

There's No Place Like Production

Paige Cruz, Chronosphere



"

i test in prod



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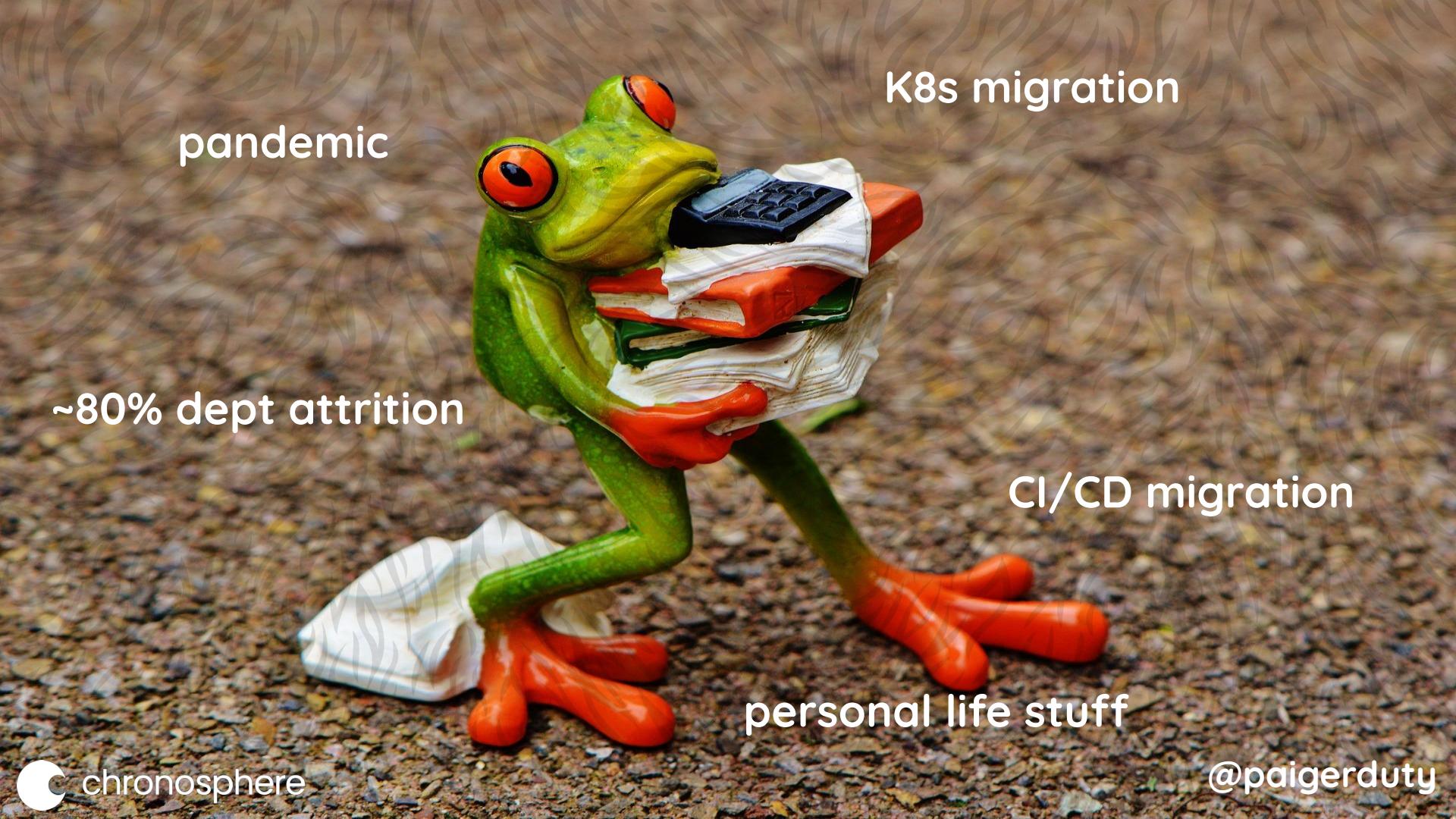
@paigerduty





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pandemic

~80% dept attrition

K8s migration

CI/CD migration

personal life stuff

@paigerduty



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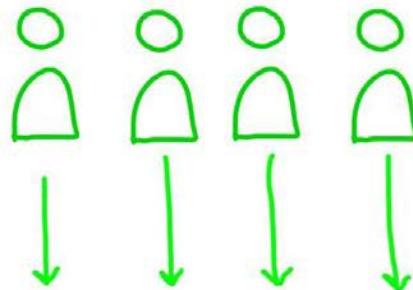
A cannabis technology
platform providing
integrated solutions
for consumers and
businesses



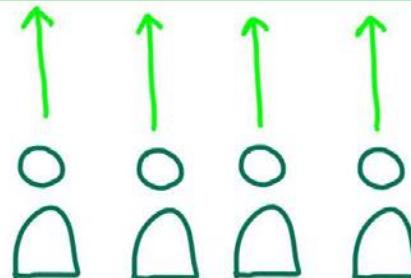
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consumers want to buy cannabis



