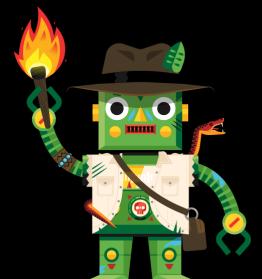


THE FIN-TASTIC WAY TO BOOST YOUR CLOUD ROI

AN INTRODUCTION TO FINOPS ON AZURE

RENÉ VAN OSNABRUGGE @RENEVO





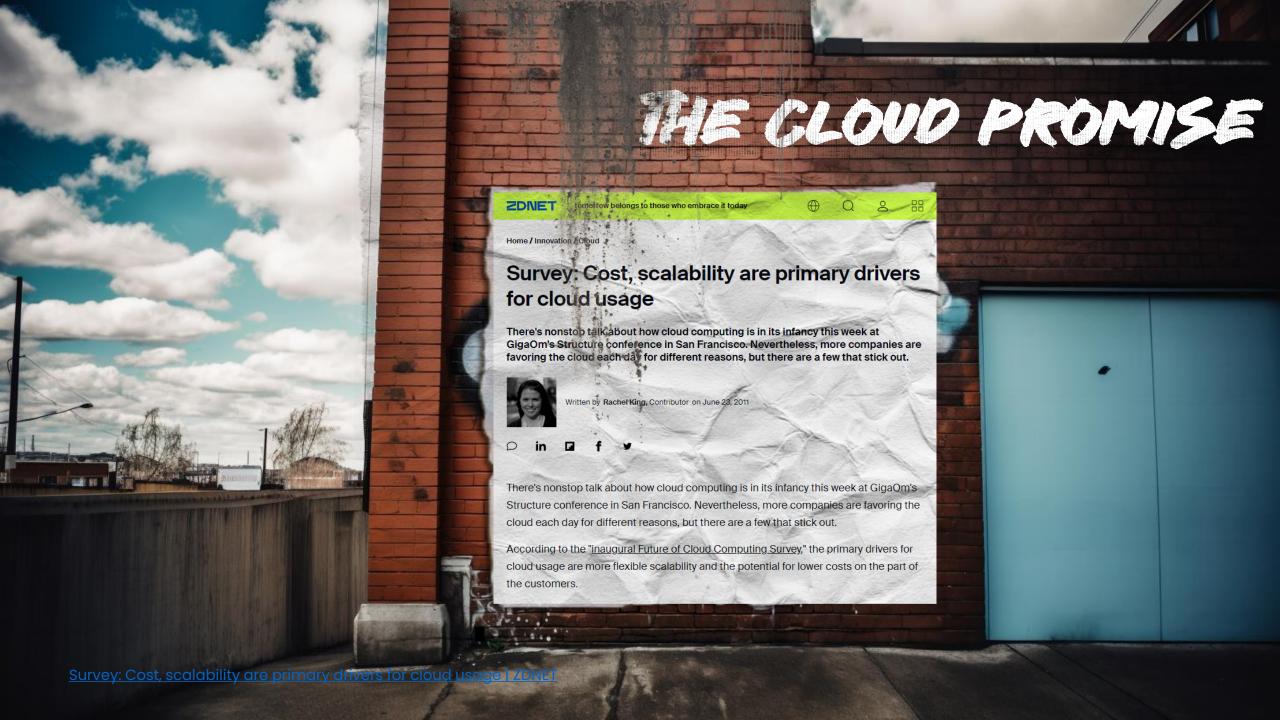




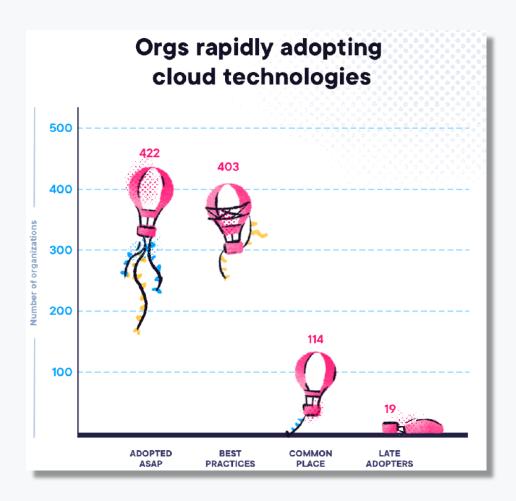
THE SAME MODEL THAT BROUGHT FREEDOM REMOVED CONTROL







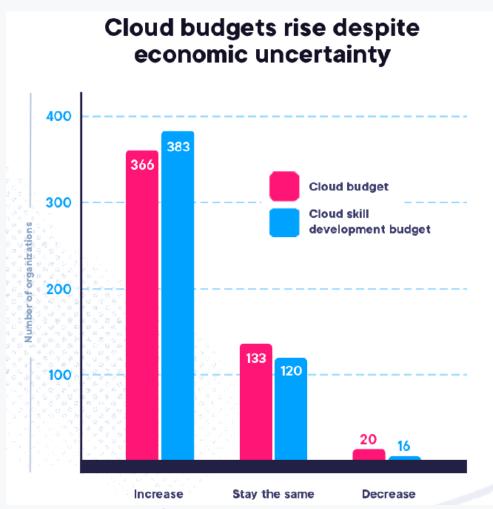
And cloud is here to stay...



