

finops workbooks

finops workbooks are essential tools for organizations looking to implement and optimize their financial operations in the cloud. They provide a structured approach to managing cloud costs, forecasting expenses, and ensuring that financial accountability is maintained across departments. This article delves into the specifics of finops workbooks, including their purpose, components, best practices for creation and usage, and their role in enhancing financial visibility and control. By understanding these elements, organizations can significantly improve their cloud financial management practices.

- Introduction to FinOps Workbooks
- What are FinOps Workbooks?
- Key Components of FinOps Workbooks
- Best Practices for Creating FinOps Workbooks
- The Role of FinOps Workbooks in Cloud Financial Management
- Challenges in Implementing FinOps Workbooks
- Future Trends in FinOps Workbooks
- Conclusion
- FAQ

What are FinOps Workbooks?

FinOps workbooks are structured documents or spreadsheets designed to facilitate financial operations within cloud environments. They serve as a repository for data related to cloud spending, budgeting, and forecasting. By consolidating various financial metrics and analysis, finops workbooks enable organizations to gain insights into their cloud expenditures, helping them make informed decisions regarding resource allocation and cost management.

These workbooks can vary in complexity from simple spreadsheets tracking costs to comprehensive models integrating various financial metrics. The primary objective is to provide clarity and transparency in financial data, allowing teams to collaborate effectively and align their efforts with broader business goals.

Key Components of FinOps Workbooks

A well-structured finops workbook typically includes several key components that contribute to its effectiveness in managing cloud financial operations. Understanding these components is crucial for organizations aiming to implement finops principles successfully.

Cost Allocation

Cost allocation is a fundamental element of finops workbooks. It involves categorizing cloud expenses based on various factors such as department, project, or application. This allows organizations to identify which areas are consuming the most resources and adjust their budgets accordingly.

Budgeting and Forecasting

Incorporating budgeting and forecasting into finops workbooks enables organizations to plan their future cloud expenditures. This involves analyzing historical data to predict future spending patterns and setting budgets that align with business objectives. Accurate forecasting helps prevent overspending and ensures resources are allocated efficiently.

Reporting and Analytics

Reporting and analytics features in finops workbooks provide stakeholders with insights into cloud spending trends. By including visualizations and key performance indicators (KPIs), organizations can easily track their financial performance and make data-driven decisions. Reports can be customized to meet the needs of different teams, enhancing overall financial visibility.

Best Practices for Creating FinOps Workbooks

Creating effective finops workbooks requires careful planning and execution. Here are some best practices to follow:

- **Define Clear Objectives:** Establish the purpose of the workbook. Determine what financial metrics are essential for tracking and analysis.
- **Standardize Data Entry:** Use consistent formats for data entry to ensure accuracy and ease of use. This includes establishing naming conventions and data types.
- **Incorporate Automation:** Where possible, automate data collection and reporting processes to reduce manual errors and save time.
- **Collaborate Across Teams:** Involve different departments in the creation process to ensure the workbook meets diverse needs and encourages collaboration.
- **Regularly Update the Workbook:** Keep the workbook current by regularly updating data and incorporating feedback from users to improve its functionality.

The Role of FinOps Workbooks in Cloud Financial Management

FinOps workbooks play a pivotal role in cloud financial management by providing a framework for controlling and optimizing cloud spending. They facilitate better decision-making by offering a comprehensive view of costs and efficiencies. Here are some specific roles they fulfill:

Enhancing Transparency

By centralizing cloud financial data, finops workbooks enhance transparency across the organization. Stakeholders can access relevant financial information easily, fostering a culture of accountability and informed decision-making.

Supporting Cost Optimization

FinOps workbooks enable organizations to identify cost-saving opportunities. By analyzing spending patterns, teams can pinpoint underutilized resources and adjust their strategies to optimize costs effectively.

Facilitating Collaboration

The collaborative nature of finops workbooks promotes cross-functional teamwork. Various departments can contribute to and benefit from the financial insights, leading to more aligned goals and strategies.

Challenges in Implementing FinOps Workbooks

While finops workbooks offer numerous benefits, organizations may face challenges during their implementation. Recognizing these challenges can help teams develop strategies to overcome them.

Data Accuracy and Quality

Ensuring data accuracy is critical for the effectiveness of finops workbooks. Inaccurate data can lead to misinformed decisions and financial discrepancies. Organizations must establish robust data validation processes to maintain high-quality data.

Change Management

Implementing finops workbooks may require cultural shifts within the organization. Resistance to change can hinder adoption and utilization. It is essential to communicate the benefits of finops practices and provide adequate training to ease the transition.

