

Strava

The app for active people

150M+

185

Registered users

Countries with Strava users.

50M+

12B+

Weekly activity uploads

Activities shared all time



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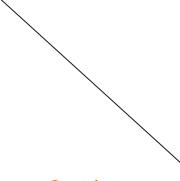
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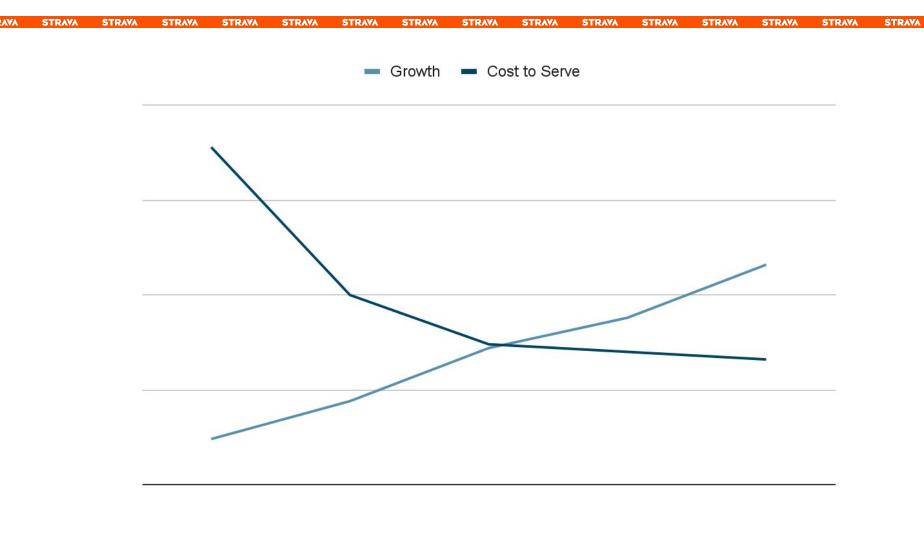
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Cloud Cost Strategy Principles

- **Simplicity:** Matching our technology strategy, reducing cost is grounded in simplifying code, architecture or technology choices to reduce the overall cost to run a product.
- Intentional Data Storage: Store the right data in the right place for the right length of time.
- Team Level Accountability: Costs are managed at the team level and we provide systems and tooling to support.
 Teams are empowered to make the best choice for what their services and products require.
- Increased spending is always driven by a product or business need.



Coming soon in 2026.



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It's late 2023...

01

Q4 2023

We start looking for early wins to make a dent in our cloud costs.

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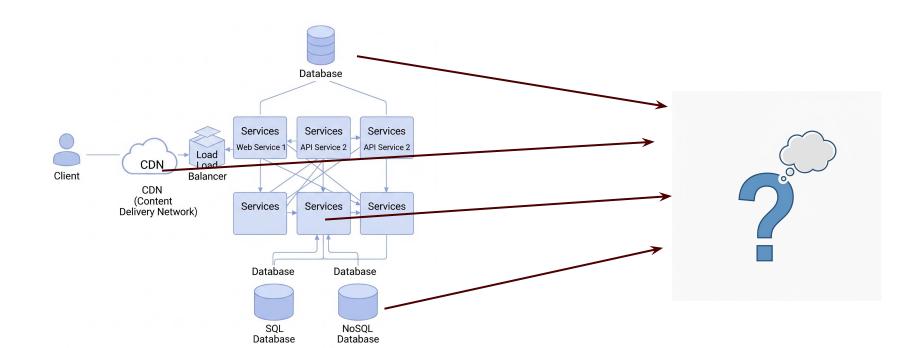
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Identified areas of optimization for 2024

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Networking layer

Managed service removal opportunity Optimizing cross zone traffic in as many use cases as possible. 02

Data Stores

Working with product to reduce unnecessary data on Strava segments.

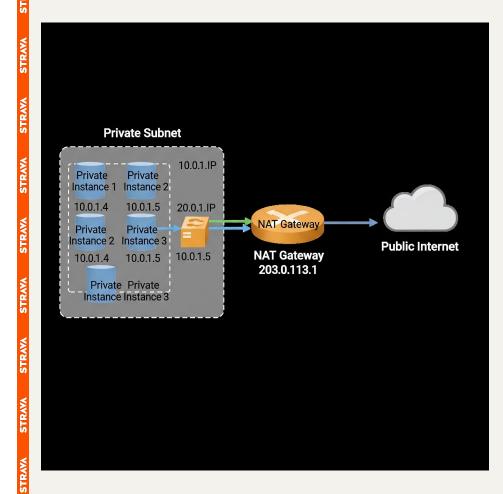
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Compute

