

There's No Place Like Production

Paige Cruz, Chronosphere



”

i test in prod







HELLO
my name is
PAIGE

pandemic

K8s migration

~80% dept attrition

CI/CD migration

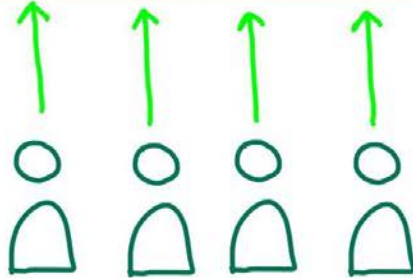
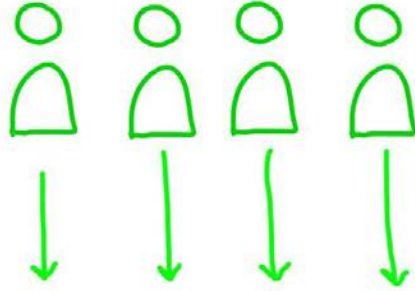
personal life stuff





A cannabis technology
platform providing
integrated solutions
for consumers and
businesses

consumers want to buy cannabis



customers want to sell cannabis

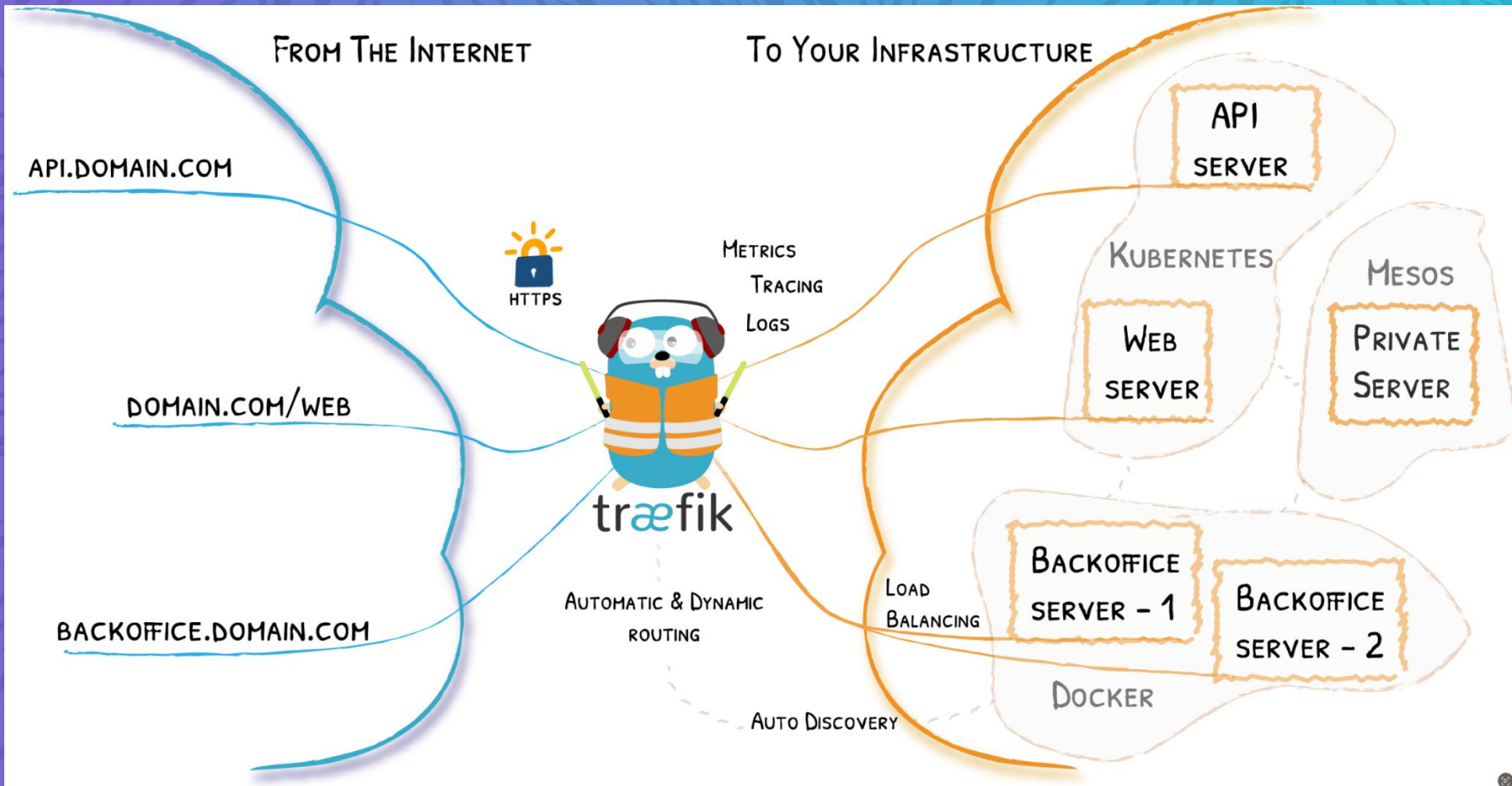
The Stack*



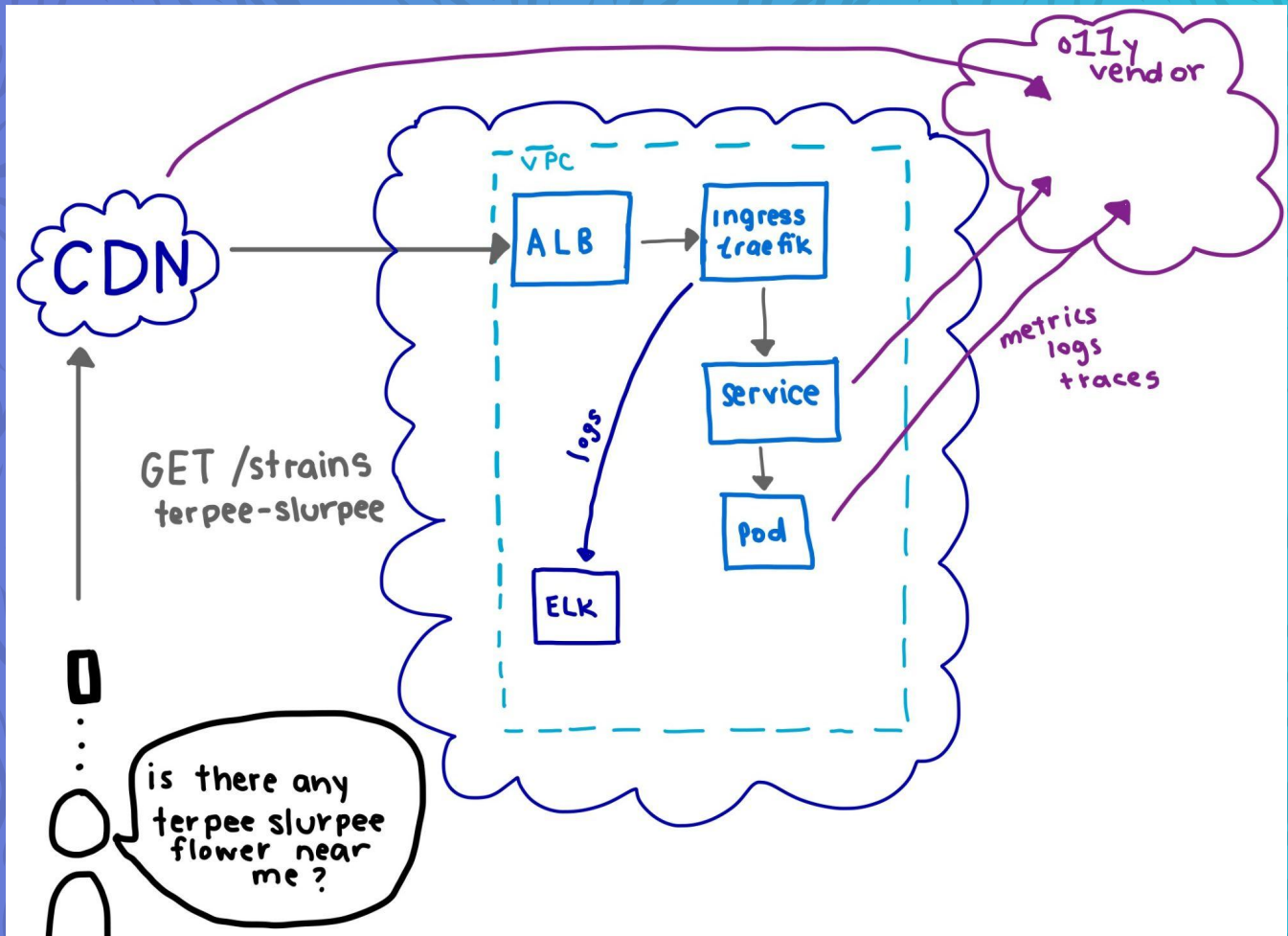
træfik







The Stack*



#justSREThings



**YA
ML**



argo



kubernetes

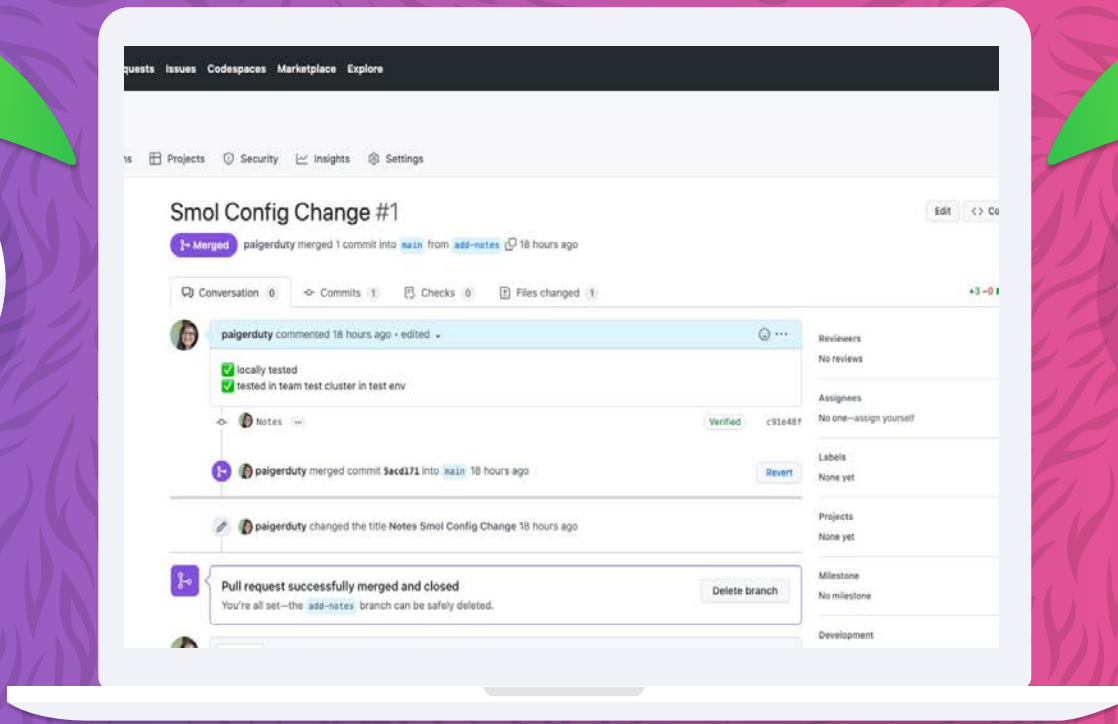
The Change



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



Let's Ship It

ACCEPTANCE

STAGING

PROD



Let's Ship It

ACCEPTANCE

STAGING

PROD