PLATFORM ADS STORE INVENTORY MGMT
DISPATCH



customers want to sell cannabis

The Stack*



traefik



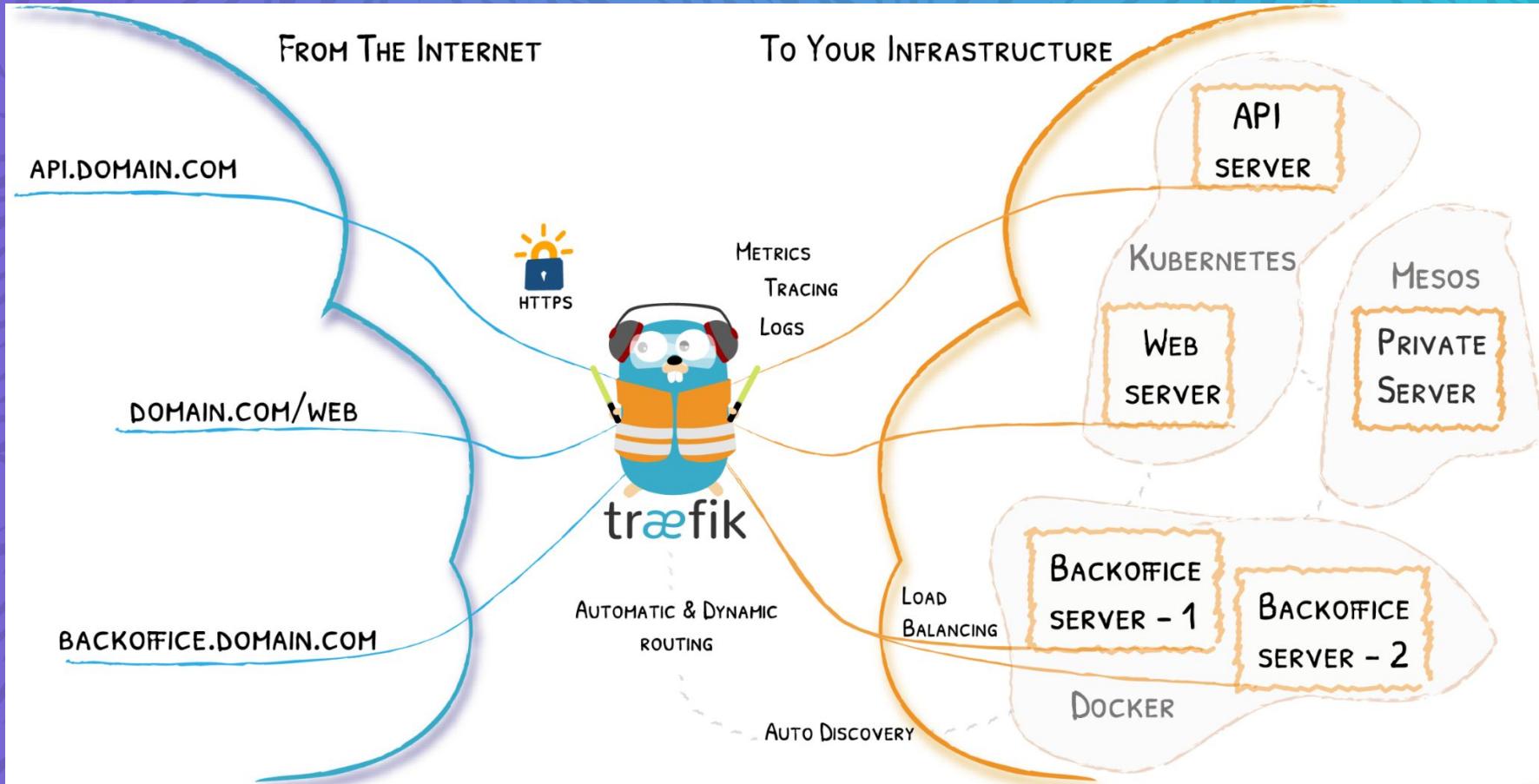
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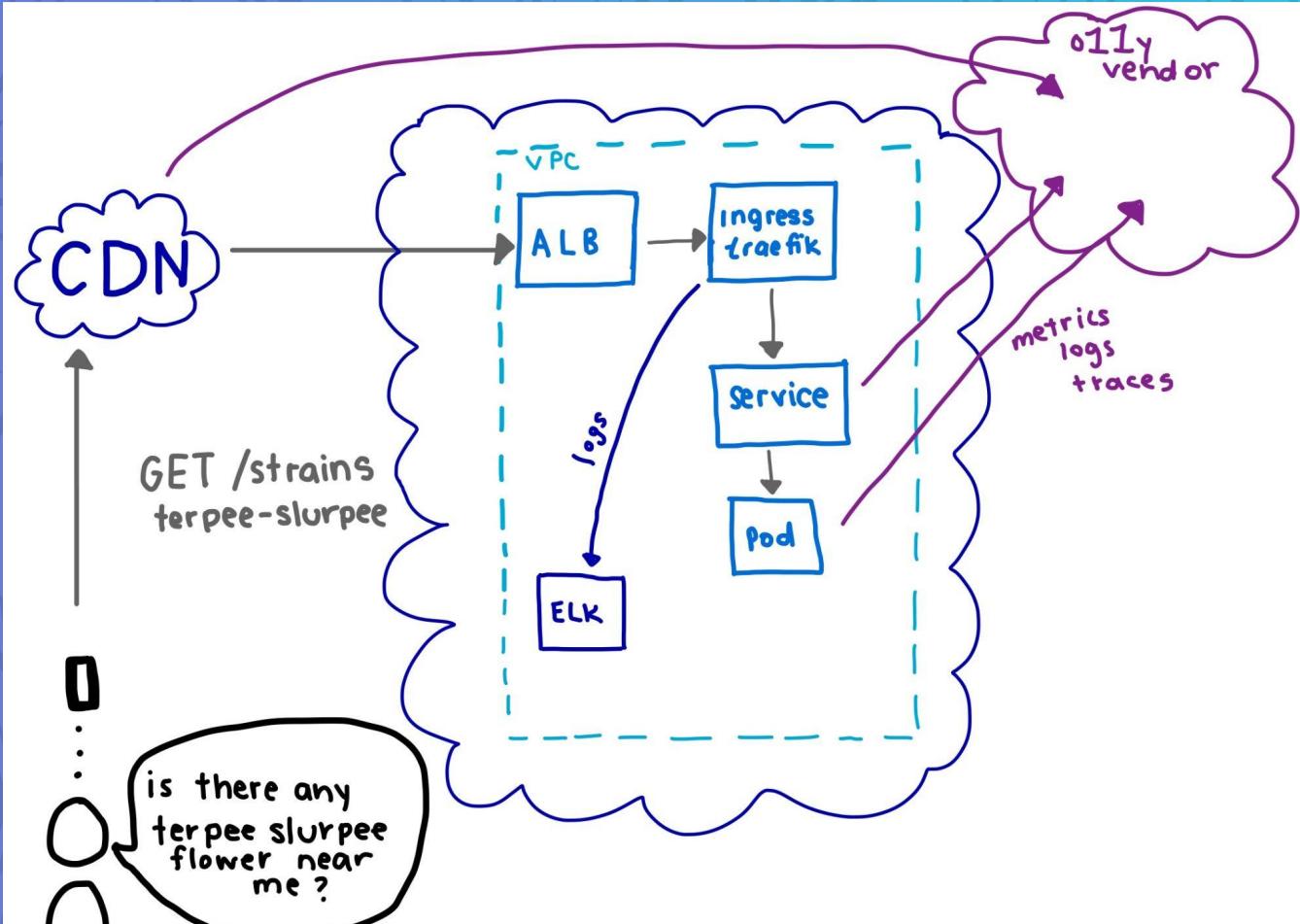