This wasn't feasible at this point in time. Because we were on mesos :ahhhh:

Case study: when your managed service is not a good ROI

- Using a managed service for our network gateway
- Identified an open source alternative
- Key learning: Managed services aren't always good ROI
- Over 90% savings



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Mid 2024: we're getting wins but it feels like a side quest

Mid 2024

We've gotten a couple of big wins under our belt. But we lack any central systematic approach

01

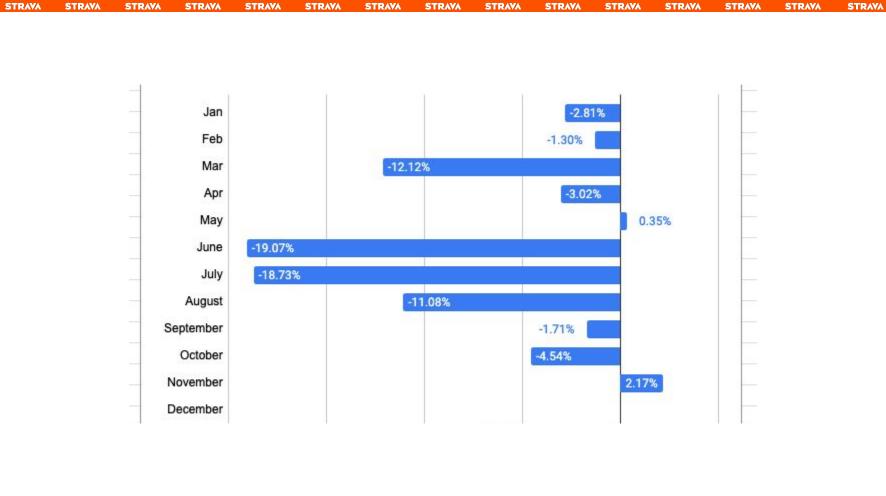
02

Q4 2023

We start looking for early wins to make a dent in our cloud costs.

Communicating our progress





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Cost	Reporting Frequency	Reporting Period	Reporting Type	Denominator	
Al	Weekly	trailing 28d	Observed Cost	28d MAU	
Disaster Recovery	Weekly	trailing 28d	Observed Cost	28d MAU	
Security	Weekly	trailing 28d	Observed Cost	28d MAU	

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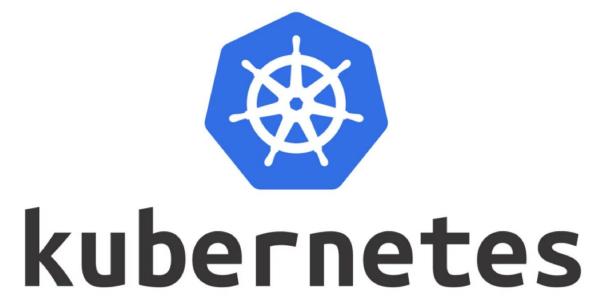
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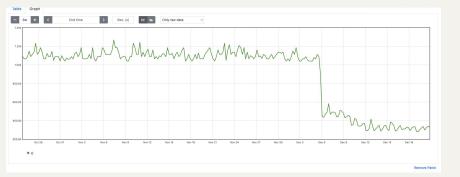
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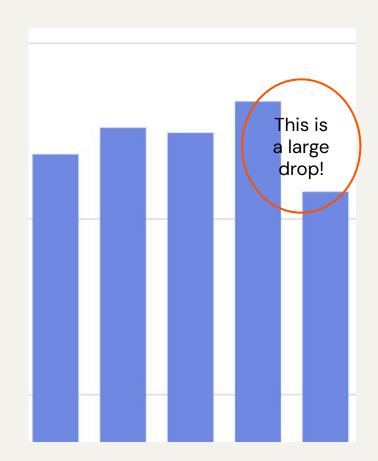
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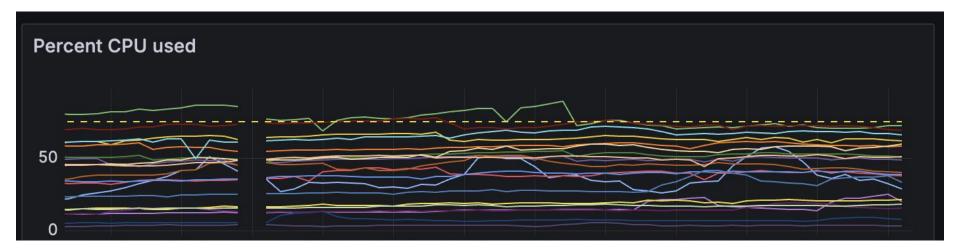