Let's Ship It

ACCEPTANCE

STAGING

PROD





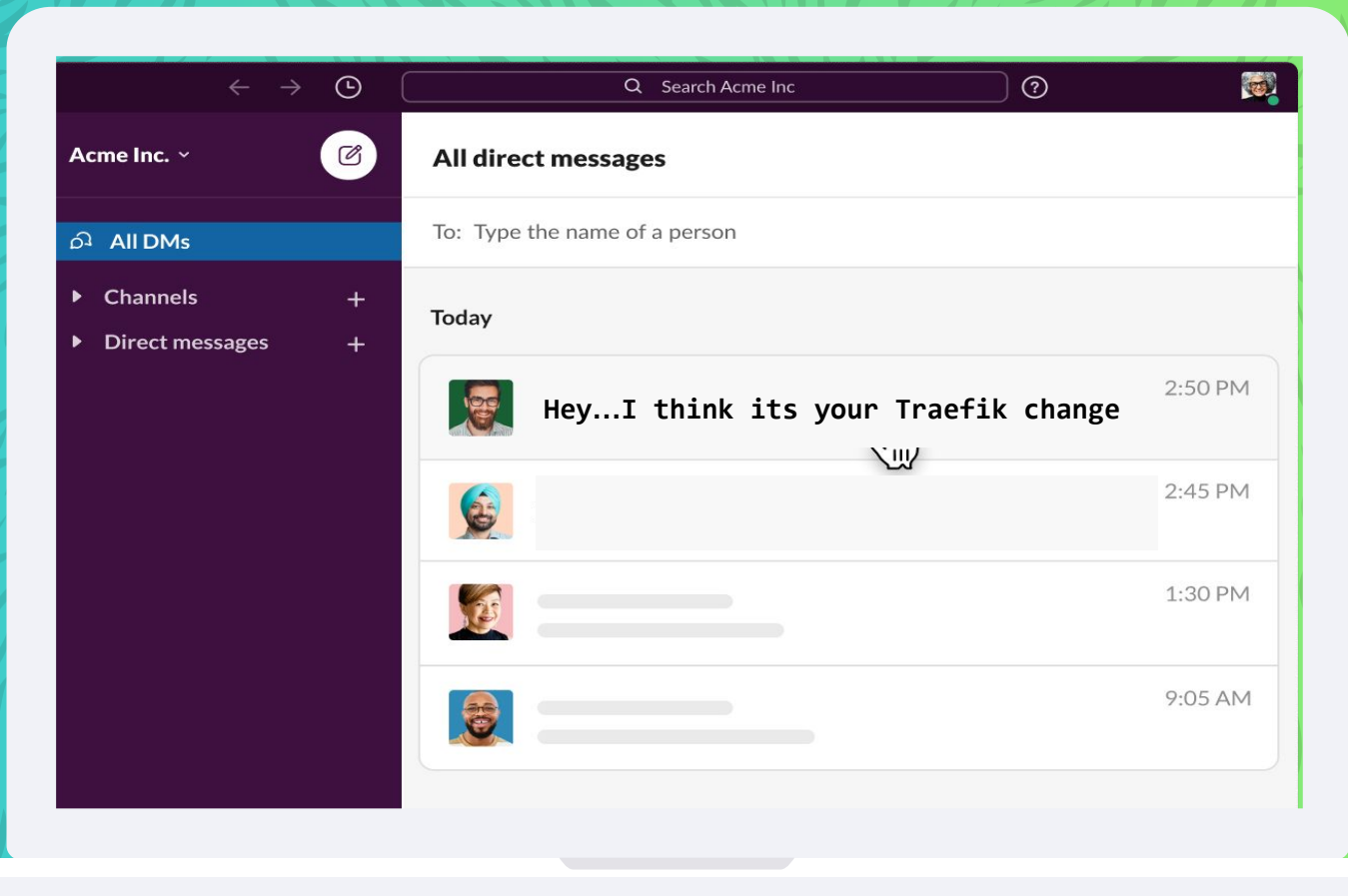
S R E

The Incident











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 e

Notes

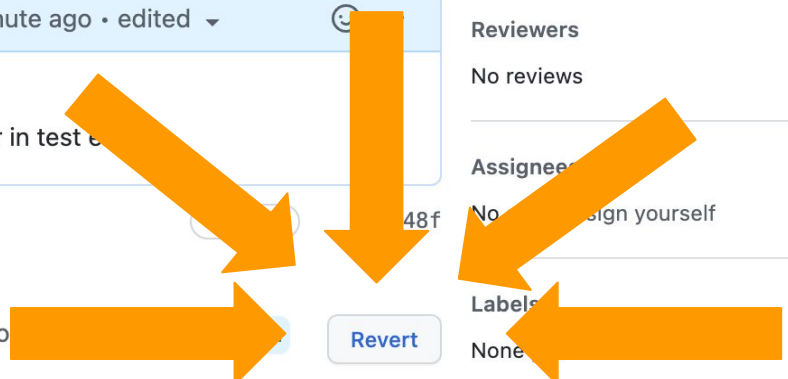
paigerduty merged co 1 minute ago

Revert

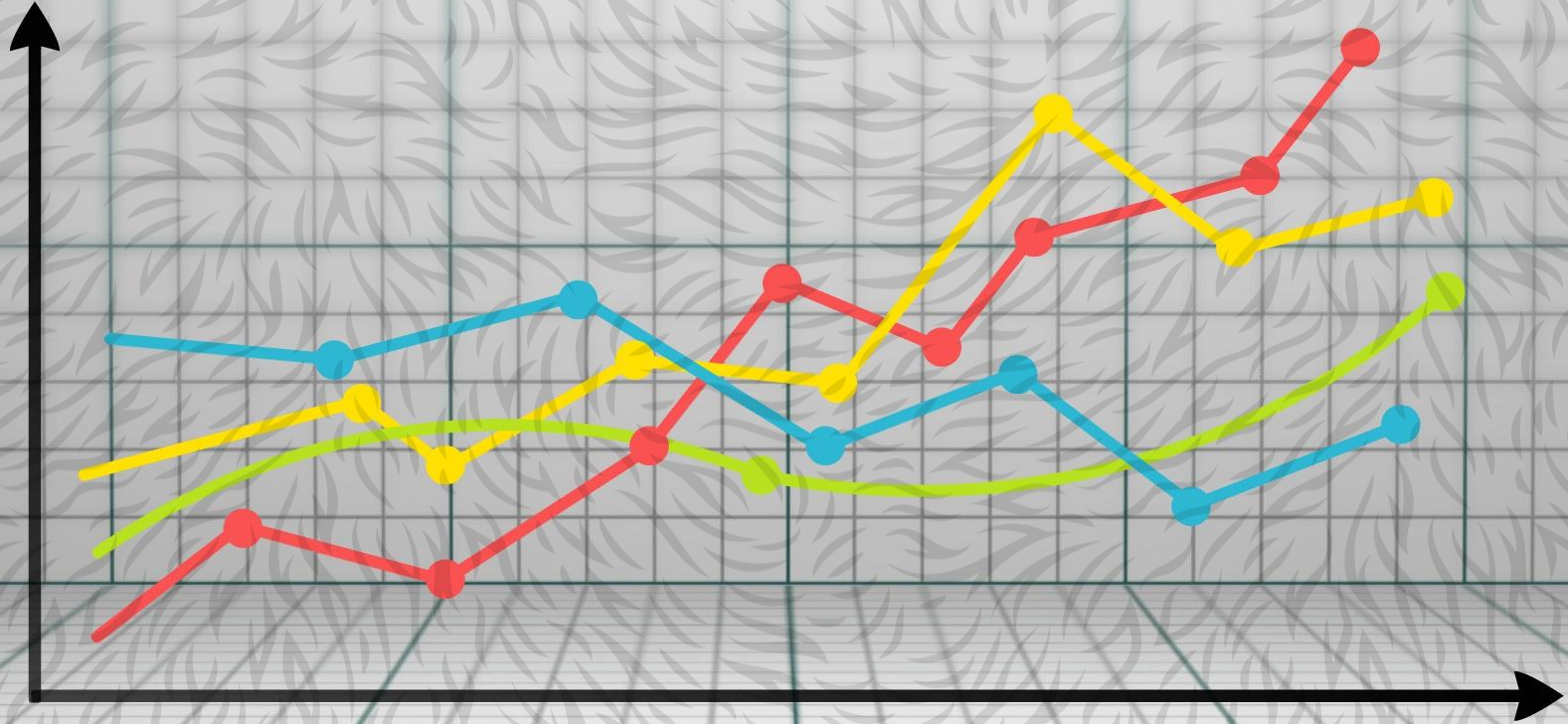
Reviewers
No reviews

Assignees
No assign yourself

Labels
None









