

OBSERVABILITY

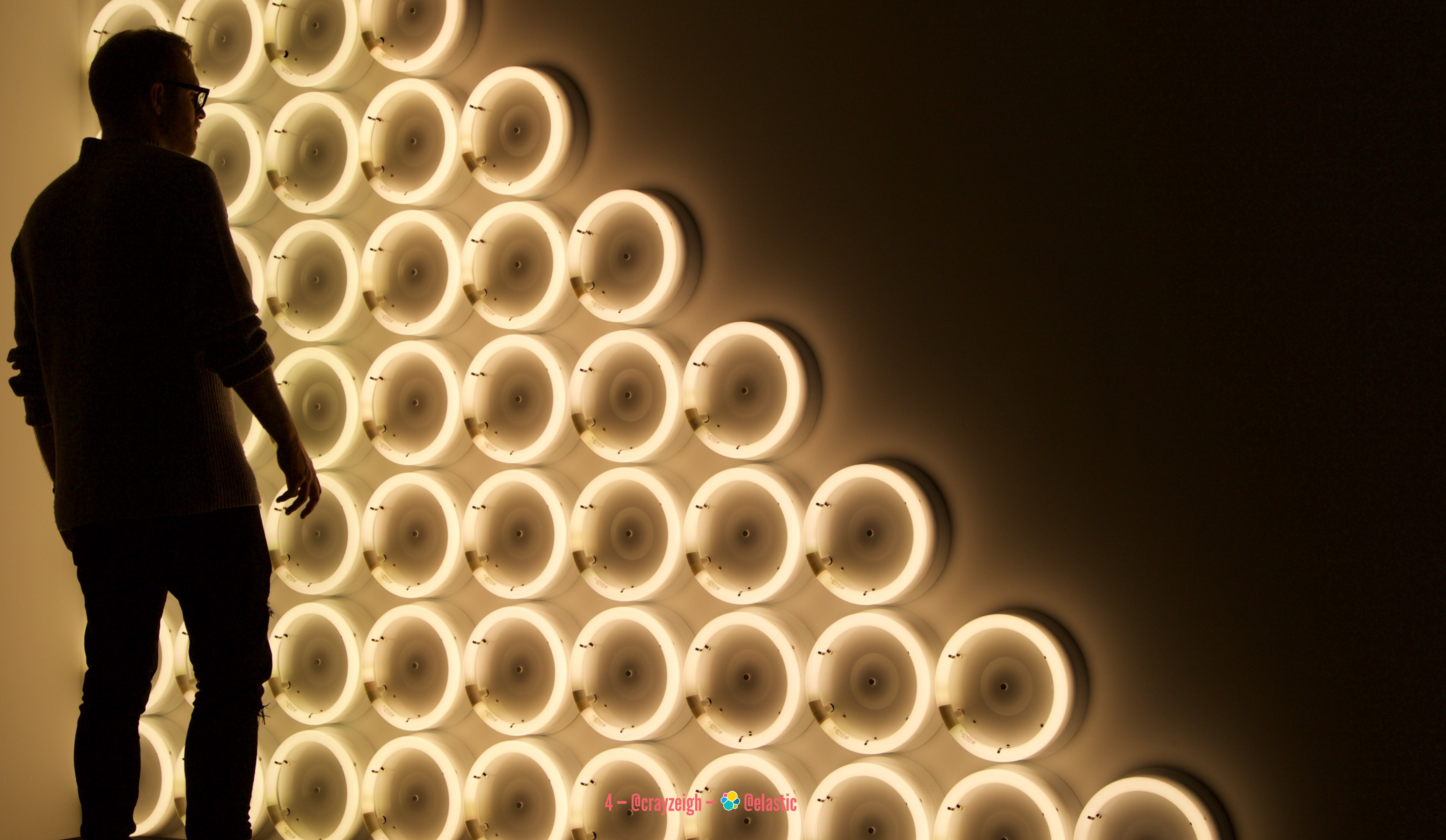
OBSERVED

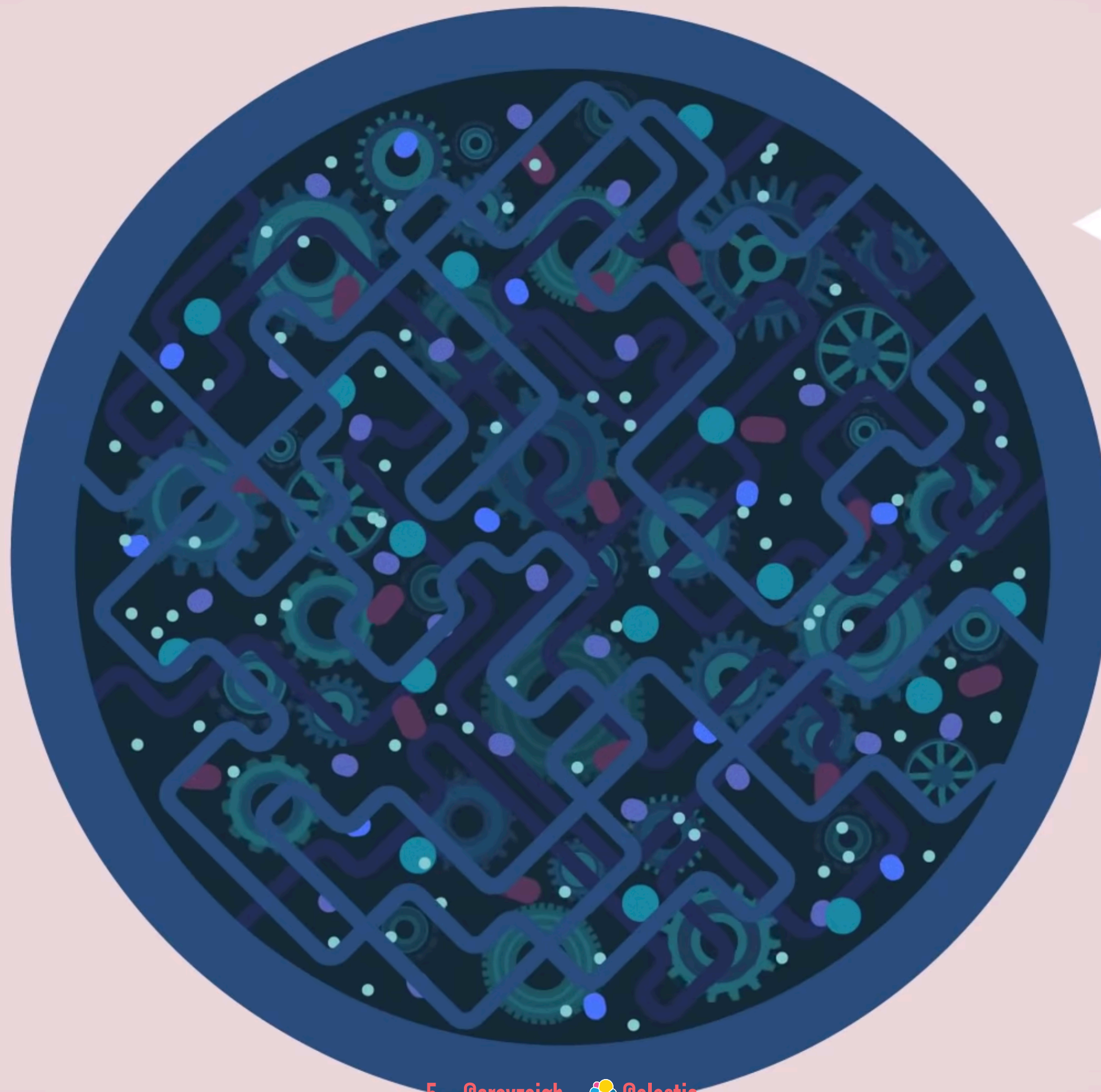
in five minutes or less

*Isn't this just monitoring with better
SEO?
- you*

A man with a beard and sunglasses is sitting in the driver's seat of a car at night. The image has a strong blue color cast. There are two bright, starburst-like light effects on the windshield. The text "You're not wrong..." is written in a white, cursive font across the center of the image.

You're not wrong...





EVERYTHING IS
just a little bit broken

Shift Right:

HOW DO YOU DELIVER VALUE?

SERVICE HEALTH

NOT

SYSTEM HEALTH

Observability (011Y)

A system is observable when you can ask arbitrary questions about it and receive meaningful answers without having to resort to writing new code or command line tools.

It lets you discover unknown-unknowns and debug in production.

