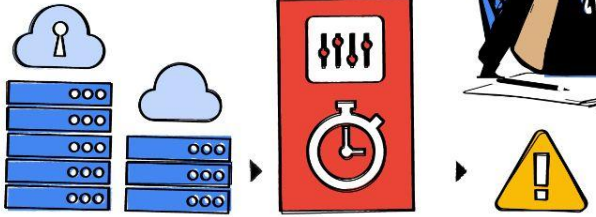
Cost Control WITH CLOUD FINOPS

We often react to 'cloud bill shock' with a desire to control our costs at scale. Any suggestions on managing this?

Absolutely! **We recommend using Cost Control Policies** - think of these as recipes in a cookbook. First, we identify the data sources, then we define triggers & conditions and finally, implement programmatic actions.

1



Data Sources: Metrics, Logs, Events & Billing Reports

Policy Triggers & Conditions: Schedule, Event-Based & State-Driven

Actions: Recommendation, Notification & Execution

3

Want to build some more? Google Cloud Recommender Service & Architecture Framework leading practices are great resources for inspiration.

4

Ok, but who drives all of this cost control?

The FinOps team, Platform Engineering, Product & Application Owners share the responsibility of governance. They should define triggers, conditions & actions based on what is best for the organization and establish a robust feedback loop.

2

Here are a few policy examples for you...

IDLE VM POLICY
[COMPUTE]

Notify the project owner when compute instances have had no/low CPU utilization over the last 14 days.

LIFECYCLE POLICY
[STORAGE]

Alert the owner if there is no lifecycle policy or Autoclass configuration on Cloud Storage bucket.

QUERY USAGE
[BIGQUERY]

Enforce a per-day query usage limit (instead of leaving queries unlimited).

BUDGETS
[COST MANAGEMENT]

Notify project owner if the budgets and alerts have not been set up on a GCP project.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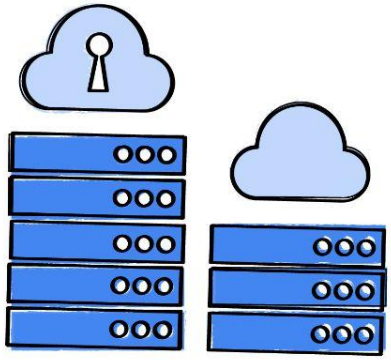

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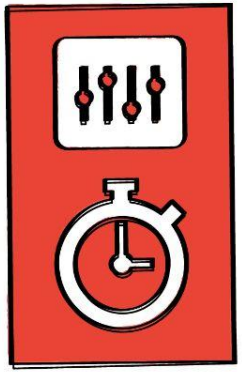

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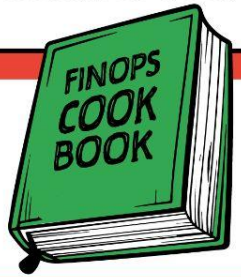

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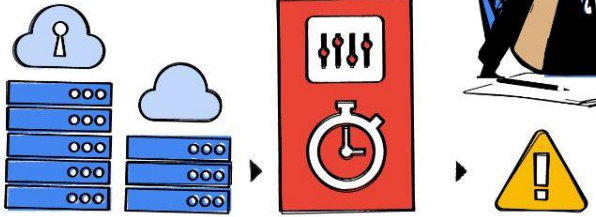

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