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

#hugops



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



The Next Day







To Company
From Paige

*no returns



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

~~post-mortem~~ Incident Review



Spot the Differences: HARD MODE



A

frontend: HTTP GET /
dispatch 6401e43

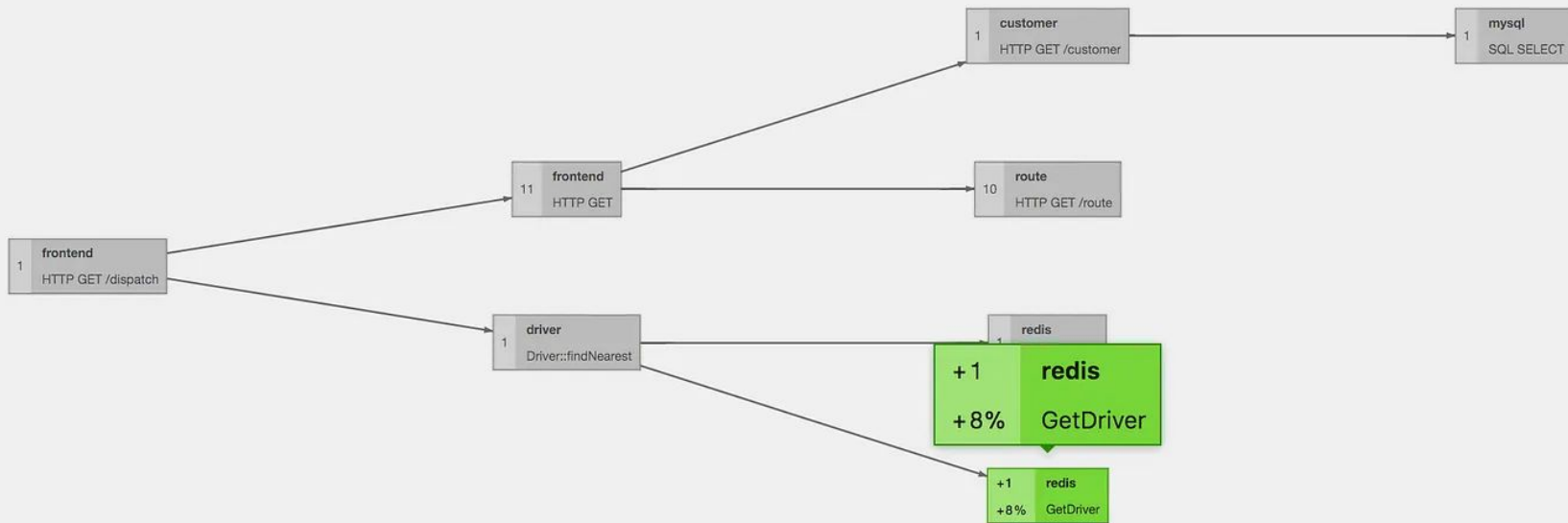
Today, 2:00:43 pm Duration: 1.46s Spans: 50