70% of organizations has over 50% of their infrastructure in the cloud.

49% actively move data to the cloud.

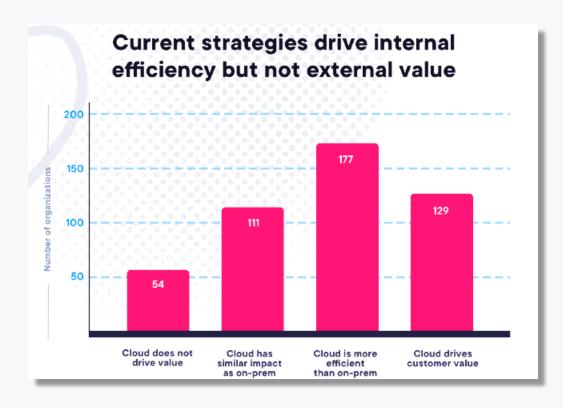
Cloud budgets rise



71% of leaders saying their cloud budgets will increase over the next 12 months

74% of leaders also expect their cloud skill development budgets to increase

But cloud does not reach its full potential

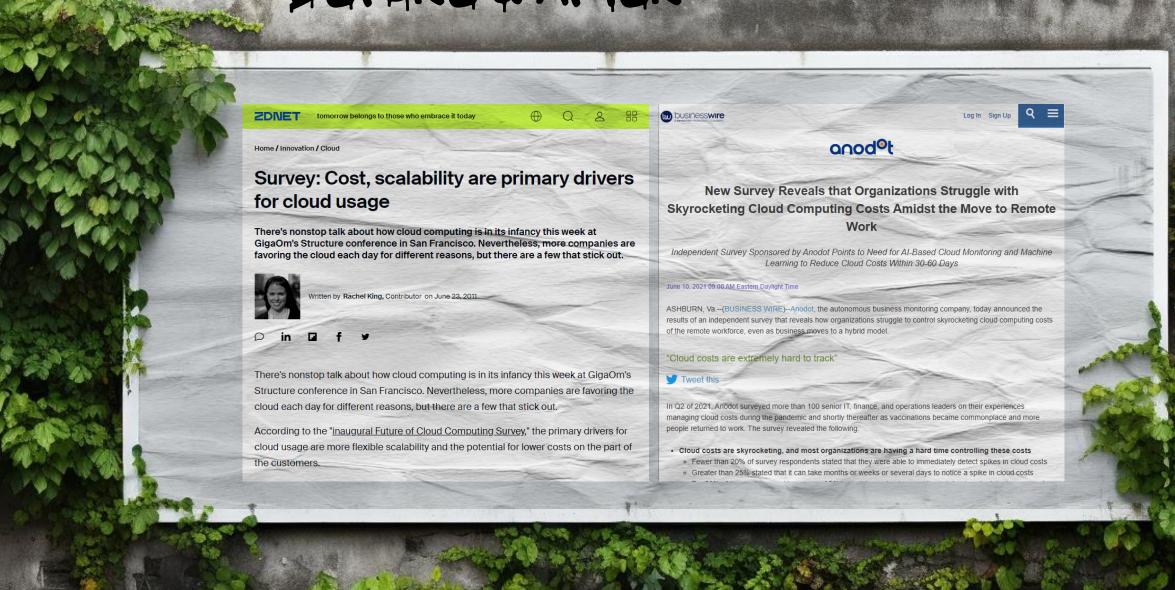


80% struggle to improve performance and measurement of cloud systems.