Integration with Existing Systems

Integrating finops workbooks with existing financial systems and tools can be complex. Organizations must ensure compatibility and streamline processes to create a seamless flow of information.

Future Trends in FinOps Workbooks

The evolution of cloud financial management will continue to influence the development of finops workbooks. Here are some trends to watch:

Increased Automation

As organizations seek efficiency, the use of automation in finops workbooks will likely increase. Automated data collection and reporting will enhance accuracy and reduce the manual workload on finance teams.

Advanced Analytics

The integration of advanced analytics and machine learning into finops workbooks will provide deeper insights into spending patterns. Predictive analytics can enhance budgeting and forecasting accuracy, allowing organizations to make more informed financial decisions.

Focus on Sustainability

There is a growing emphasis on sustainable practices within organizations. Finops workbooks will likely evolve to include metrics that assess the environmental impact of cloud spending, aligning financial management with sustainability goals.

Conclusion

Finops workbooks are indispensable tools for organizations striving to enhance their cloud financial management practices. By facilitating cost allocation, budgeting, forecasting, and reporting, these workbooks empower teams to optimize their cloud expenditures effectively. While challenges exist in their implementation, the benefits far outweigh the obstacles. Looking ahead, the future of finops workbooks will be shaped by trends in automation, analytics, and sustainability, further solidifying their role in strategic financial operations.

Q: What are finops workbooks used for?

A: Finops workbooks are used to manage and optimize cloud financial operations, providing visibility into spending, budgeting, and forecasting.

Q: How do I create a finops workbook?

A: To create a finops workbook, define clear objectives, standardize data entry, incorporate automation, collaborate across teams, and regularly update the workbook.

Q: What challenges might I face when implementing finops workbooks?

A: Challenges include ensuring data accuracy, managing organizational change, and integrating with existing financial systems.

Q: Can finops workbooks help with cost optimization?

A: Yes, finops workbooks help identify cost-saving opportunities by analyzing spending patterns and resource utilization.

Q: What future trends should I be aware of regarding finops workbooks?

A: Future trends include increased automation, advanced analytics, and a focus on sustainability metrics within finops practices.

Q: Who should be involved in the creation of finops workbooks?

A: Involvement from various departments, including finance, IT, and operations, is crucial to ensure the workbook meets diverse needs and fosters collaboration.

Q: How often should finops workbooks be updated?

A: Finops workbooks should be updated regularly to reflect current data and incorporate user feedback for continuous improvement.

Q: What metrics are typically included in finops workbooks?

A: Common metrics include cloud spending by department, budget vs. actuals, resource utilization rates, and forecasting accuracy.

Q: How can I ensure the data in my finops workbook is accurate?

A: Implement robust data validation processes, automate data collection where possible, and regularly audit the information for consistency and accuracy.

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finops workbooks: 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. TABLE OF CONTENTS 1. Introduction to Azure FinOps 2. Azure Fundamentals for FinOps 3. Azure Cost Management and Billing 4. Cost Optimization Strategies 5. Azure Monitoring 6. Cost Allocation and Chargebacks 7. Governance and Compliance 8. Advanced Azure FinOps Techniques 9. Azure FinOps Best Practices 10. Azure Case Studies and Real-world Examples 11. Future Trends and Innovations in Azure FinOps 12. Final Thoughts and Next Steps

finops workbooks: 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.

finops workbooks: *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.

finops workbooks: *Ultimate FinOps for Azure* Anderson Candido Oliveira, 2025-07-31

TAGLINE Empower Your Cloud Journey with Expert FinOps Strategies for Microsoft Azure!

KEY FEATURES

- Learn Azure cost optimization through real-world FinOps practices.
- Master tagging, automation, and reporting for cloud cost control.
- Discover actionable savings using Azure-native