VS

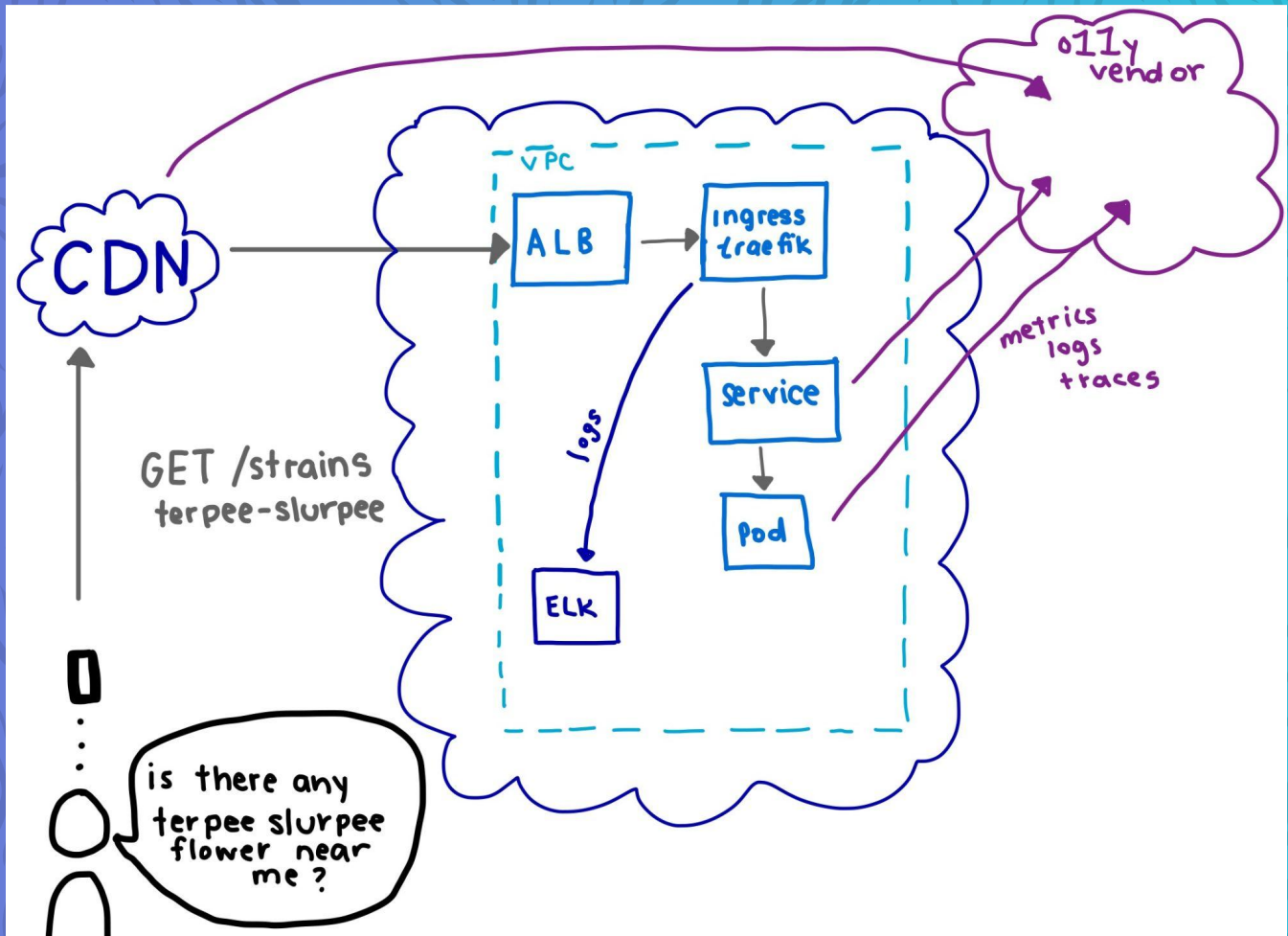
B

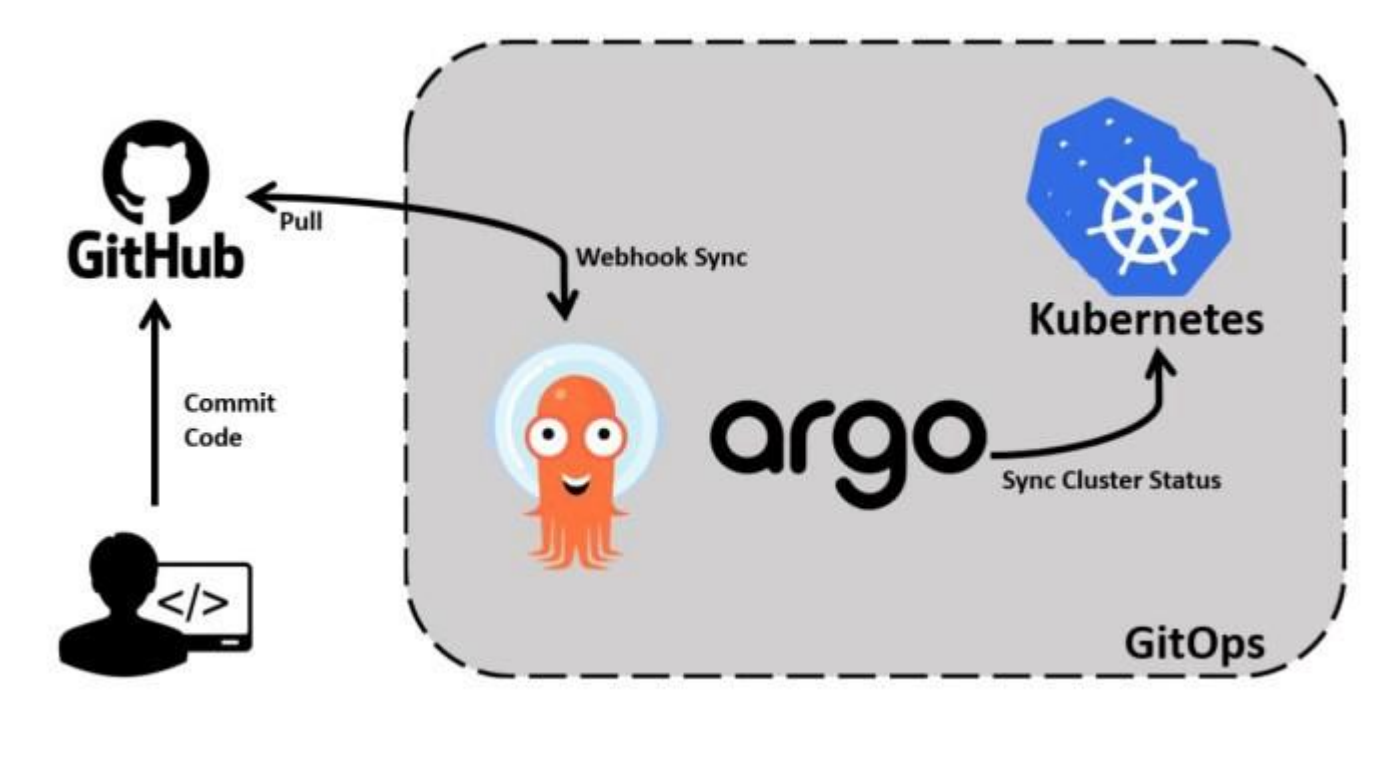
frontend: HTTP GET /