27% of leaders succeed in driving consumer value with their cloud solutions

61% of organizations able to push out new code to consumers more than once per month

BEFORE & AFTER





WHATWE HEAR

SAVE COST OPTIMIZE COST EXPENSIVE POLICIES PREDICT COST CLOUD SPEND INVISIBLE CLOUD FEAR DATA CENTERS SAVE COST OPTIMIZE COST EXPENSIVE POLICIES PREDICT COST CLOUD SPEND INVISIBLE CLOUD FEAR DATA CENTERS SAVE COST OPTIMIZE COST EXPENSIVE POLICIES PREDICT COST CLOUD SPEND INVISIBLE CLOUD FEAR DATA CENTERS SAVE COST OPTIMIZE COST EXPENSIVE POLICIES PREDICT COST CLOUD SPEND INVISIBLE CLOUD FEAR DATA CENTERS SAVE COST OPTIMIZE COST EXPENSIVE POLICIES PREDICT COST CLOUD SPEND INVISIBLE CLOUD FEAR DATA CENTERSSAVE COST OPTIMIZE COST EXPENSIVE POLICIES PREDICT COST CLOUD SPEND INVISIBLE CLOUD FEAR DATA CENTERS SAVE COST OPTIMIZE COST EXPENSIVE POLICIES PREDICT COST CLOUD SPEND INVISIBLE CLOUD FEAR DATA CENTERS SAVE COST