THREE PILLARS OF 011Y

1. Metrics

2. Logs

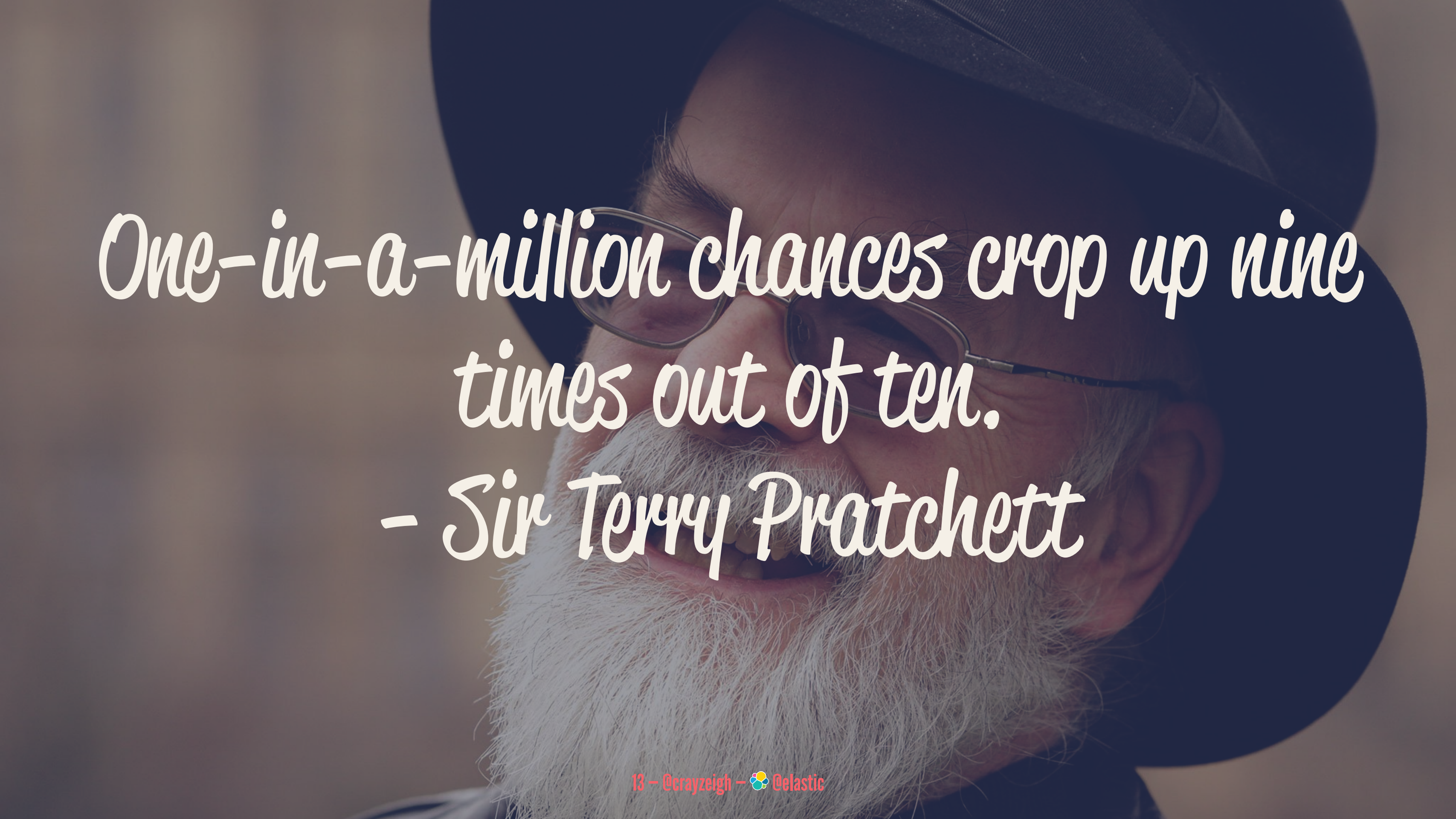
3. APM



Tools

NOT

PILLARS



*One-in-a-million chances crop up nine
times out of ten.
- Sir Terry Pratchett*

0

20 ms

40 ms

60 ms