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The Stack*



#justSREThings



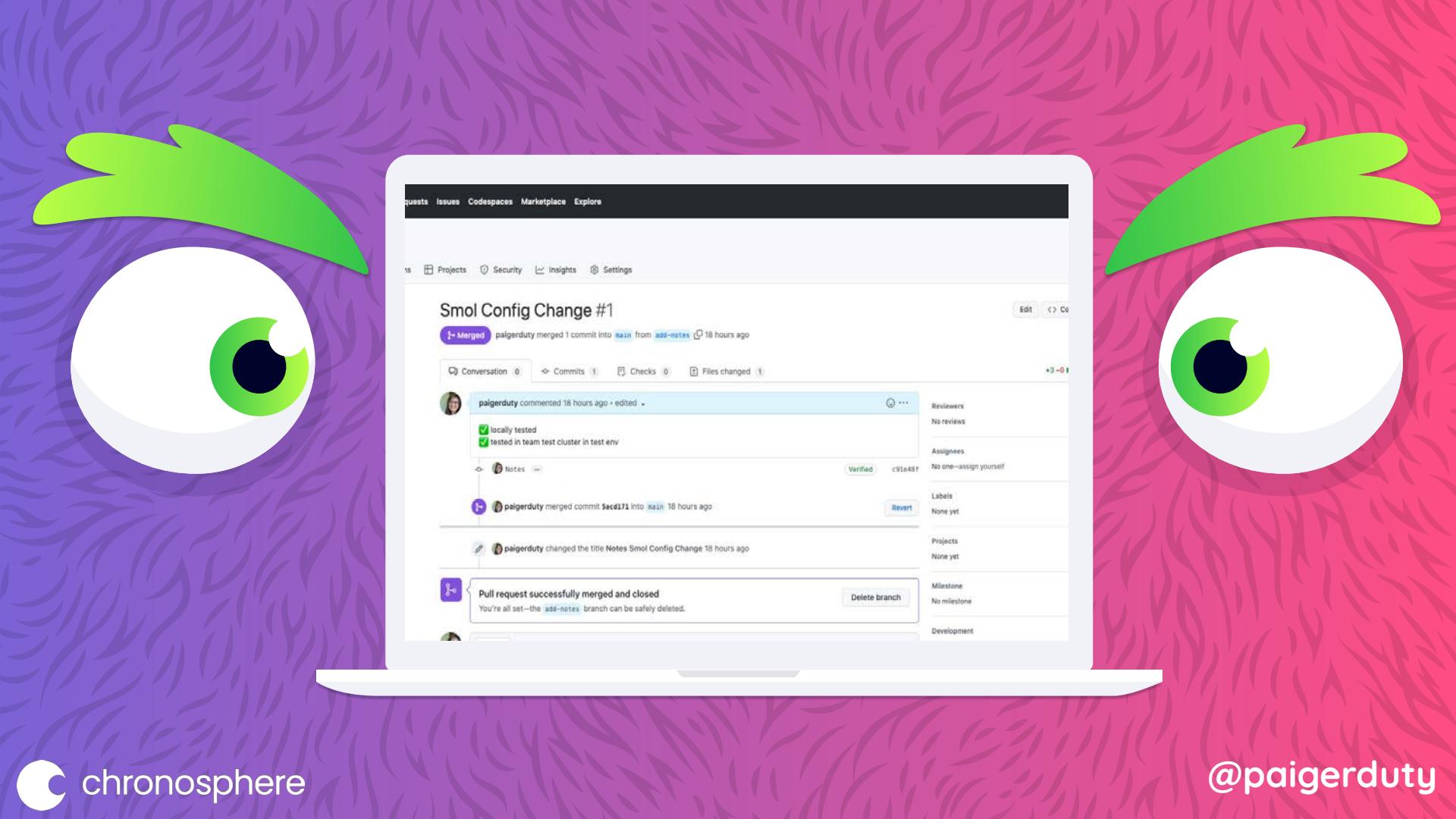
The Change



Foolproof Plan

- [X] traefik pr
- [X] test
- [X] add new deployment process
- [X] announce changes to acceptance/staging
- [X] let it bake
- [] schedule and find a quiet time to try it tomorrow in prod

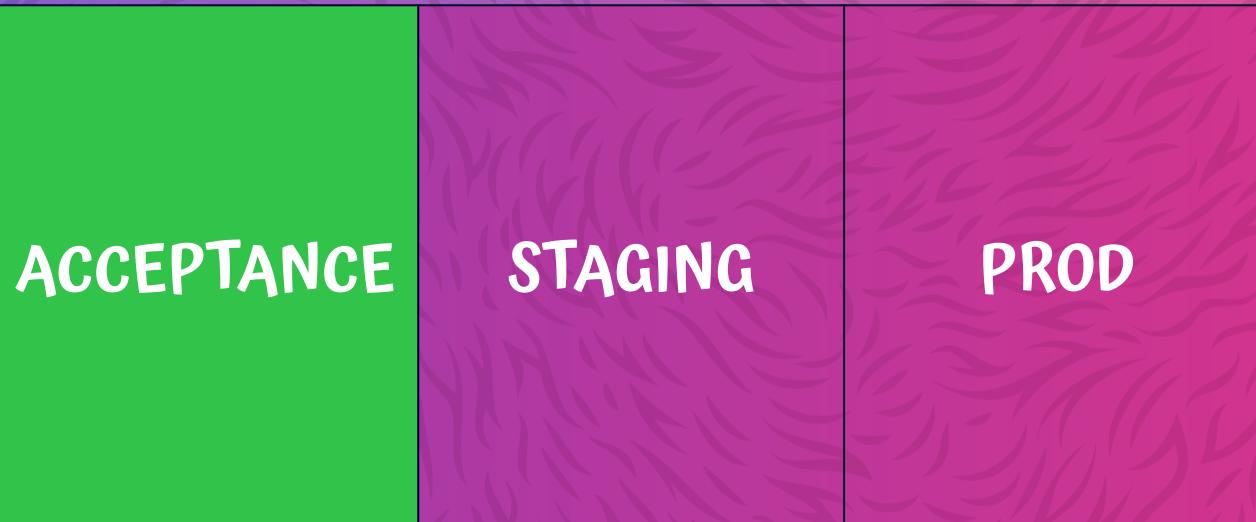




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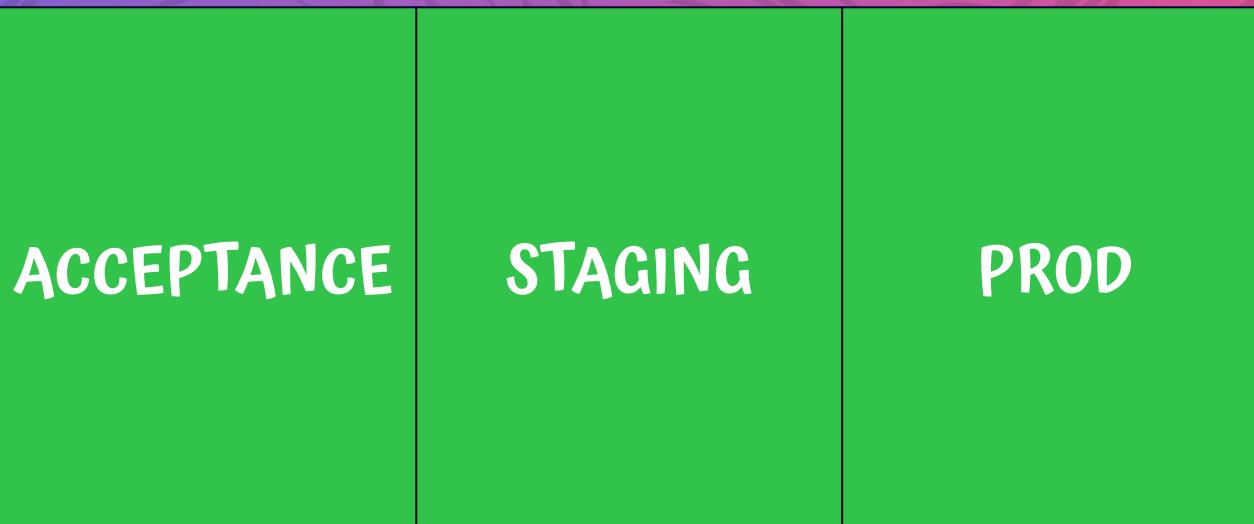
Let's Ship It



