive reports, combine data from multiple sources, and enhance data analysis for better decision-making.

Q: How does Azure Workbooks integrate with other Azure services?

A: Azure Workbooks integrates with services like Azure Monitor, Application Insights, Log Analytics, and Azure Data Explorer, allowing users to visualize comprehensive data across platforms.

Q: What are some best practices for using Azure Workbooks Graph?

A: Best practices include defining your audience, keeping visualizations simple, regularly updating queries, using templates, and soliciting feedback from users.

Q: Is Azure Workbooks suitable for large datasets?

A: Yes, Azure Workbooks can handle large datasets, especially when integrated with Azure Data Explorer, providing powerful visualization capabilities.

Q: Can I share my Azure Workbooks with others?

A: Yes, Azure Workbooks allows users to share their workbooks with other stakeholders within the organization, facilitating collaboration and data sharing.

Q: What types of graphs can I create in Azure Workbooks?

A: Azure Workbooks supports various graph types, including line charts, bar graphs, pie charts, and area charts, enabling users to choose the most appropriate format for their data.

Q: What is Kusto Query Language (KQL) used for in Azure Workbooks?

A: Kusto Query Language (KQL) is used to write queries that extract and analyze data from Azure resources, which can then be visualized in Azure Workbooks graphs.

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azure workbooks graph: FinOps Handbook for Microsoft Azure Maulik Soni, 2023-05-12 Drive financial visibility, set cost optimization goals, and reap savings for your organization with proven practices and invaluable insights Purchase of the print or Kindle book includes a free PDF eBook Key Features Build a FinOps team and foster cross-organizational collaboration to optimize costs Gain a deep insight into resource usage and rates to unlock the secrets of cost optimization Apply your FinOps expertise to run a successful practice, reinvesting savings into new feature development Book Description To gain a competitive edge in today's unpredictable economic climate, you'll need to unravel the mystery of saving costs on Microsoft Azure Cloud. This book helps you do just that with proven strategies for building, running, and sustaining repeated cost optimization initiatives across your organization. You'll learn how to collaborate with finance, procurement, product, and engineering teams to optimize your cloud spend and achieve cost savings that can make a significant

impact on your bottom line. The book begins by showing you how to effectively monitor and manage your cloud usage, identify cost-saving opportunities, and implement changes that'll reduce your overall spend. Whether you're a small start-up or a large enterprise, this book will equip you with the knowledge and skills needed to achieve cost savings and maintain a lean cloud infrastructure. As you advance, you'll find out how to benchmark your current cloud spend and establish a budget for cloud usage. Throughout the chapters, you'll learn how to negotiate with your cloud provider to optimize your rate, allocate cost for the container, and gain a solid understanding of metric-driven cost optimization. By the end of this FinOps book, you'll have become proficient in Azure Cloud financial management with the help of real-world examples, use cases, and scenarios. What you will learn

- Get the grip of all the activities of FinOps phases for Microsoft Azure
- Understand architectural patterns for interruptible workload on Spot VMs
- Optimize savings with Reservations, Savings Plans, Spot VMs
- Analyze waste with customizable pre-built workbooks
- Write an effective financial business case for savings
- Apply your learning to three real-world case studies
- Forecast cloud spend, set budgets, and track accurately

Who this book is for This book is for cloud governance experts, finance managers, procurement specialists, product developers, and engineering teams looking to get clear and actionable guidance needed to implement all the phases of the FinOps life cycle in the Microsoft Azure context. This book is ideal for anyone with a basic understanding of financial terms, analytics tools, and the Azure cloud.

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azure workbooks graph: Developing Solutions for Microsoft Azure AZ-204 Exam Guide Paul Ivey, Alex Ivanov, 2022-10-19 Build a thorough understanding of the technology, concepts, and development patterns used in building applications in Azure, through detailed explanations, hands-on exercises, and downloadable code samples Key Features Written by two Microsoft technical trainers to help you explore the exam topics in a structured way Understand the “why”, and not just “how” behind design and solution decisions Follow along examples with downloadable code samples to help cement each topic’s learning objective Book Description With the prevalence of cloud technologies and DevOps ways of working, the industry demands developers who can build cloud solutions and monitor them throughout their life cycle. Becoming a Microsoft-certified Azure developer can differentiate developers from the competition, but with such a plethora of information available, it can be difficult to structure learning in an effective way to obtain certification. Through easy-to-understand explanations and exercises, this book will provide a more palatable learning