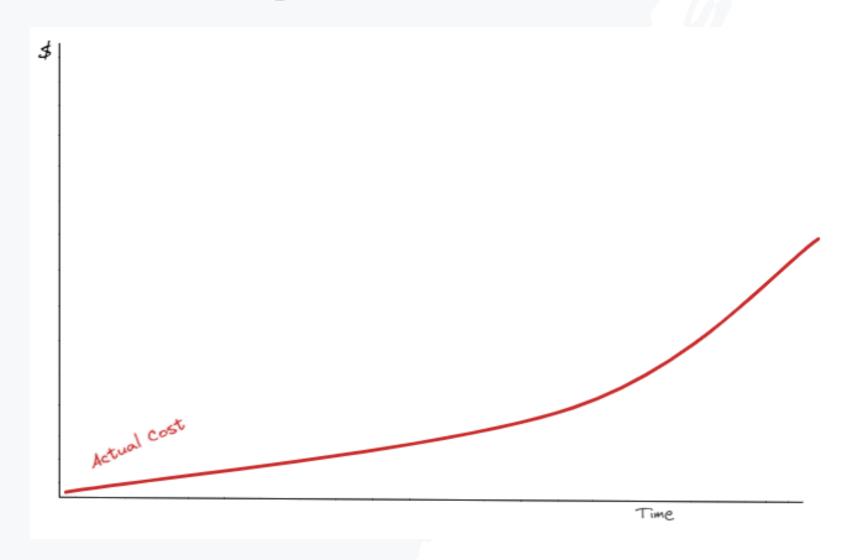




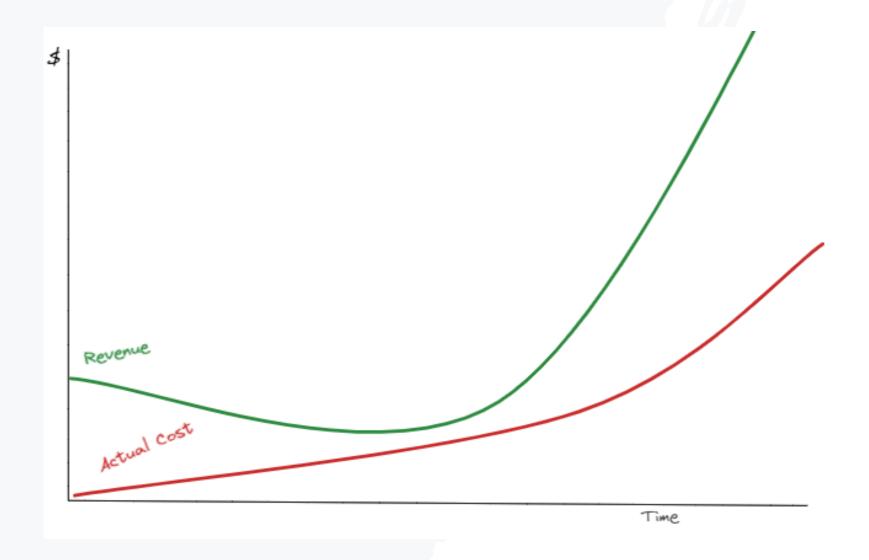




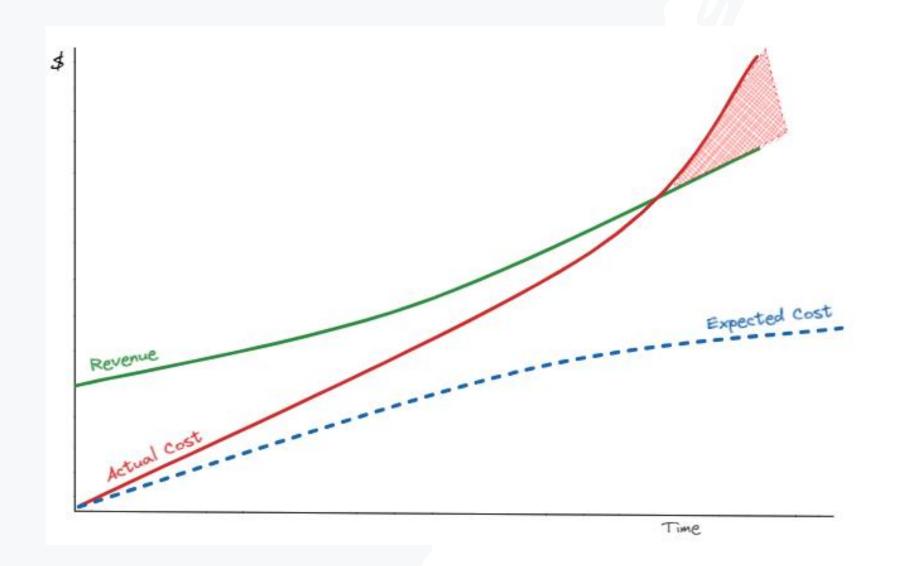
Cloud is too expensive!



And now?



And now?









Bill to

Contoso

1234 Address Way City, State Zip

Customer PO No. 512

Invoice No. E12345JTHE

Billing Cycle 3/5/2017 to 4/4/2017

Invoice Date 4/5/2017 Pay-As-You-Go

Payment Method Credit Card Account Owner Email Joe@contoso.com

Invoice Summary

Contoso

Production Storage

Previous balance 664.14
Payment - Thank you! -216.00
Outstanding balance (from previous billing cycle) 448.14

Current Charges

 Usage charges
 219.45

 Adjustments
 -20.00

 al Pre-Tax Charges
 199.45

 Total Pre-Tax Charges
 199.45

 VAT
 (0.000%)
 0.00

Total Amount

Write Operation Units (in 10,000s)

*Payment instructions on page 2

647.59USD

Microsoft Azure Invoice No. **Usage Charges** Name Type Resource Region Consumed Included Billable Rate Value 1505.0000 0.0000 1505.0000 .0500 75.35 Storage Locally Standard IO - Page Redundant Blob/Disk (GB) Virtual Machines BASIC.A3 VM EU North 365.9500 0.0000 365.9500 .3000 109.79 Compute Hours (Windows) 318.7142 0.0000 .0700 22.31 318.7142 Storage Locally Standard IO - Table (GB) Redundant Data Management Standard IO - Block Blob 30.0000 .4000 12.00 0.0000 30.0000

Sub-Total 219.45

Grand Total 219.45 USD





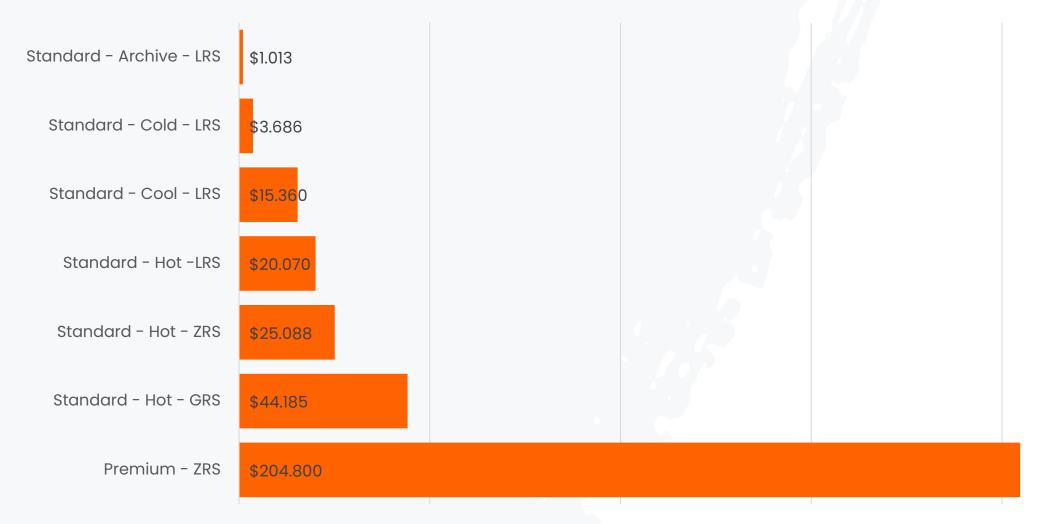
Usage

- Compute power
- Storage space
- Disks
- Network inbound/outbound
- IP Addresses
- Security features
- Al functionality
- Number of instances
- Redundancy
- Etc.