dispatch 6461459

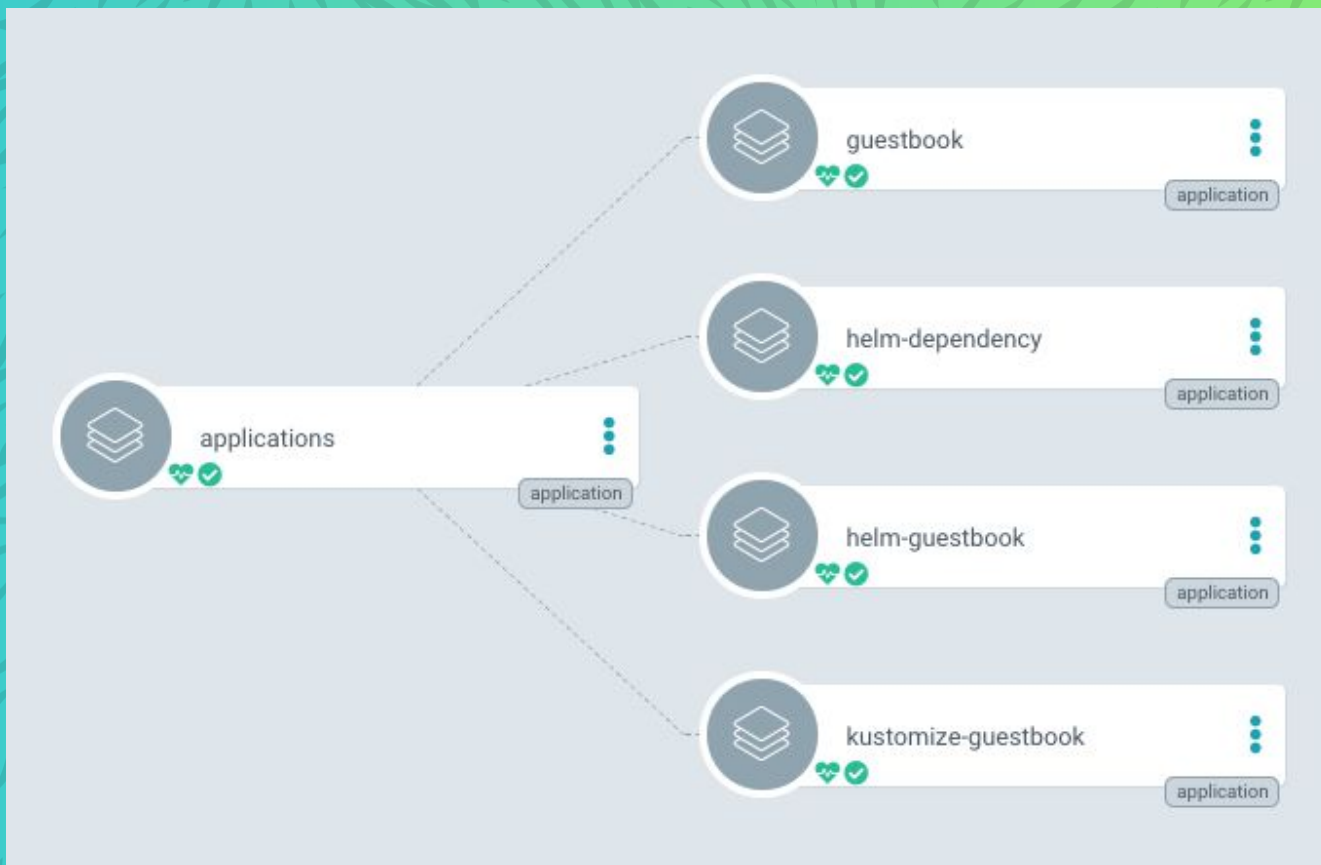
Today, 2:00:43 pm Duration: 1.31s Spans: 51