experience than what you may expect from an exam preparation book. You'll start off with a recap of some important cloud concepts, such as IaaS, PaaS, and SaaS. From there, you'll learn about each relevant solution area, with use cases. The chapters also cover different implementation methodologies, both manual and programmatic - ranging from compute resources such as App Service and serverless applications to storage, database, security, monitoring solutions, and connecting to third-party services. By the end of this book, you'll have learned everything you need to pass the AZ-204 certification exam and have a handy, on-the-job reference guide. What you will learn

- Develop Azure compute solutions
- Discover tips and tricks from Azure experts for interactive learning
- Use Cosmos DB storage and blob storage for developing solutions
- Develop secure cloud solutions for Azure
- Use optimization, monitoring, and troubleshooting for Azure solutions
- Develop Azure solutions connected to third-party services

Who this book is for This book is for Azure developers looking to improve their Azure development knowledge to pass the AZ-204 exam. This book assumes at least one year of professional development experience with Azure, with the ability to program in at least one language supported by Azure. Existing Azure CLI and PowerShell skills will also be useful.

azure workbooks graph: Microsoft Azure Sentinel Yuri Diogenes, Nicholas DiCola, Tiander Turpijn, 2022-08-05 Build next-generation security operations with Microsoft Sentinel Microsoft Sentinel is the scalable, cloud-native, security information and event management (SIEM) solution for automating and streamlining threat identification and response across your enterprise. Now, three leading experts guide you step-by-step through planning, deployment, and operations, helping you use Microsoft Sentinel to escape the complexity and scalability challenges of traditional solutions. Fully updated for the latest enhancements, this edition introduces new use cases for investigation, hunting, automation, and orchestration across your enterprise and all your clouds. The authors clearly introduce each service, concisely explain all new concepts, and present proven best practices for maximizing Microsoft Sentinel's value throughout security operations. Three of Microsoft's leading security operations experts show how to:

- Review emerging challenges that make better cyberdefense an urgent priority
- See how Microsoft Sentinel responds by unifying alert detection, threat visibility, proactive hunting, and threat response
- Explore components, architecture, design, and initial configuration
- Ingest alerts and raw logs from all sources you need to monitor
- Define and validate rules that prevent alert fatigue
- Use threat intelligence, machine learning, and automation to triage issues and focus on high-value tasks
- Add context with User and Entity Behavior Analytics (UEBA) and Watchlists
- Hunt sophisticated new threats to disrupt cyber kill chains before you're exploited
- Enrich incident management and threat hunting with Jupyter notebooks
- Use Playbooks to automate more incident handling and investigation tasks
- Create visualizations to spot trends, clarify relationships, and speed decisions
- Simplify integration with point-and-click data connectors that provide normalization, detection rules, queries, and Workbooks

About This Book For cybersecurity analysts, security administrators, threat hunters, support professionals, engineers, and other IT professionals concerned with security operations For both Microsoft Azure and non-Azure users at all levels of experience

azure workbooks graph: Learn Azure Sentinel Richard Diver, Gary Bushey, 2020-04-07 Understand how to set up, configure, and use Azure Sentinel to provide security incident and event management services for your environment

Key Features

- Secure your network, infrastructure, data, and applications on Microsoft Azure effectively
- Integrate artificial intelligence, threat analysis, and automation for optimal security solutions
- Investigate possible security breaches and gather forensic evidence to prevent modern cyber threats

Book Description Azure Sentinel is a Security Information and Event Management (SIEM) tool developed by Microsoft to integrate cloud security and artificial intelligence (AI). Azure Sentinel not only helps clients identify security issues in their environment, but also uses automation to help resolve these issues. With this book, you'll implement Azure Sentinel and understand how it can help find security incidents in your environment with integrated artificial intelligence, threat analysis, and built-in and community-driven logic. This book starts with an introduction to Azure Sentinel and Log Analytics. You'll get to grips with data collection and

management, before learning how to create effective Azure Sentinel queries to detect anomalous behaviors and patterns of activity. As you make progress, you'll understand how to develop solutions that automate the responses required to handle security incidents. Finally, you'll grasp the latest developments in security, discover techniques to enhance your cloud security architecture, and explore how you can contribute to the security community. By the end of this book, you'll have learned how to implement Azure Sentinel to fit your needs and be able to protect your environment from cyber threats and other security issues. What you will learn