Let's Ship It



Let's Ship It





SRE



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The Incident



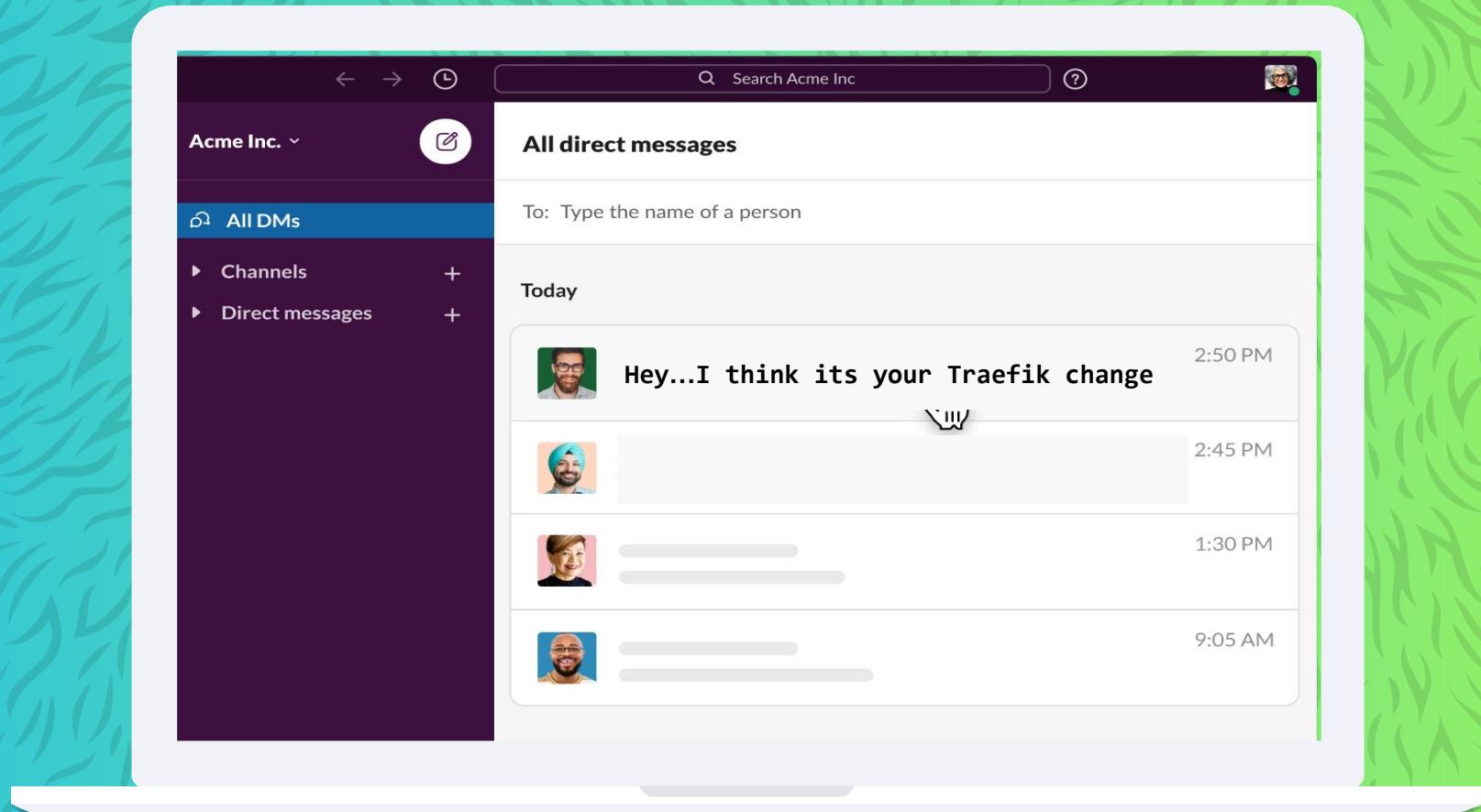




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[Code](#)[Issues](#)[Pull requests](#)[Actions](#)[Projects](#)[Security](#)[Insights](#)

...

Smol Config Change #1

[Edit](#)[Code](#)**Merged**paigerduty merged 1 commit into [main](#) from [add-notes](#) 1 minute ago[Conversation](#) 0[Commits](#) 1[Checks](#) 0[Files changed](#) 1

+3 -0



paigerduty commented 1 minute ago · edited

 locally tested tested in team test cluster in test environment[Notes](#) ...[Revert](#)

