And the CFO Wept: Cost Control For AWS

By
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Has this ever happened to you?
Twitter For Pets
Message:

Blocked numbers are
1. 26345235463

To unblock reply with your choice
E.g. 1 or * Previous

Reply
• Reserved Instances
• Spot Fleet usage
• Refactoring tasks into Lambda functions
• Bigger GP volumes versus smaller Provisioned IOPs volumes
• Turn off unused instances
• Convert ELBs to ALBs (maybe)
• Release unused EIPs
• Upgrade old instances to new generations
• Delete old unneeded data

• Lifecycle policies to age out data to IA / Glacier
• Optimize your read / write patterns on RDS
• Rearchitect your replication strategy
• Delete failed multipart upload artifacts
• Understand that every million reads/writes on Aurora costs you a quarter
• Clean out unneeded EBS snapshots
• Check for orphaned EBS volumes
• Did you remember to check all regions?
We waited 30 min NO SERVICE
OHHH SHINY NEW+ @QuinnyPig
NOBODY CARES!
I don't believe you
How much did Project StairFall cost the company?
How much of the bill is R&D?
If we add another 1000 users, what will that cost? @QuinnyPig
The chart below shows the proportion of costs spent for each service you use.
Who did this?
Build a tagging strategy that works.
THE DATA-DRIVEN FUTURE
Exercise Judgement.
STRATEGY

PLAN A

PLAN B
• Have a plan.
• Understand where your money is going.
• Be able to allocate spend
Now some thoughts on cost control
• Reserved Instances
• Spot Fleet usage
• Refactoring tasks into Lambda functions
• Bigger GP volumes versus smaller Provisioned IOPs volumes
• Turn off unused instances
• Convert ELBs to ALBs (maybe)
• Release unused EIPs
• Upgrade old instances to new generations
• Data transfer between Ohio and Virginia is half price.

• Lifecycle policies to age out data to IA / Glacier
• Optimize your read / write patterns on RDS
• Rearchitect your replication strategy
• Delete failed multipart upload artifacts
• Understand that every million reads/writes on Aurora costs you twenty cents.
• Clean out unneeded EBS snapshots
• Check for orphaned EBS volumes
• Did you remember to check all regions?

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AWS DATA TRANSFER COSTS

- Numbers are data transfer in $/GB. Transaction and hourly prices are not shown. See notes.
- Free. Inbound traffic is mostly free—you pay on the way out. Some but not all internal traffic is free.
- Direct outbound data starts at $.09/GB for <10TB, and discounts with volume. First 1GB free.
- Region-to-region traffic is $.02/GB when it exits a region for indicated services except between us-east-1 and us-east-2, where it's $.01/GB.
- Outbound CloudFront prices are highly variable by geography and regional edge cache and start at $.085/GB in US/Canada.
- Internal traffic via public or elastic IPs incurs additional fees in both directions.
- Cross-AZ EC2 traffic within a region costs as much as region-to-region! ELB-EC2 traffic is free except outbound crossing AZs.
- Elastic Load Balancing: Classic LB is priced per GB. Application LB costs are in LCU's, not $/GB.

Credits and latest version: github.com/open-guides/og-aws
Last update: 2017-08-14
Sadly, I have nothing to sell you.
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Amazon Web Services — a practical guide
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