80 ms

100 ms

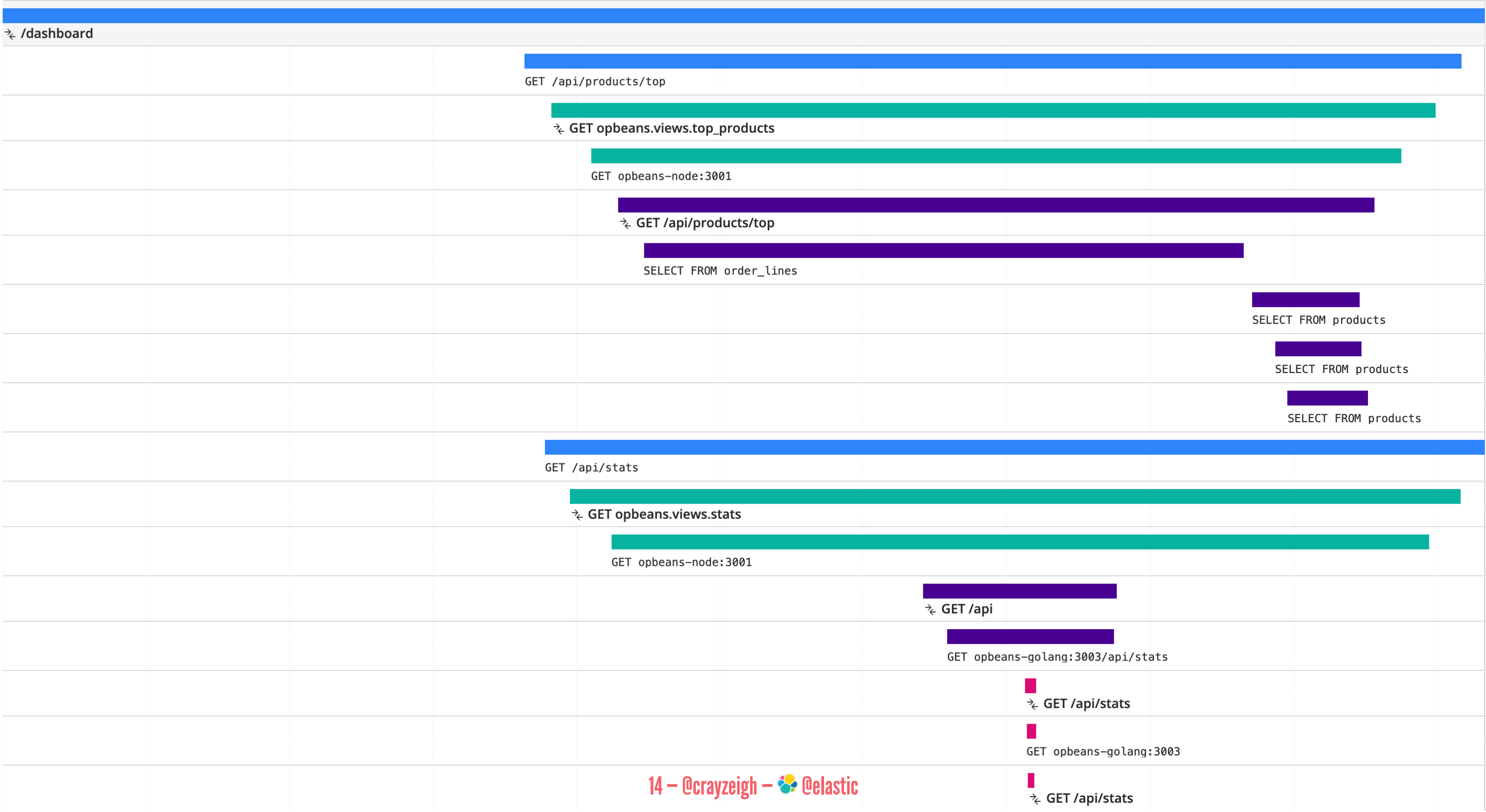
120 ms

140 ms

160 ms

180 ms

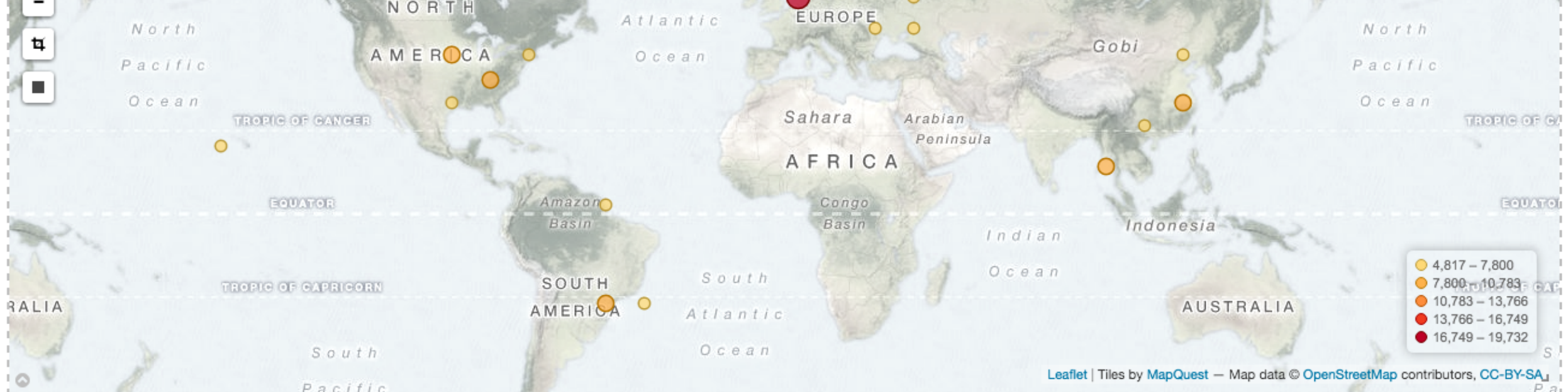
207 ms



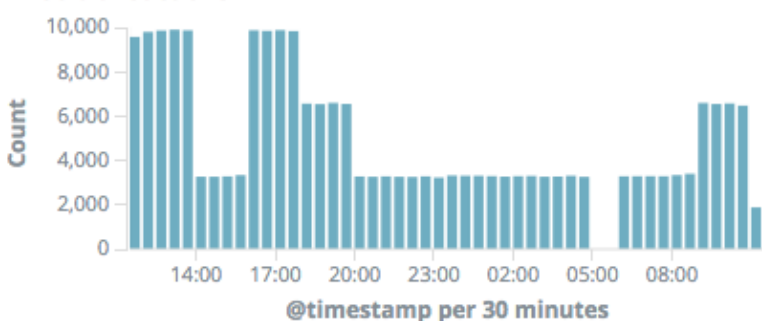


Packetbeat.

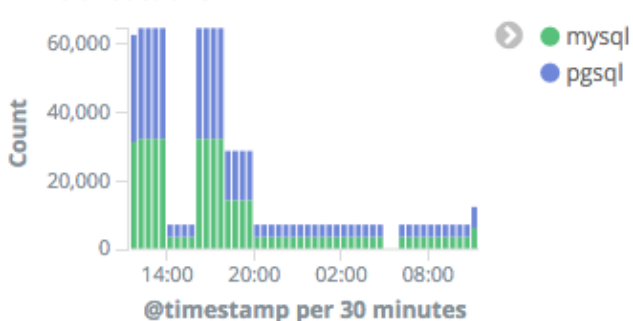