Understand how to design and build a security operations center
Discover the key components of a cloud security architecture
Manage and investigate Azure Sentinel incidents
Use playbooks to automate incident responses
Understand how to set up Azure Monitor Log Analytics and Azure Sentinel
Ingest data into Azure Sentinel from the cloud and on-premises devices
Perform threat hunting in Azure Sentinel

Who this book is for This book is for solution architects and system administrators who are responsible for implementing new solutions in their infrastructure. Security analysts who need to monitor and provide immediate security solutions or threat hunters looking to learn how to use Azure Sentinel to investigate possible security breaches and gather forensic evidence will also benefit from this book. Prior experience with cloud security, particularly Azure, is necessary.

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Key Features

- Develop your business case for the cloud with technical guidance from industry experts
- Address critical business challenges effectively by leveraging proven combinations of Azure services
- Tackle real-world scenarios by applying practical knowledge of reference architectures

Purchase of the print or Kindle book includes a free PDF eBook

Book Description

Azure is a sophisticated technology that requires a detailed understanding to reap its full potential and employ its advanced features. This book provides you with a clear path to designing optimal cloud-based solutions in Azure, by delving into the platform's intricacies. You'll begin by understanding the effective and efficient security management and operation techniques in Azure to implement the appropriate configurations in Microsoft Entra ID. Next, you'll explore how to modernize your applications for the cloud, examining the different computation and storage options, as well as using Azure data solutions to help migrate and monitor workloads. You'll also find out how to build your solutions, including containers, networking components, security principles, governance, and advanced observability. With practical examples and step-by-step instructions, you'll be empowered to work on infrastructure-as-code to effectively deploy and manage resources in your environment. By the end of this book, you'll be well-equipped to navigate the world of cloud computing confidently.

What you will learn

- Implement and monitor cloud ecosystem including, computing, storage, networking, and security
- Recommend optimal services for performance and scale
- Provide, monitor, and adjust capacity for optimal results
- Craft custom Azure solution architectures
- Design computation, networking, storage, and security aspects in Azure
- Implement and maintain Azure resources effectively

Who this book is for

This book is an indispensable resource for Azure architects looking to develop cloud-based services along with deploying and managing applications within the Microsoft Azure ecosystem. It caters to professionals responsible for crucial IT operations, encompassing budgeting, business continuity, governance, identity management, networking, security, and automation. If you have prior experience in operating systems, virtualization, infrastructure, storage structures, or networking, and aspire to master the implementation of best practices in the Azure cloud, then this book will become your go-to guide.

azure workbooks graph: Cloud Observability with Azure Monitor José Ángel Fernández, Manuel Lázaro Ramírez, 2024-11-22 Implement real-time monitoring, visualization, analytics, and troubleshooting strategies on Azure to ensure optimal performance and reliability in your cloud environment

Key Features

- Monitor Azure-native, hybrid, and multi-cloud infrastructure effectively
- Design proactive incident responses and visualization dashboards for configuring, optimizing, and monitoring data
- Implement strategies for monitoring Azure applications using real-world case studies

Purchase of the print or Kindle book includes a free PDF eBook

Book Description

Cloud

observability is complex and costly due to the use of hybrid and multi-cloud infrastructure as well as various Azure tools, hampering IT teams' ability to monitor and analyze issues. The authors distill their years of experience with Microsoft to share the strategic insights and practical skills needed to optimize performance, ensure reliability, and navigate the dynamic landscape of observability on Azure. You'll get an in-depth understanding of cloud observability and Azure Monitor basics, before getting to grips with the configuration and optimization of data sources and pipelines for effective monitoring. You'll learn about advanced data analysis techniques using metrics and the Kusto Query Language (KQL) for your logs, design proactive incident response strategies with automated alerts, and visualize reports via dashboards. Using hands-on examples and best practices, you'll explore the integration of Azure Monitor with Azure Arc and third-party tools, such as Datadog, Elastic Stack, or Dynatrace. You'll also implement artificial intelligence for IT Operations (AIOps) and secure monitoring for hybrid and multi-cloud environments, aligned with emerging trends. By the end of this book, you'll be able to develop robust and cost-optimized observability solutions for monitoring your Azure infrastructure and apps using Azure Monitor. What you will learn