Example of Storage Account SKU



Rates

The amount of money charged or paid for a particular service, product, or activity

Different rates for many different services

Compute, Network, I/O, Scaling, Instances, SKU, Availability

Rates vary depending on usage









Rate Reduction

Pay-as-you-go (on-demand)

Spot Instances

Reserved Instances

Saving Plans

Commitment-Based Discounts

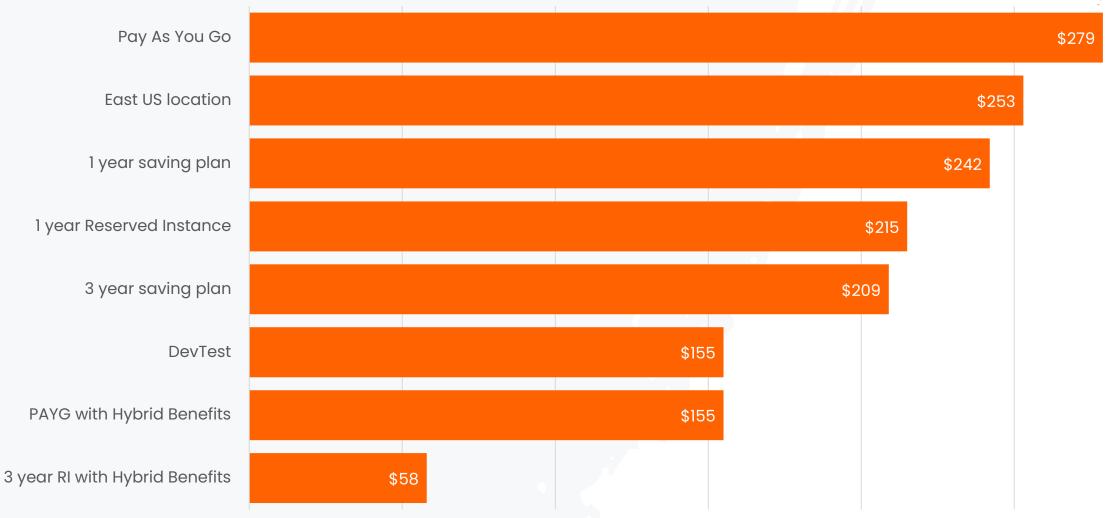
Enterprise Agreement

Dev/Test subscriptions

Hybrid Benefits



Example VM rates



Cost Avoidance

Which resources show a stable usage?

Removing / Moving

Data Retention Policies

Delete Resources

Rightsizing

Smart Combining

Shared Services

Prod or Non-Prod?