1 minute ago

Reviewers

No reviews



Assignee

No assignee. Assign yourself



Labels

None

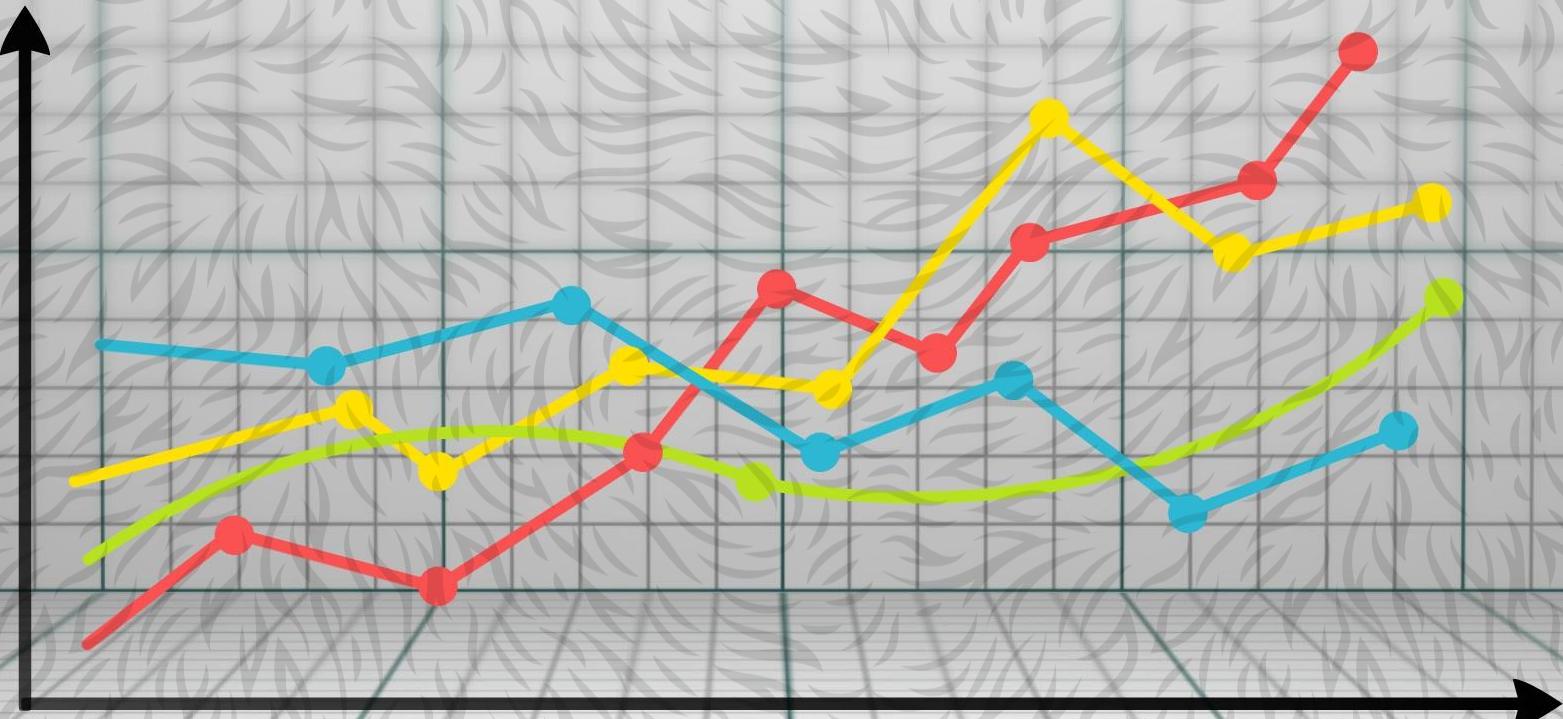




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An illustration of a man with dark hair and glasses, wearing a light blue shirt. He is holding his hand to his mouth as if whispering. To his right is a large white speech bubble containing text.

Pssst. Hey I think
was really cool how
you handled
yourself during the
incident!



#hugops



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amy nguyen

@amyngyn

...

COWORKER: we need to find the root cause asap

ME: *takes long drag* the root cause is that our processes are not robust enough to prevent a person from making this mistake

COWORKER: amy please not right now

11:38 AM · Dec 11, 2018



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The Next Day





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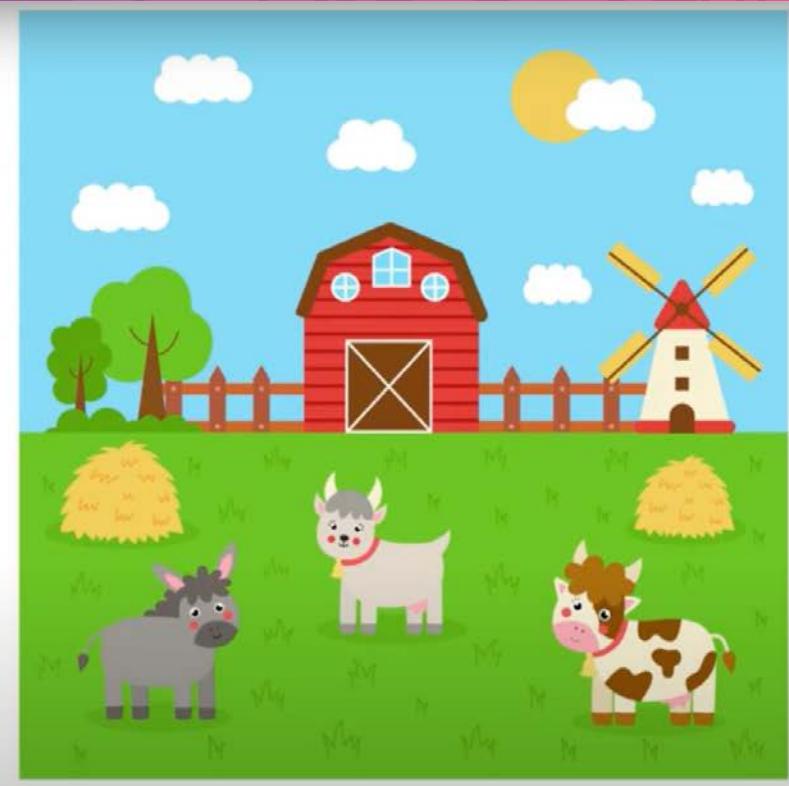


Get in batch, we're *learning* from this incident

~~post-mortem~~ Incident Review



Spot the Differences: HARD MODE



A

**frontend: HTTP GET /
dispatch** 6401e43

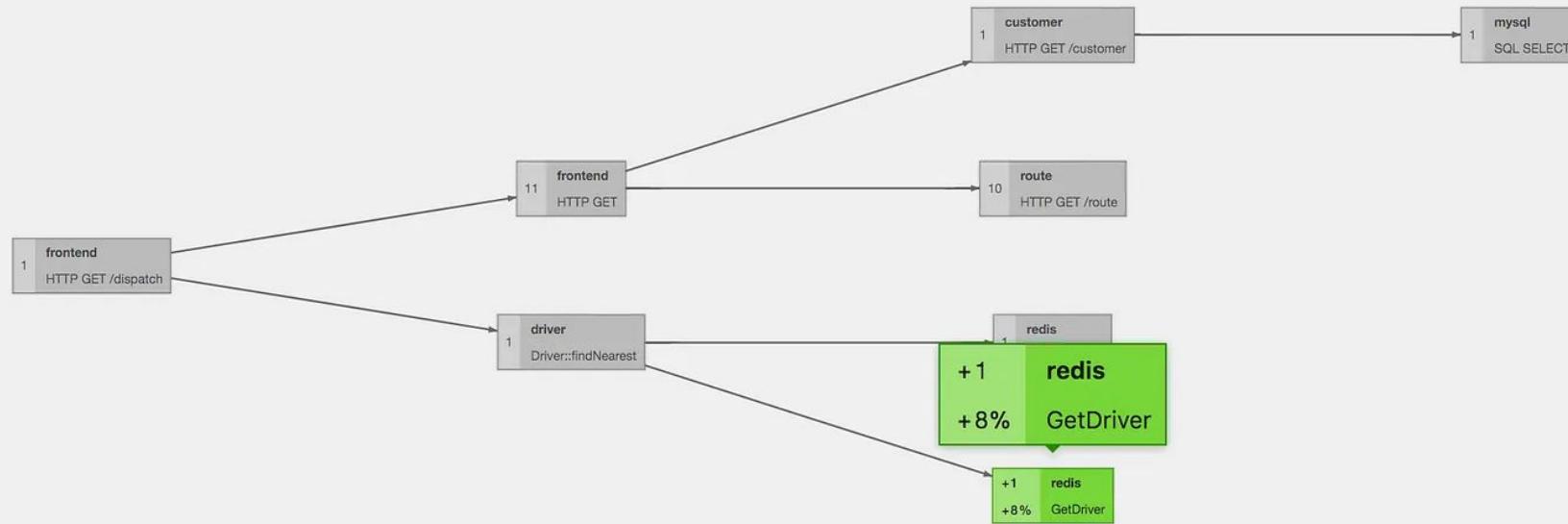
Today, 2:00:43 pm Duration: 1.46s Spans: 50