tools and data. **DESCRIPTION** As cloud operations grow, controlling costs in Microsoft Azure is no longer optional, it's a strategic priority. FinOps is the discipline of cloud financial management, empowers engineering, finance, and operations teams to collaborate and drive greater business value.. Ultimate FinOps for Azure is a comprehensive, hands-on guide designed to help professionals bring financial discipline and accountability into Azure environments. The book begins by laying the groundwork with core FinOps principles and explains how Azure's unique pricing and consumption models impact cost management. From there, it walks you through every stage of the FinOps lifecycle: collecting and analyzing usage data, designing robust tagging strategies, allocating costs effectively, and generating actionable reports. You'll explore how to leverage Azure-native tools such as Cost Management, Billing, Azure Advisor, and Kusto Query Language (KQL) to uncover inefficiencies and optimize spending in real time. Additionally, the book covers automation techniques for governance, and a forward-looking chapter on how AI and machine learning can enhance forecasting and decision-making in FinOps. Supported by real-world examples and case studies, it offers both strategic insight and tactical guidance. Whether you're launching your first FinOps practice or scaling an enterprise-grade cost management function, this book equips you with the knowledge and confidence to lead. Don't let rising Azure costs undermine your cloud success—embrace FinOps and transform your cloud financial strategy. **WHAT WILL YOU LEARN** ● Understand the FinOps lifecycle and how it fits within Azure environments. ● Analyze Azure usage and billing data to uncover cost-saving insights. ● Implement scalable tagging and cost allocation strategies for clarity. ● Create impactful, real-time cost and usage reports with Azure tools and KQL. ● Automate governance and optimize cloud spend with actionable policies. ● Explore how AI and machine learning can forecast and enhance FinOps outcomes. **WHO IS THIS BOOK FOR?** This book is tailored for FinOps professionals, cloud architects, IT leaders, finance teams, DevOps practitioners, and students aiming to master cost optimization on Microsoft Azure. It bridges technical and financial domains, equipping readers to drive accountability, efficiency, and value in cloud investments. **TABLE OF CONTENTS** 1. Introduction to FinOps 2. Introduction to Microsoft Azure 3. Setting Up for Success 4. Data Collection and Analysis 5. Cost Allocation 6. Introduction to Tagging in Azure 7. Reporting 8. Identifying Cost Saving Opportunities 9. Automation and Governance 10. Continuous Improvement 11. Artificial Intelligence and FinOps 12. Appendix Appendix 1 Unit Economics Examples Appendix 2 Codes Compilation Appendix 3 Glossary of Terms Index

finops workbooks: Optimizing Microsoft Azure Workloads Rithin Skaria, 2023-08-11
Master Azure Well-Architected Framework and improve your optimization skills by enhancing the quality of your workloads Purchase of the print or Kindle book includes a free PDF eBook Key Features Learn Well-Architected Framework from a cloud solution architect and an official Microsoft trainer Optimize your workloads in Azure by following Microsoft recommended best practices Use reference architecture and Microsoft tests to conduct Well-Architected Framework (WAF) assessment Book DescriptionIt's easy to learn and deploy resources in Microsoft Azure, without worrying about resource optimization. However, for production or mission critical workloads, it's crucial that you follow best practices for resource deployment to attain security, reliability, operational excellence and performance. Apart from these aspects, you need to account for cost considerations, as it's the leading reason for almost every organization's cloud transformation. In this book, you'll learn to leverage Microsoft Well-Architected Framework to optimize your workloads in Azure. This Framework is a set of recommended practices developed by Microsoft based on five aligned pillars; cost optimization, performance, reliability, operational excellence, and security. You'll explore each of these pillars and discover how to perform an assessment to determine the quality of your existing workloads. Through the book, you'll uncover different design patterns and procedures related to each of the Well-Architected Framework pillars. By the end of this book, you'll be well-equipped to collect and assess data from an Azure environment and perform the necessary upturn of your Azure workloads.What you will learn Dive deep into the Azure Well-Architected Framework Explore the differences between Cloud Adoption Framework and Well-Architected

Framework Understand the pillars of the Well-Architected Framework Discover varied techniques to improve the cost profile of your workload Optimize your workflows using Azure Advisor and its score Plan and prioritize the implementation of security recommendations from WAF assessments Who this book is for This book is for developers, cloud solution architects, cloud administrators, and professionals experienced in design, implementation, and management of Azure resources. Professionals looking to learn cloud optimization or switch to a new role related to architecture can benefit from this book. An intermediate level understanding of the Microsoft Azure platform and services is a must. Experience in implementing or designing solutions in Azure is a plus but not mandatory.

finops workbooks: Azure Architecture Explained David Rendón, Brett Hargreaves, 2023-09-22 Enhance your career as an Azure architect with cutting-edge tools, expert guidance, and resources from industry leaders 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.

finops workbooks: Cloud FinOps J. R. Storment, Mike Fuller, 2019 Despite many uncertainties in cloud computing, one truth is evident: costs will always tend to go up unless you're actively engaged in the process. Whether you're new to managing cloud spend or a seasoned pro, this book will clarify the often misunderstood workings of cloud billing fundamentals and provide expert strategies on creating a culture of cloud cost management in your organization. Drawing on real-world examples of successes and failures of large-scale cloud spenders, this book outlines a road map for building a culture of FinOps in your organization. Beginning with the fundamental concepts required to understand cloud billing concepts, you'll learn how to enable an efficient and effective FinOps machine. Learn how the cloud works when it comes to financial management Set up a FinOps team and build a framework for making spend efficiency a priority Examine the anatomy of a cloud bill and learn how to manage it Get operational recipes for maximizing cloud efficiency Understand how to motivate engineering teams to take cost-saving actions Explore the FinOps lifecycle: Inform, Optimize, and Operate Learn the DNA of a highly functional cloud FinOps culture.