Selective Use / Scaling

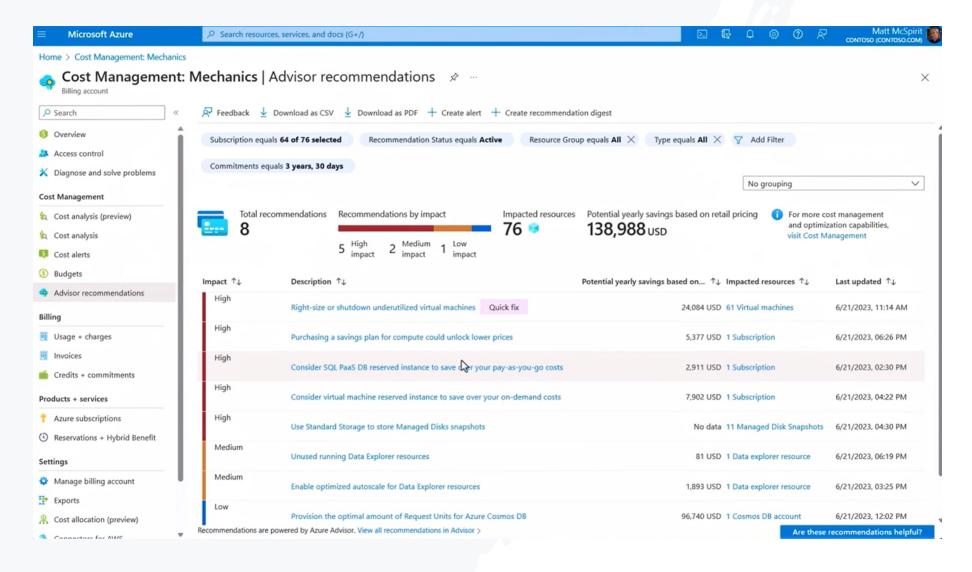
Re-Architecting

SKU



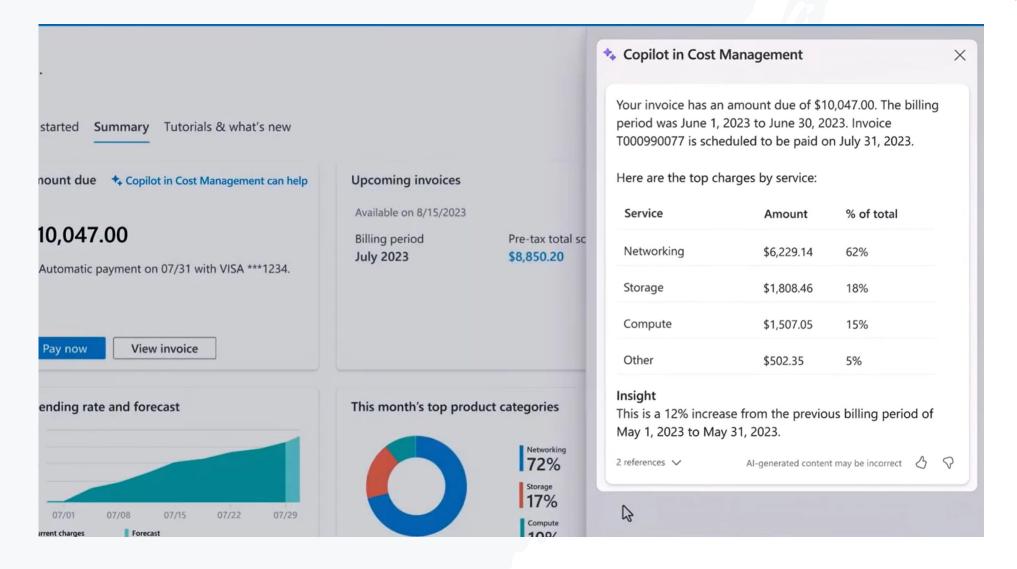


Azure Cost Recommendations

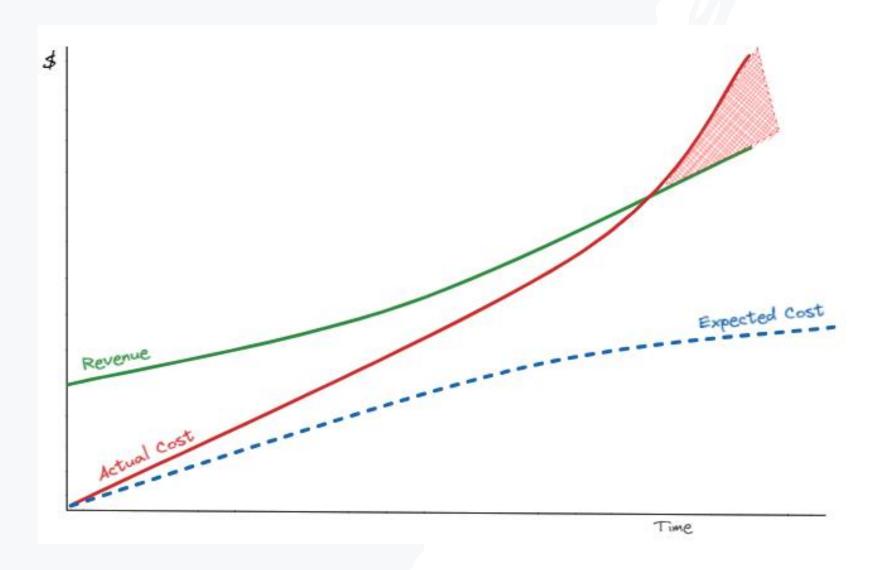




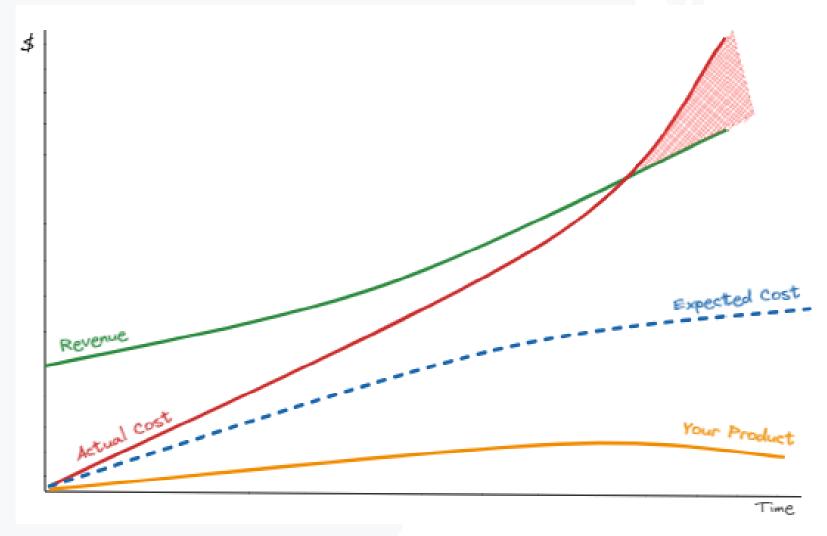
Azure Cost Recommendations

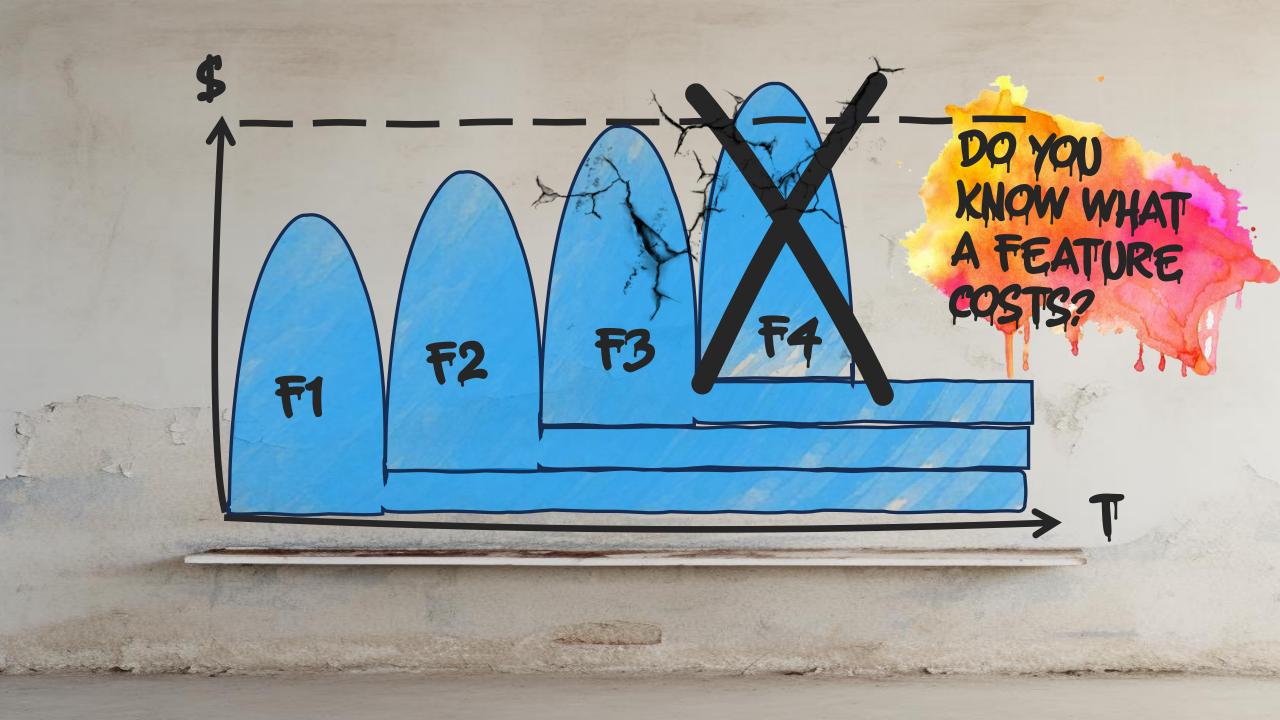