VS

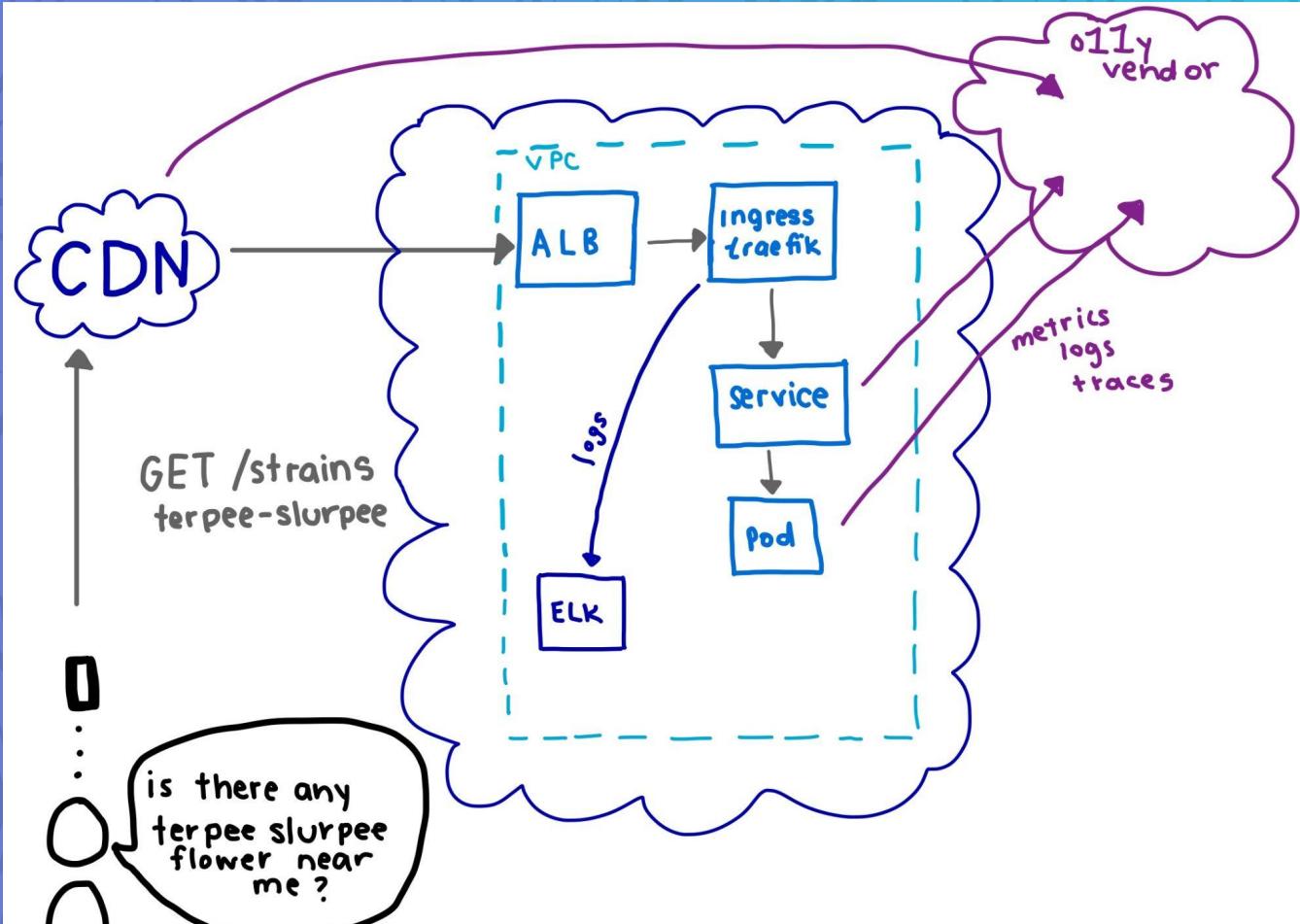
B

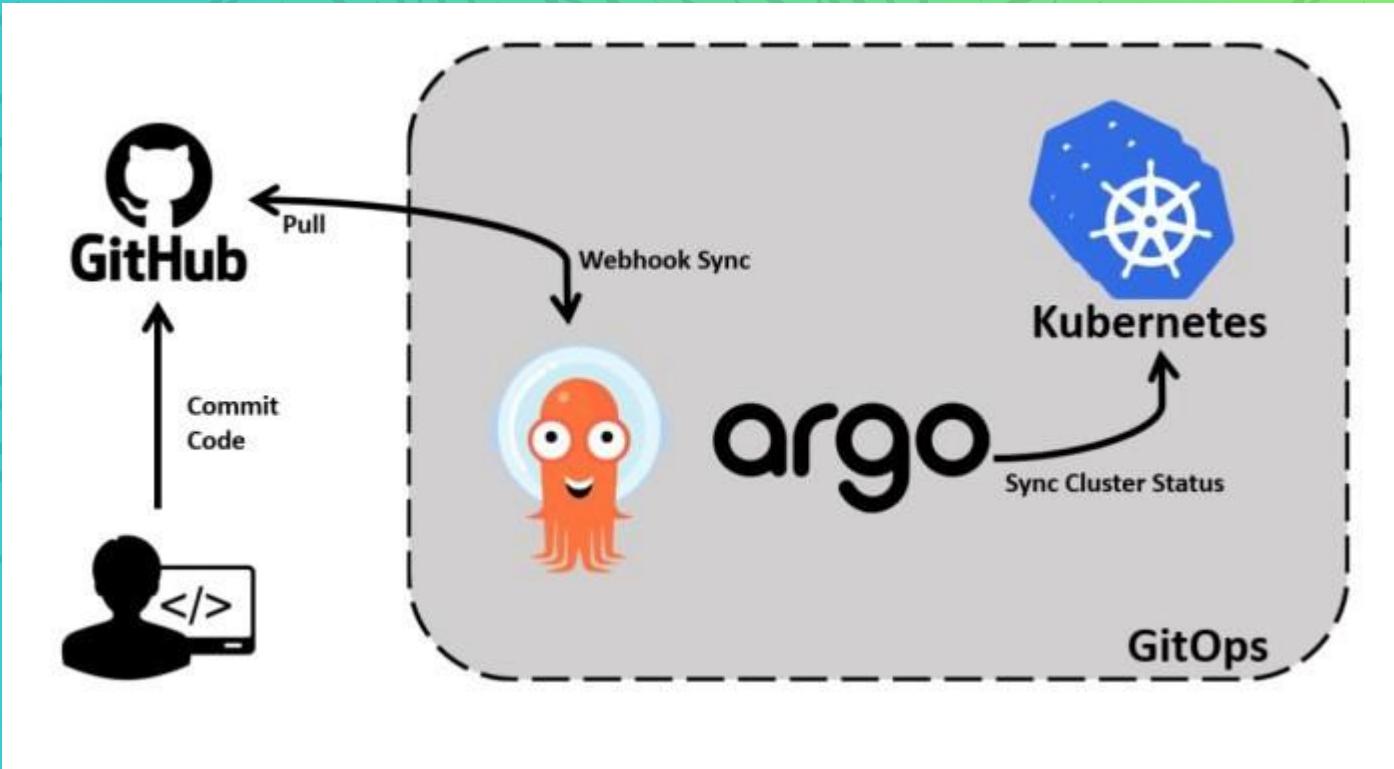
**frontend: HTTP GET /
dispatch** 6461459

