

Automating your Cloud Cost Analysis

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Cloud Cost Analysis



Cloud Cost Analysis

Or FinOps...

Or Cloud Economics...

The practice to understand how architecture derived from business and design decisions becomes money spent.



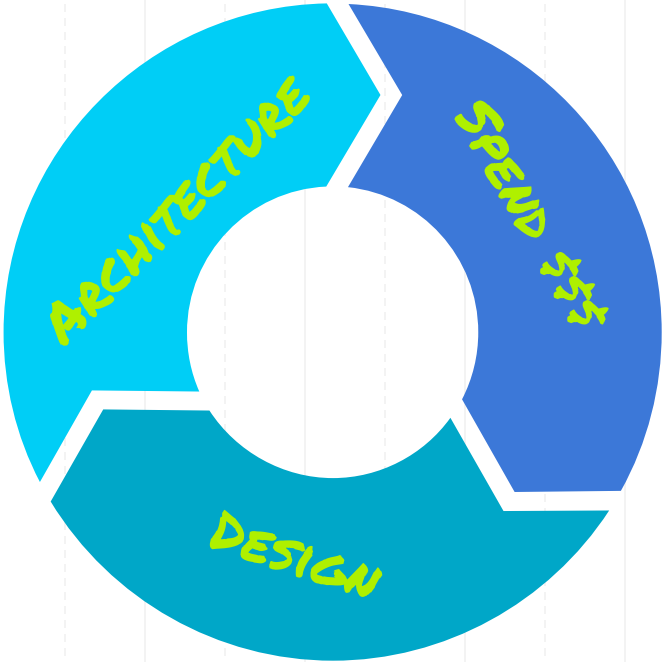
Programming Starts at Design



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Cost as a Metric

1. Resource IDs / Tagged Resource Groups
2. Usage incurred
3. Retail Rate
4. Amount Charged



Cost as an Insight

1. Month-over-Month / Year-over-Year
2. Services with the most Growth
3. Scaling that broke pricing tiers





twitter.com/nerdypaws

github.com/amycodes/cost-analysis

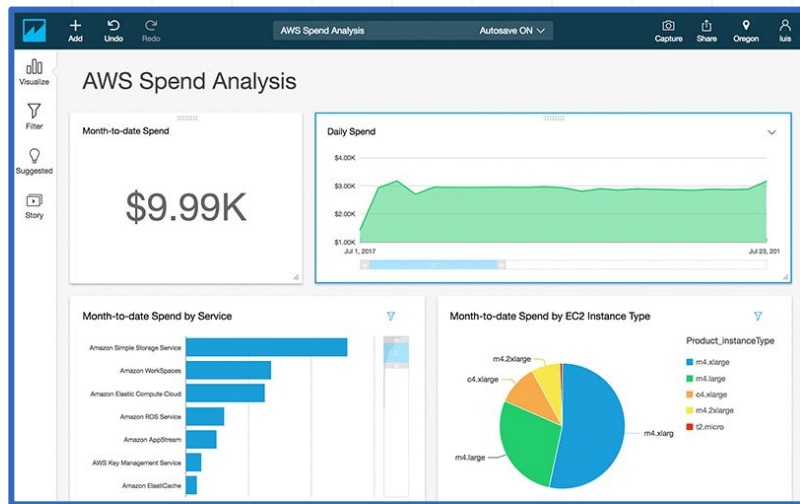


DEMO



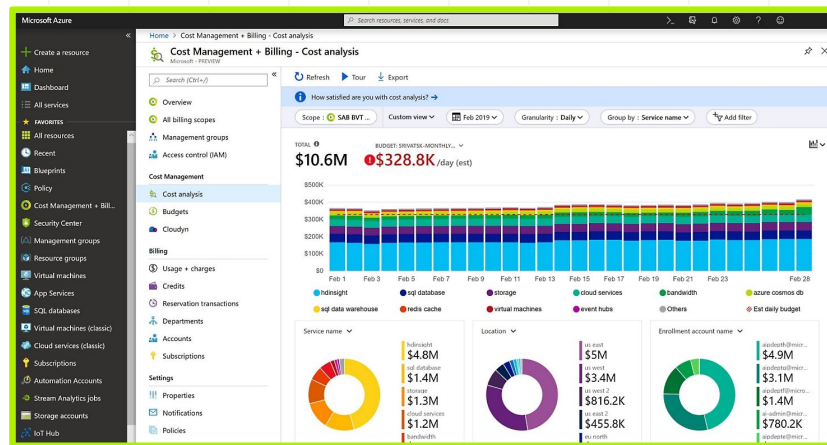
Cost Management in AWS

- Cost Usage Report
- Athena on S3
- Quicksight



Cost Management in Azure

- Cloud Analysis Dashboard
- Built in with PowerBI



But why??

Python is for Analytics

Cost Optimization is about efficiency



THANKS!

Any questions?

You can find me at

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Resources

- DO Billing API
 - <https://docs.digitalocean.com/reference/api/api-reference/#tag/Billing>
- GCP Billing
 - <https://cloud.google.com/billing/docs>
- AWS Billing
 - <https://aws.amazon.com/aws-cost-management/aws-cost-and-usage-reporting/>
- Azure Billing
 - <https://learn.microsoft.com/en-us/azure/cost-management-billing/costs/tutorial-export-acm-data?tabs=azure-portal>
- Open Source Tools
 - [Opencost.io](https://opencost.io)

CREDITS

Special thanks to all the people who made and released these awesome resources for free:

- Presentation template by SlidesCarnival
- Photographs by Unsplash