- Get a holistic overview of cloud observability with Azure Monitor
- Configure and optimize data sources to monitor Azure solutions
- Analyze logs and metrics using advanced data analysis techniques with KQL
- Design proactive incident response strategies with automated alerts
- Visualize monitoring data through impactful dashboards and reports
- Extend observability to hybrid and multi-cloud environments with Azure Arc
- Build and implement monitoring solutions on Azure, aligned with industry standards

Who this book is for If you're a seasoned cloud engineer, cloud architect, DevOps engineer, SRE, or an aspiring cloud practitioner eager to elevate your observability skills on Azure and implement monitoring strategies using Azure Monitor, then this book is for you. A basic understanding of Azure cloud services, cloud infrastructure management, and network virtualization will be helpful.

azure workbooks graph: *Azure FinOps Essentials* Parag Bhardwaj, Arun Kumar Samayam, 2024-09-30

DESCRIPTION Azure FinOps, the intersection of finance, operations, and technology, has become paramount in optimizing cloud spending. "Azure FinOps Essentials" is a guide to help you navigate easily with cost management and optimization within Microsoft Cloud. This book is a practical guide to cutting cloud costs in Microsoft Azure. It covers everything from understanding Azure services and cost management to advanced strategies like Infrastructure as Code and serverless computing. You will learn to set up Azure Cost Management, optimize resources with tools like Reserved Instances, and enforce governance using Azure Policy. The book also highlights case studies and best practices to help you build a FinOps culture, streamline costs, and enhance cost-efficiency in your cloud environment. If you are new to cloud financial management or need a refresher on some of the best practices, Azure FinOps Essentials is designed for anyone running an operational workload in both public and private clouds who wants to improve their expense management within the environment.

KEY FEATURES

- An in-depth guide to the fundamentals of Azure cost management.
- Detailed instructions for creating cost alerts and establishing budgets.
- Practical strategies to enhance cloud resource efficiency.

WHAT YOU WILL LEARN

- Establish and enforce standards for Azure cloud cost management through auditing.
- Learn cost-saving tactics like rightsizing and using Reserved Instances.
- Master Azure tools for monitoring spending, budgeting, and setting up alerts.
- Build custom dashboards to accurately display key financial metrics.
- Implement governance and compliance for effective cloud financial management.

WHO THIS BOOK IS FOR This book is for cloud architects, DevOps engineers and IT professionals managing costs in Azure environments. It provides the necessary knowledge and skills to optimize cloud spending, improve efficiency, and drive business value.

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azure workbooks graph: *Microsoft Sentinel in Action* Richard Diver, Gary Bushey, John

Perkins, 2022-02-10 Learn how to set up, configure, and use Microsoft Sentinel to provide security incident and event management services for your multi-cloud environment Key Features Collect, normalize, and analyze security information from multiple data sources Integrate AI, machine learning, built-in and custom threat analyses, and automation to build optimal security solutions Detect and investigate possible security breaches to tackle complex and advanced cyber threats Book Description Microsoft Sentinel is a security information and event management (SIEM) tool developed by Microsoft that helps you integrate cloud security and artificial intelligence (AI). This book will teach you how to implement Microsoft Sentinel and understand how it can help detect security incidents in your environment with integrated AI, threat analysis, and built-in and community-driven logic. The first part of this book will introduce you to Microsoft Sentinel and Log Analytics, then move on to understanding data collection and management, as well as how to create effective Microsoft Sentinel queries to detect anomalous behaviors and activity patterns. The next part will focus on useful features, such as entity behavior analytics and Microsoft Sentinel playbooks, along with exploring the new bi-directional connector for ServiceNow. In the next part, you'll be learning how to develop solutions that automate responses needed to handle security incidents and find out more about the latest developments in security, techniques to enhance your cloud security architecture, and explore how you can contribute to the security community. By the end of this book, you'll have learned how to implement Microsoft Sentinel to fit your needs and protect your environment from cyber threats and other security issues. What you will learn Implement Log Analytics and enable Microsoft Sentinel and data ingestion from multiple sources Tackle Kusto Query Language (KQL) coding Discover how to carry out threat hunting activities in Microsoft Sentinel Connect Microsoft Sentinel to ServiceNow for automated ticketing Find out how to detect threats and create automated responses for immediate resolution Use triggers and actions with Microsoft Sentinel playbooks to perform automations Who this book is for You'll get the most out of this book if you have a good grasp on other Microsoft security products and Azure, and are now looking to expand your knowledge to incorporate Microsoft Sentinel. Security experts who use an alternative SIEM tool and want to adopt Microsoft Sentinel as an additional or a replacement service will also find this book useful.