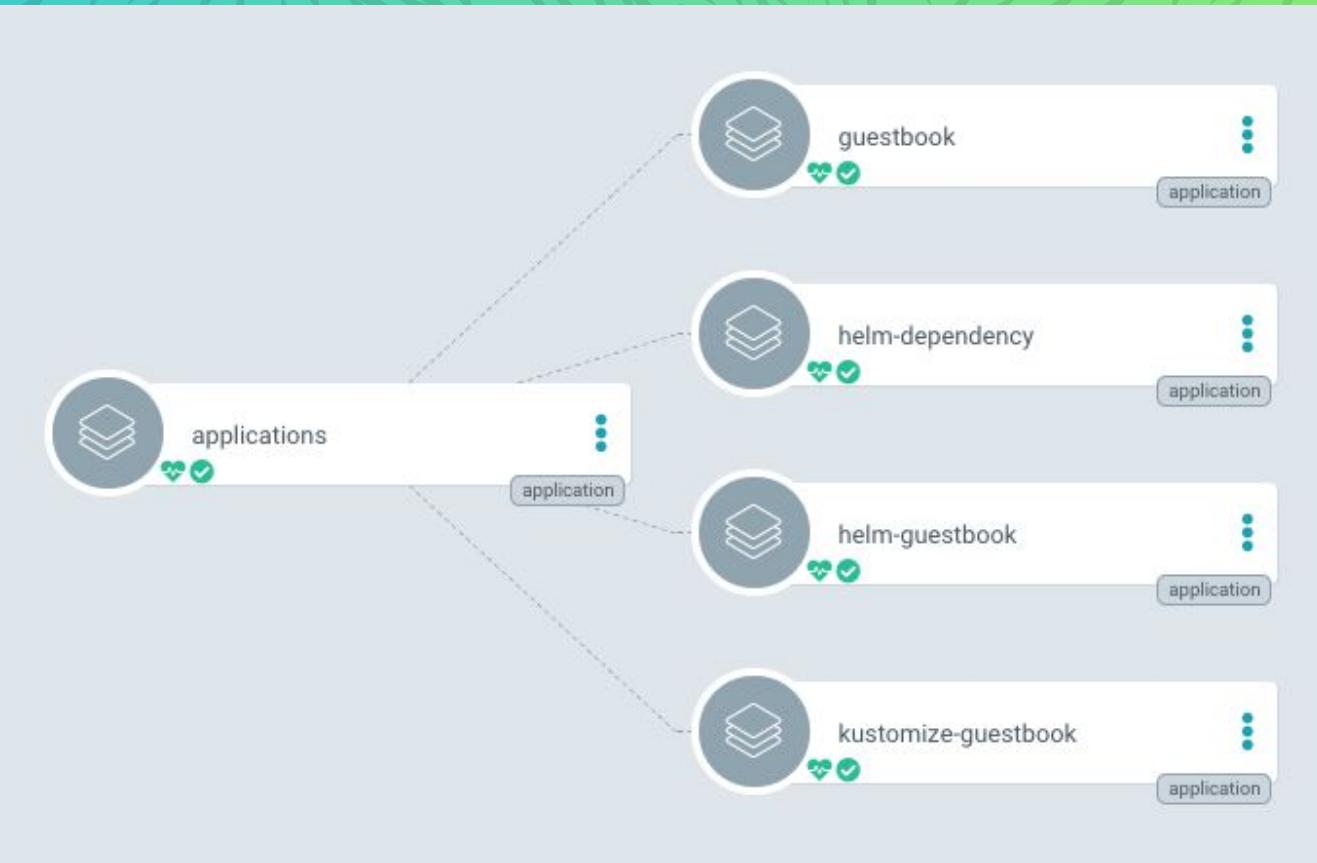
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The Stack*