finops workbooks: Cloud FinOps J.R. Storment, Mike Fuller, 2019-12-12 Despite many

uncertainties in cloud computing, one truth is evident: costs will always tend to go up unless you're actively engaged in the process. Whether you're new to managing cloud spend or a seasoned pro, this book will clarify the often misunderstood workings of cloud billing fundamentals and provide expert strategies on creating a culture of cloud cost management in your organization. Drawing on real-world examples of successes and failures of large-scale cloud spenders, this book outlines a road map for building a culture of FinOps in your organization. Beginning with the fundamental concepts required to understand cloud billing concepts, you'll learn how to enable an efficient and effective FinOps machine. Learn how the cloud works when it comes to financial management Set up a FinOps team and build a framework for making spend efficiency a priority Examine the anatomy of a cloud bill and learn how to manage it Get operational recipes for maximizing cloud efficiency Understand how to motivate engineering teams to take cost-saving actions Explore the FinOps lifecycle: Inform, Optimize, and Operate Learn the DNA of a highly functional cloud FinOps culture

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finops workbooks: Implementing CI/CD Using Azure Pipelines Piti Champeethong, Roberto Mardeni, 2023-12-28 Leverage Azure Pipelines to build, test, monitor, and deploy CI/CD solutions on Azure, AWS, and Flutter mobile apps while integrating with tools like Jenkins and SonarQube using best practices Key Features Develop automated end-to-end CI/CD solutions with Azure Pipelines Learn how to implement and configure your pipeline using real-world examples and scenarios Gain the skills you need to efficiently develop and deploy your organization's software Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionContinuous integration and continuous delivery (CI/CD) are ubiquitous concepts in modern development. Azure Pipelines is one of the most popular services that you can utilize for CI/CD, and this book shows you how it works by taking you through the process of building and automating CI/CD systems using Azure Pipelines and YAML, simplifying integration with Azure resources and reducing human error. You'll begin by

getting an overview of Azure Pipelines and why you should use it. Next, the book helps you get to grips with build and release pipelines, and then builds upon this by introducing the extensive power of YAML syntax, which you can use to implement and configure any task you can think of. As you advance, you'll discover how to integrate Infrastructure as Code tools, such as Terraform, and perform code analysis with SonarQube. In the concluding chapters, you'll delve into real-life scenarios and hands-on implementation tasks with Microsoft Azure services, AWS, and cross-mobile application with Flutter, Google Firebase, and more. By the end of this book, you'll be able to design and build CI/CD systems using Azure Pipelines with consummate ease, write code using YAML, and configure any task that comes to mind. What you will learn

- Create multiple jobs, stages, and tasks on the Azure DevOps portal
- Use YAML syntax for Node.js, .NET, Docker, and SQL Server tasks
- Automate microservice applications on Azure Kubernetes Service (AKS) clusters
- Deploy Docker applications on AWS container services
- Use SonarQube and Jenkins for security and artifacts
- Implement CI/CD on Flutter-based mobile applications
- Utilize Azure Key Vault secrets in Azure Pipelines
- Build a Node.js application in Azure Container Instances

Who this book is for This book is for DevOps engineers, release engineers, SREs, application developers, and sysadmins looking to manage CI/CD using Azure Pipelines with the help of real-world use cases. A clear understanding of cloud computing services on Azure and AWS, DevOps, and CI/CD concepts, along with knowledge of building and deploying web and mobile applications automatically on cloud is assumed.

finops workbooks: Google Cloud FinOps Certification Cybellium, 2024-10-26 Designed for professionals, students, and enthusiasts alike, our comprehensive books empower you to stay ahead in a rapidly evolving digital world.