Development teams need to save cost!

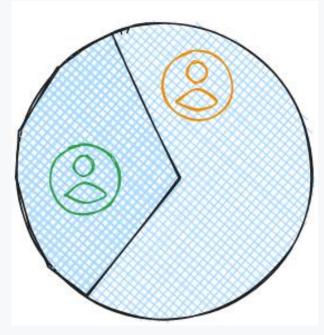


Is that true?

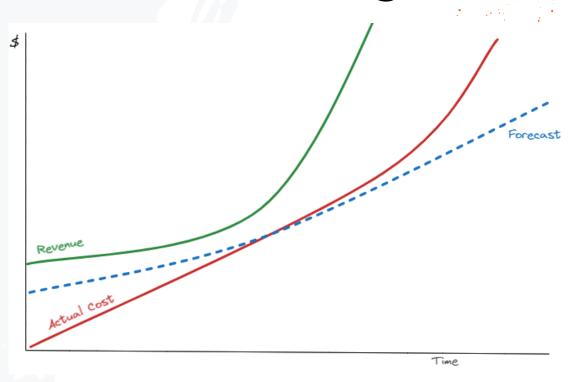




We need ownership...



..and budgets





Ownership

Who owns the cost?

- * per product
 * per department
 * per unit

Who owns Shared costs?