Case study: CPU optimizations



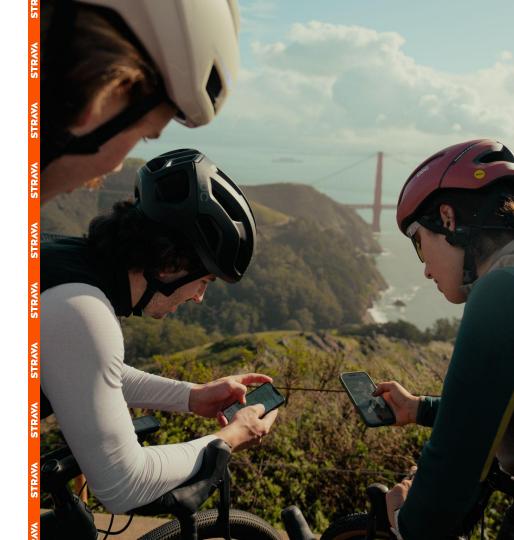






Case study: Segment Leaderboards

- Millions of segments
- Billions of efforts
- Most expensive service
- "Cruft": low quality segments that aren't delivering value to users



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Q4 2024: A big step up, using process to scale and pattern matching for opportunities

Mid 2024

We've gotten a couple of big wins under our belt. But we lack any central systematic approach

15% reduction in cloud costs

01

Q4 2023

We start looking for early wins to make a dent in our cloud costs.

Q4 2024

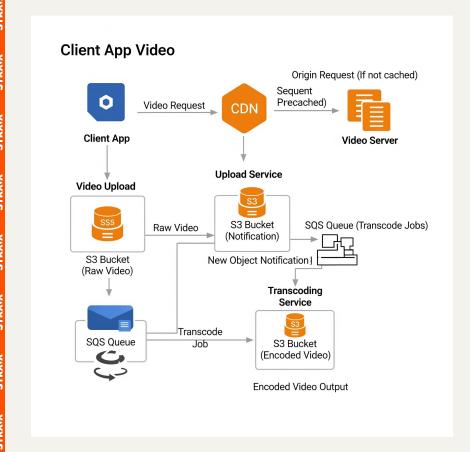
03

We start using our OKR process to drive team level commitments to cost reduction. Separating the expectation of savings from the implementation of savings.



Case study: bringing a vendor service in house.

- Learned from previous managed service work
- Identified an area where bringing in house would give more cost and product levers
- Product partnership: Used data to only build out the functionality users needed
- Saved over 40%



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2025: Bigger swings

Mid 2024

We've gotten a couple of big wins under our belt. But we lack any central systematic approach

2025

Migrations and architecture improvements for sustained wins that scale.

01

Q4 2023

We start looking for early wins to make a dent in our cloud costs.

Q4 2024

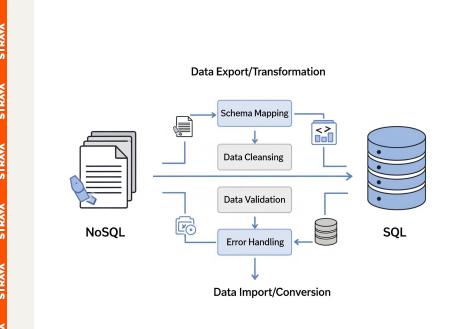
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Case study: Rethinking an entire service's DB approach (NoSQL to SQL)

- High investment, ROI not as big as some earlier wins
- Significant planning + backfill and validation were 50% of the project.
- Simplicity and playing to our strengths
- 75% Reduction in costs.



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Looking ahead: building systems to make this easier

Mid 2024

We've gotten a couple of big wins under our belt. But we lack any central systematic approach

Q1 2024

Migrations and architecture improvements for sustained wins that scale.

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Q4 2023

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We start looking for early wins to make a dent in our cloud costs.

Q4 2024

03

We start using our OKR process to drive team level commitments to cost reduction. Separating the expectation of savings from the implementation of savings.

05

Looking ahead

Team level budgeting Continue to rebuild key systems that rely on old technology

Key Takeaways

01

Accountability

Relying on the motivations of individuals is limiting. Use process and team level accountability.

02

Product partnership

Some of our biggest success only came by doing work with product managers to advocate for product changes to go with the technical changes.

03

Data and tracking

Improving our attribution, data tracking, modeling and communication to stakeholders has been key.