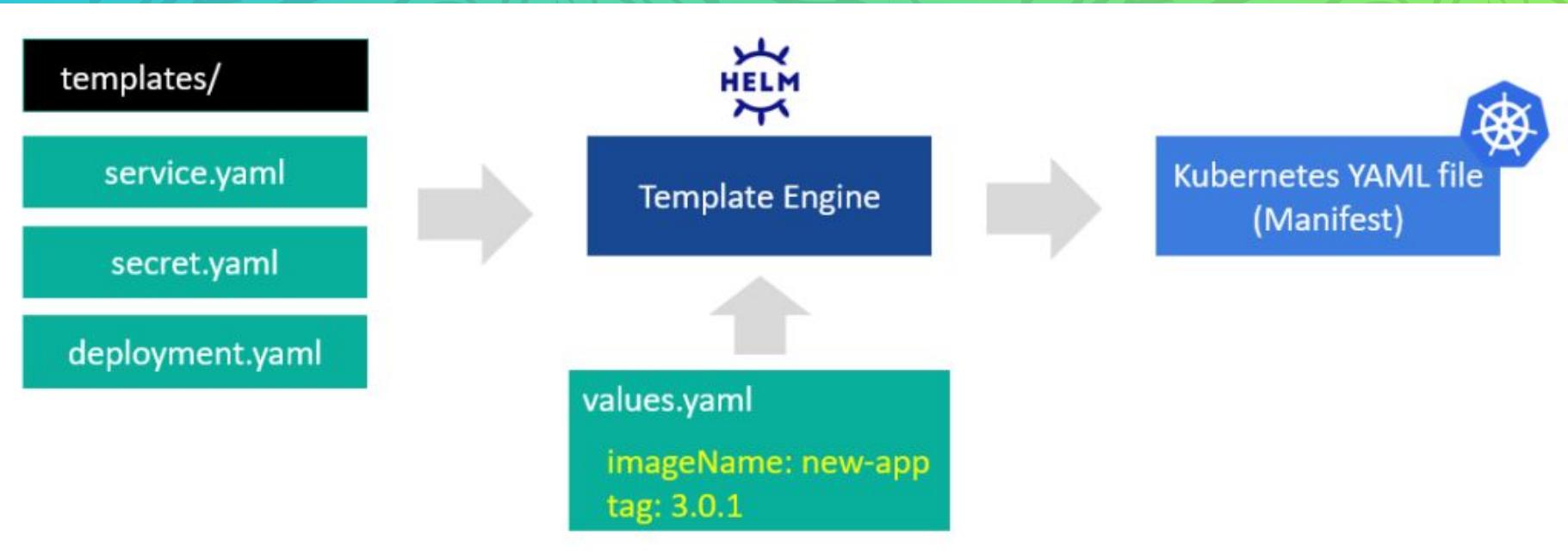


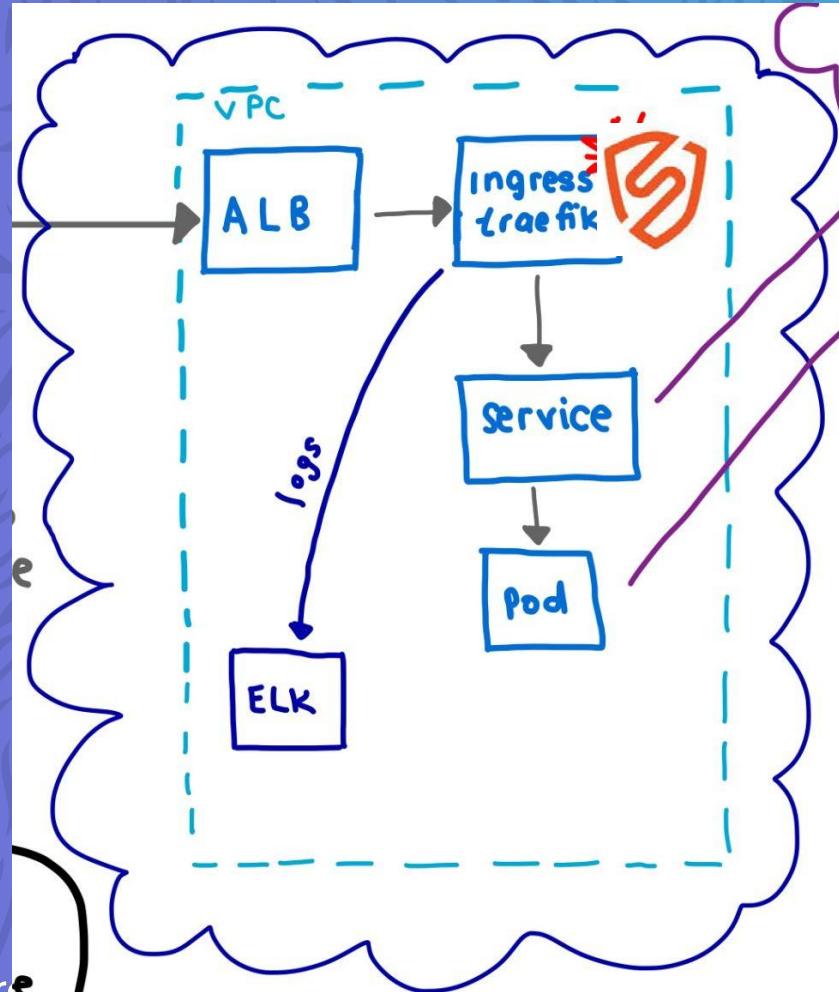




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Learnings



Incident Retro

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Incident Chapter Retro BE



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Incident Chapter
Retro BE

Chapter
FE

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Incident Chapter
Retro BE

Chapter
FE SRE
Study
Time



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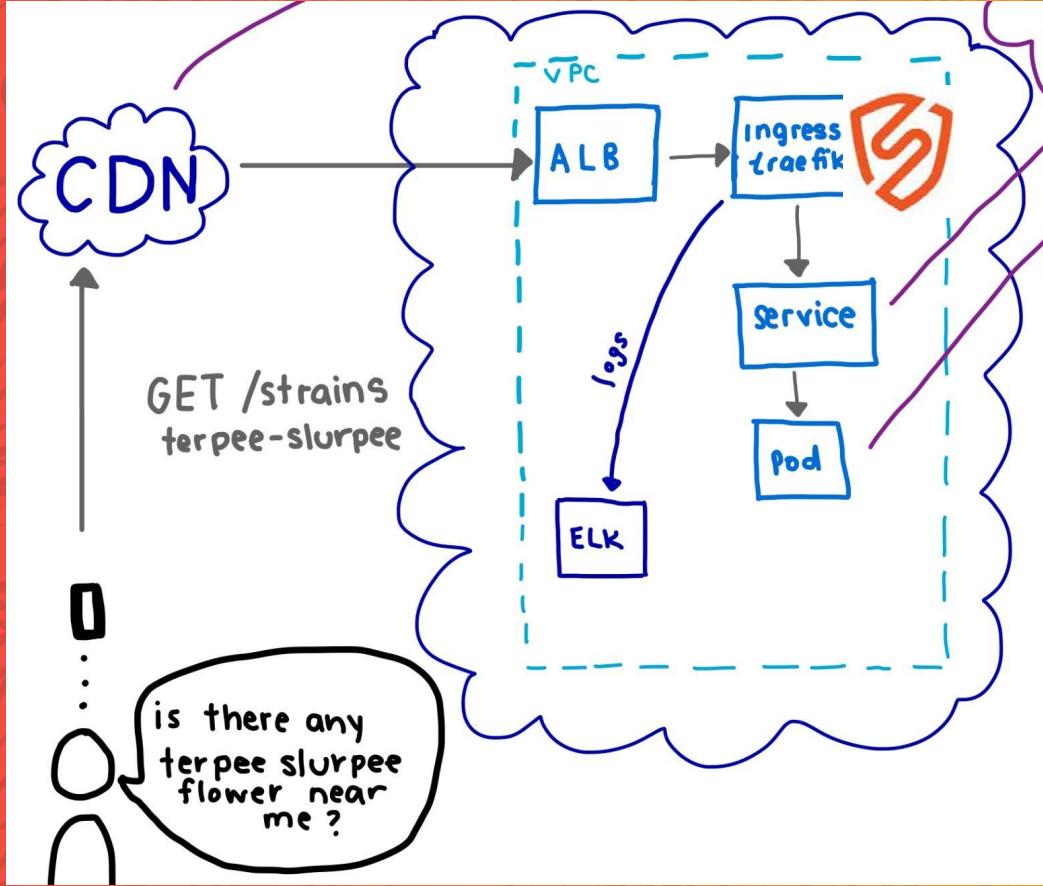
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Distributed tracing is failing, how can we save it?



Joel Groen on May 18th 2023

Blog

• CLOUD NATIVE / OBSERVABILITY



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Available Telemetry



- Traces? Events?
- Logs?
- Instrumentation
- Querying
- Tags/Attrs

SRE
CON AMERICAS



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"

we all test in prod



Thanks!

You can find me at:

- paigerduty
- @chronosphere.io
- @hachyderm.io
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- Images by [Unsplash](#), Pexels, Pixabay