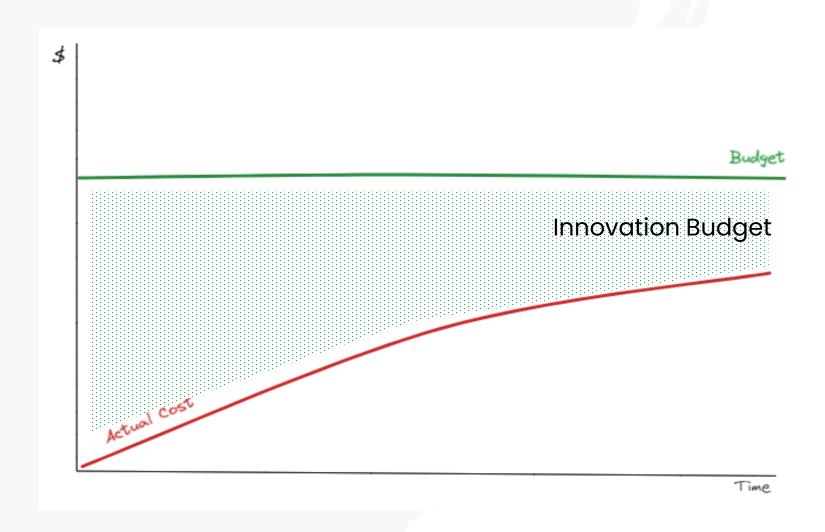
How to showback or chargeback

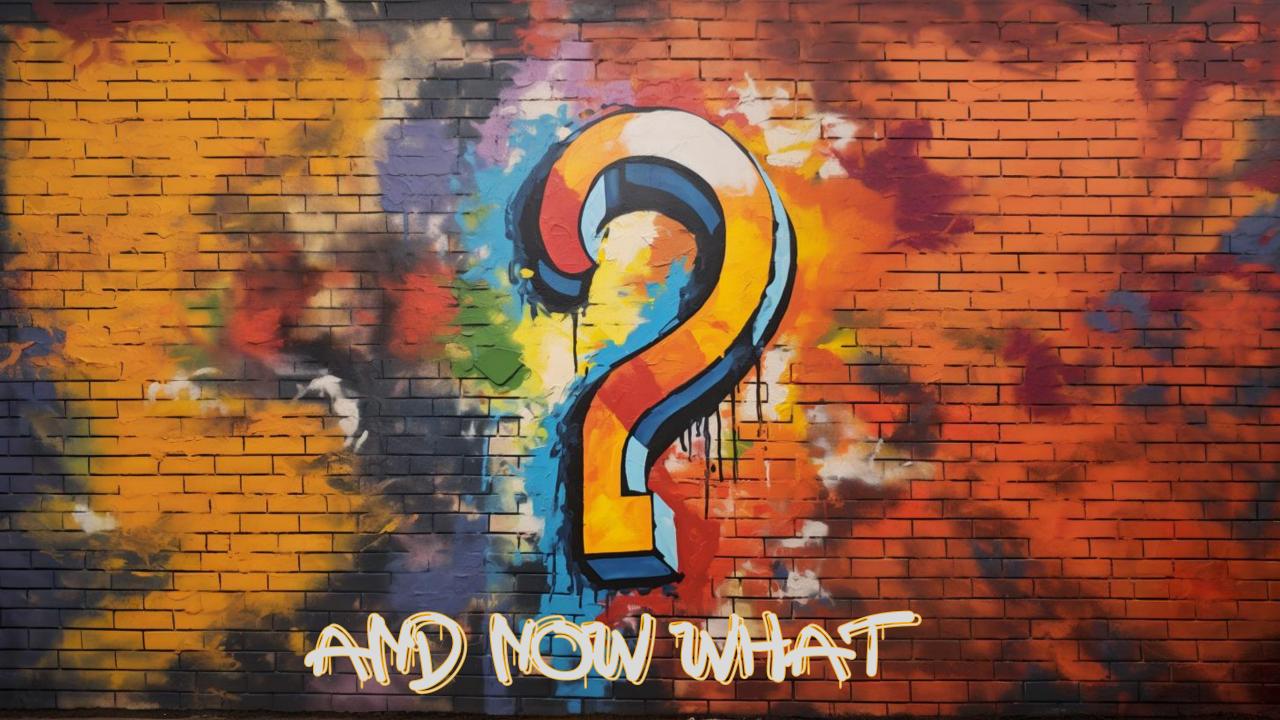






Budgets are real















TEAMS NEED TO COLLABORATE

DECISIONS ARE DRIVEN BY BUSINESS VALUE OF CLOUD

EVERYONE TAKES OWNERSHIP FOR THEIR CLOUD USAGE

REPORTS SHOULD BE ACCESSIBLE AND TIMELY

A CENTRALIZED TEAM ENABLES FINOPS

TAKE ADVANTAGE OF THE VARIABLE COST MODEL OF THE CLOUD

APPLY FINOPS







IT SAYS NOTHING ABOUT SAYING COST!







BUILD

COST ARCHITECTING
DIRECT FEEDBACK LOOPS







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Pictures: Midjourney

Gifs: https://giphy.com

Video: https://www.youtube.com/watch?v=SGAnLY46zAk

Thanks: Michiel, Matthijs