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finops workbooks: Cloud FinOps J.R. Storment, Mike Fuller, 2023-01-19 FinOps brings financial accountability to the variable spend model of cloud. Used by the majority of global enterprises, this management practice has grown from a fringe activity to the de facto discipline managing cloud spend. In this book, authors J.R. Storment and Mike Fuller outline the process of building a culture of cloud FinOps by drawing on real-world successes and failures of large-scale cloud spenders. Engineering and finance teams, executives, and FinOps practitioners alike will learn how to build an efficient and effective FinOps machine for data-driven cloud value decision-making. Complete with a road map to get you started, this revised second edition includes new chapters that cover forecasting, sustainability, and connectivity to other frameworks. You'll learn:

- The DNA of a highly functional cloud FinOps culture
- A road map to build executive support for FinOps adoption
- How to understand and forecast your cloud spending
- How to empower engineering and finance to work together
- Cost allocation strategies to create accountability for cloud and container spend
- Strategies for rate discounts from cloud commitments
- When and how to implement automation of repetitive cost tasks
- How to empower engineering team action on cost efficiency

finops workbooks: FinOps : RoadMap to Cloud Efficiency Navin Sabharwal, Piyush Pandey, Amit Aggarwal, 2022-10-21 Accelerate Business Value Realization and Drive Financial Accountability for Cloud Infrastructure

KEY FEATURES

- In-depth knowledge of establishing and operating the FinOps model.
- A collection of use cases examining the adoption and benefits of FinOps.
- Includes Cloud cost optimization solutions such as waste elimination, appropriate sizing, and purchasing strategy.

DESCRIPTION FinOps is a novel cloud operating model that uses interdisciplinary teams to manage cloud expenditures in concert. With the help of the tools, best practices, and culture introduced in this book, businesses can analyze cloud expenses and make strategic decisions in a better way. The book's ultimate objective is to teach companies how to

establish a reasonable cost, speed, and quality balance in the cloud. The book begins with an overview of why FinOps exists, the problems it solves, the principles it is based on, and how it fits into the history of financial management. The subsequent chapters of this book explain the three stages—inform, optimize, and operate—and the best methods to use in each stage. The book then explains in depth, with examples, how to maximize efficiency while minimizing expenses for each of the three major public cloud providers: Google, Amazon, and Microsoft. The book also covers cost optimization techniques for the public cloud, FinOps operations management, cloud cost visibility, and forecasting. WHAT YOU WILL LEARN ● Highlights of the evolution and demand of FinOps by prominent organizations. ● Learn the ins and outs of the cloud billing system. ● Utilization of regression methods to extract insights from the FinOps data. ● Gain a thorough understanding of running all the FinOps processes. ● Investigate and test several ways to optimize your cloud spending. ● Learn about the various cloud benefits provided by Azure, AWS, and GCP. WHO THIS BOOK IS FOR If you are a finance, DevOps, or IT professional looking to collaborate on decision-making and cost control in the overall cloud financial operations, this is the only knowledge book you need. In addition, multiple teams, including Procurement, Service Delivery, and Platform Engineering, can read this book to inspire curiosity and exploration. TABLE OF CONTENTS 1. Introduction to FinOps 2. Inform Phase of FinOps Lifecycle 3. Optimize Phase of FinOps Lifecycle 4. Cost Optimization Techniques for AWS 5. Cost Optimization Techniques for Azure 6. Cost Optimization Techniques for GCP 7. Leveraging Algorithms for Analyzing FinOps Data 8. Managing FinOps Operations

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WILL LEARN ● Learning the core principles of FinOps. ● Exploring the future FinOps trends like AI, GreenOps, and decentralized governance. ● Setting up the FinOps team and building a framework for spend efficiency. ● Best practices for implementing effective multi-cloud cost optimization. ● Fostering enterprise-wide ownership and accountability. ● Govern multi-cloud environments by implementing the Inform, Optimize, Govern processes. ● Maximizing ROI of cloud investments. WHO THIS BOOK IS FOR This book is for FinOps practitioners and professionals, CIOs, IT leaders, cloud architects and engineers, finance and accounting teams, cloud tool developers and vendors, enterprise leaders and executives, SMEs, startups, academics, and researchers. TABLE OF CONTENTS 1. Cloud Computing Fundamentals 2. Introduction to Multi-cloud Environments 3. FinOps Foundations 4. FOCUS: Transforming FinOps for Business Success 5. Cloud Financial Management and Budgeting 6. Cloud Cost Allocation 7. Cloud Cost Optimization Strategies 8. Building a Multi-cloud Cost Optimization Plan 9. FinOps Processes in a Multi-cloud Environment 10. Monitoring, Measuring and Reporting Cloud Costs and Savings 11. Cloud Security, Governance, and Compliance 12. Case Studies and Real-world Examples of Multi-cloud FinOps 13. Future Scopes and Trends in Multi-cloud FinOps Appendix A: Multi-cloud FinOps Platform Appendix B: Cloud FinOps in Nutshell Appendix C: References

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