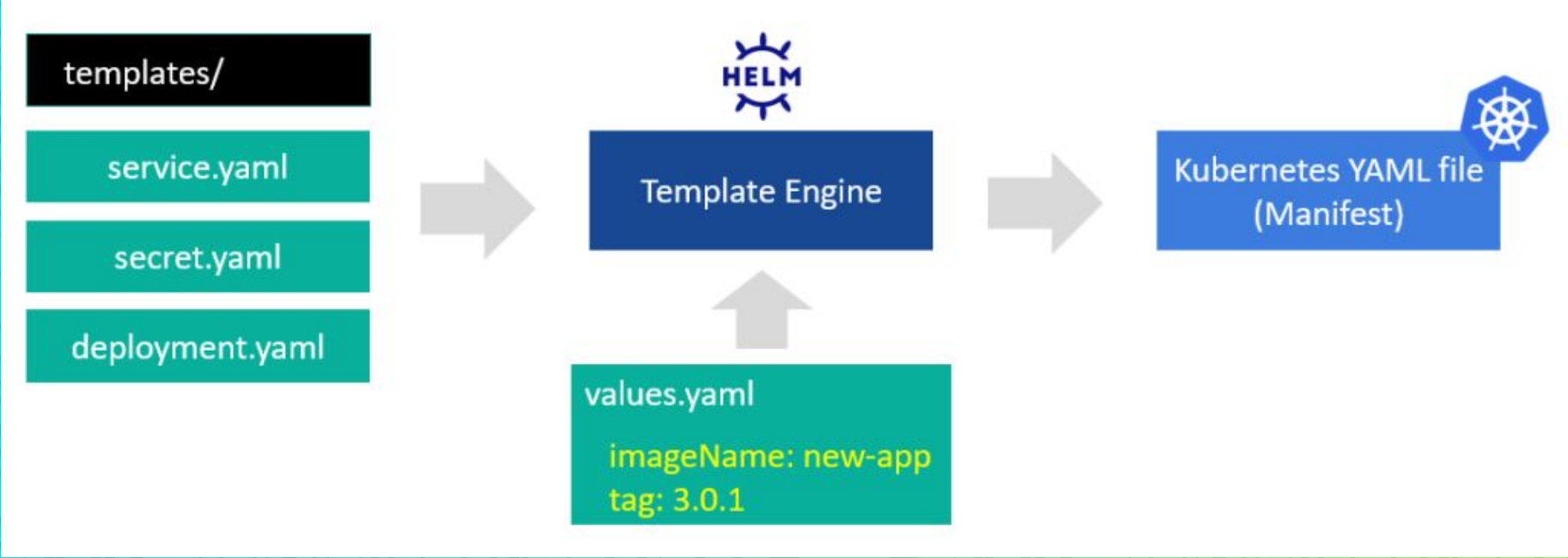


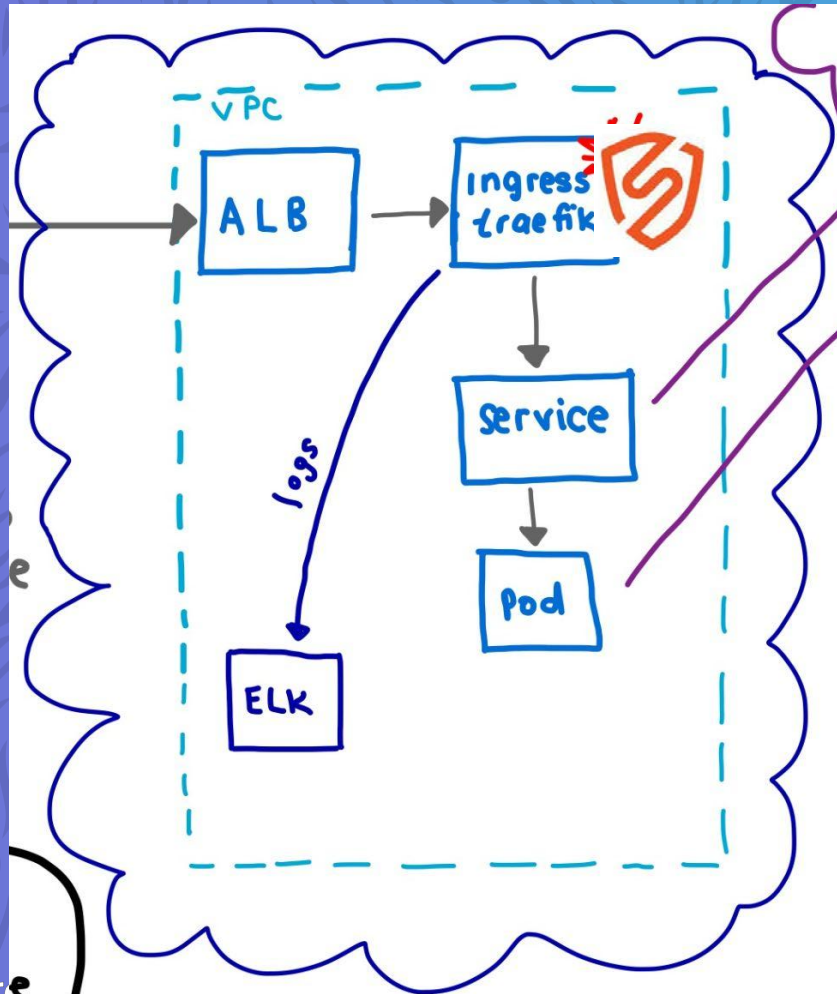
The Stack*















Learnings





Incident
Retro



Incident Chapter Retro BE



**Incident Chapter
Retro BE**

**Chapter
FE**



**Incident
Retro**

**Chapter
BE**

**Chapter
FE**

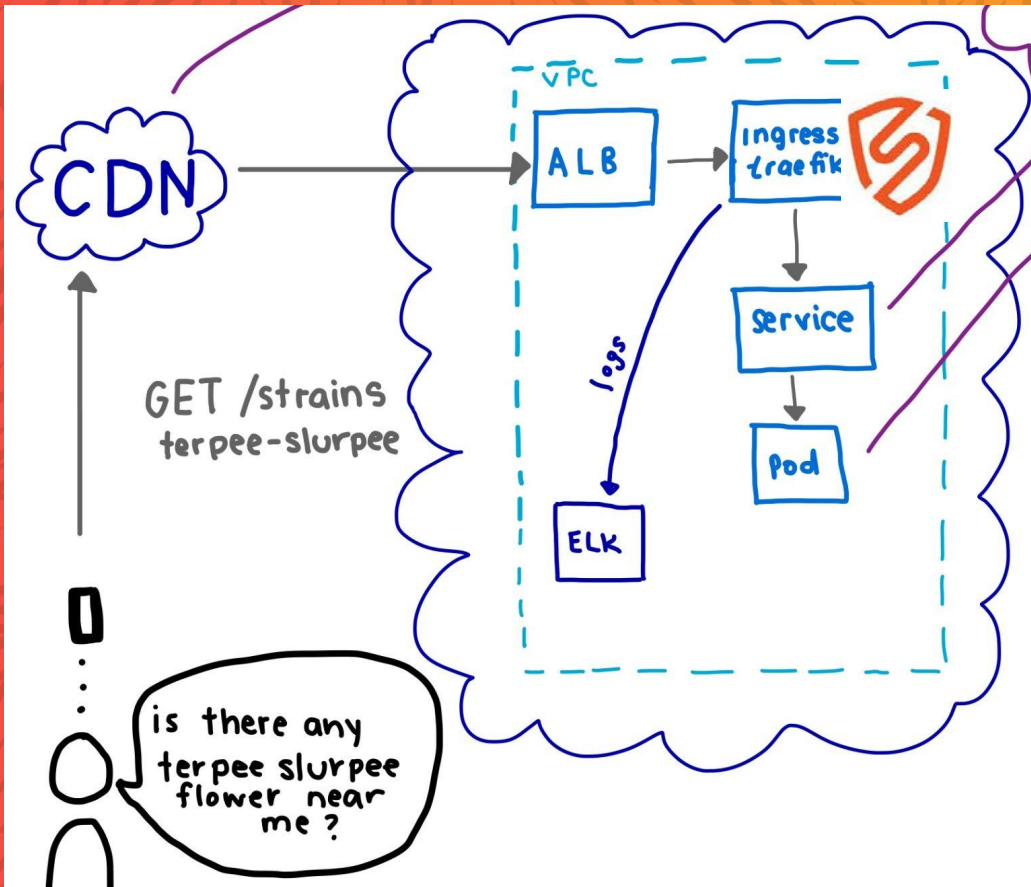
**SRE
Study
Time**





GO
Helm
K8s

Argo





Distributed tracing is failing, how can we save it?



Joel Groen on May 18th 2023

Blog

• CLOUD NATIVE / OBSERVABILITY

Available Telemetry



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

**SRE
CON** AMERICAS





“



we all test in prod

Thanks!

You can find me at:

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