azure workbooks graph: Efficient Cloud FinOps Alfonso San Miguel Sánchez, Danny Obando García, 2024-02-23 Explore cloud economics and cost optimization for Azure, AWS, and GCP with this practical guide covering methods, strategies, best practices, and real-world examples, bridging theory and application Key Features Learn cost optimization best practices on different cloud services using FinOps principles and examples Gain hands-on expertise in improving cost estimations and devising cost reduction plans for Azure, AWS, and GCP Analyze case studies that illustrate the application of FinOps in diverse real-world scenarios Purchase of the print or Kindle book includes a free PDF eBook Book Description In response to the escalating challenges of cloud adoption, where balancing costs and maximizing cloud values is paramount, FinOps practices have emerged as the cornerstone of financial optimization. This book serves as your comprehensive guide to understanding how FinOps is implemented in organizations worldwide through team collaboration and proper cloud governance. Presenting FinOps from a practical point of view, covering the three phases—inform, optimize, and operate—this book demonstrates an end-to-end methodology for optimizing costs and performing financial management in the cloud. You'll learn how to design KPIs and dashboards for judicious cost allocation, covering key features of cloud services such as reserved instances, rightsizing, scaling, and automation for cost optimization. This book further simplifies architectural concepts and best practices, enabling you to design superior and more optimized solutions. Finally, you'll discover potential synergies and future challenges, from the integration of artificial intelligence to cloud sustainability considerations, to prepare for the future of cloud FinOps. By the end of this book, you'll have built the expertise to seamlessly implement FinOps practices across major public clouds, armed with insights and ideas to propel your organization toward business growth. What you will learn Examine challenges in cloud adoption and cost optimization Gain insight into the integration of FinOps within organizations Explore the

synergies between FinOps and DevOps, IaC, and change management Leverage tools such as Azure Advisor, AWS CUDOS, and GCP cost reports Estimate and optimize costs using cloud services key features and best practices Implement cost dashboards and reports to improve visibility and control Understand FinOps roles and processes crucial for organizational success Apply FinOps through real-life examples and multicloud architectures Who this book is for This book is for cloud engineers, cloud and solutions architects, as well as DevOps and SysOps engineers interested in learning more about FinOps and cloud financial management for efficiently architecting, designing, and operating software solutions and infrastructure using the public clouds. Additionally, team leads, project managers, and financial teams aiming to optimize cloud resources will also find this book useful. Prior knowledge of cloud computing and major public clouds is assumed.

azure workbooks graph: Exam Ref AZ-900 Microsoft Azure Fundamentals Jim Cheshire, 2022-08-15 Prepare for the updated version of Microsoft Exam AZ-900 and help demonstrate your real-world knowledge of cloud services and how they can be provided with Microsoft Azure, including high-level concepts that apply throughout Azure, and key concepts specific to individual services. Designed for professionals in both non-technical or technical roles, this Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified Fundamentals level. Focus on the expertise measured by these objectives: Describe cloud concepts Describe Azure architecture and services Describe Azure management and governance This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Assumes you want to show foundational knowledge of cloud services and their delivery with Microsoft Azure About the Exam Exam AZ-900 focuses on knowledge needed to describe cloud computing; the benefits of using cloud services; cloud service types; core Azure architectural components; Azure compute, networking, and storage services; Azure identity, access, and security; Azure cost management; Azure features and tools for governance and compliance, and for managing and deploying resources; and Azure monitoring tools. About Microsoft Certification Passing this exam fulfills your requirements for the Microsoft Certified: Azure Fundamentals credential, validating your basic knowledge of cloud services and how those services are provided with Azure. Whether you're new to the field or a seasoned professional, demonstrating this knowledge can help you jump-start your career and prepare you to dive deeper into the many technical opportunities Azure offers.

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