- Overview
- Web transactions
- MySQL performance
- PostgreSQL performance
- MongoDB performance
- Thrift-RPC performance
- NFS transactions



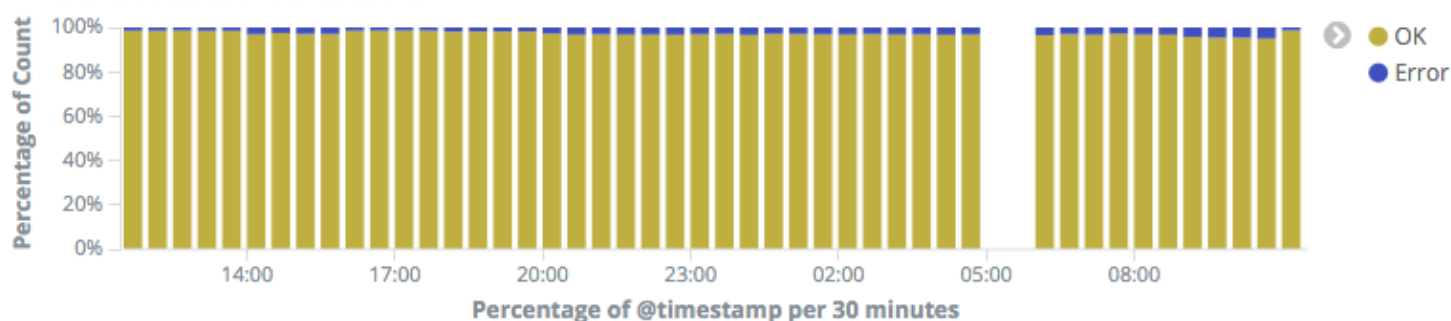
Web transactions



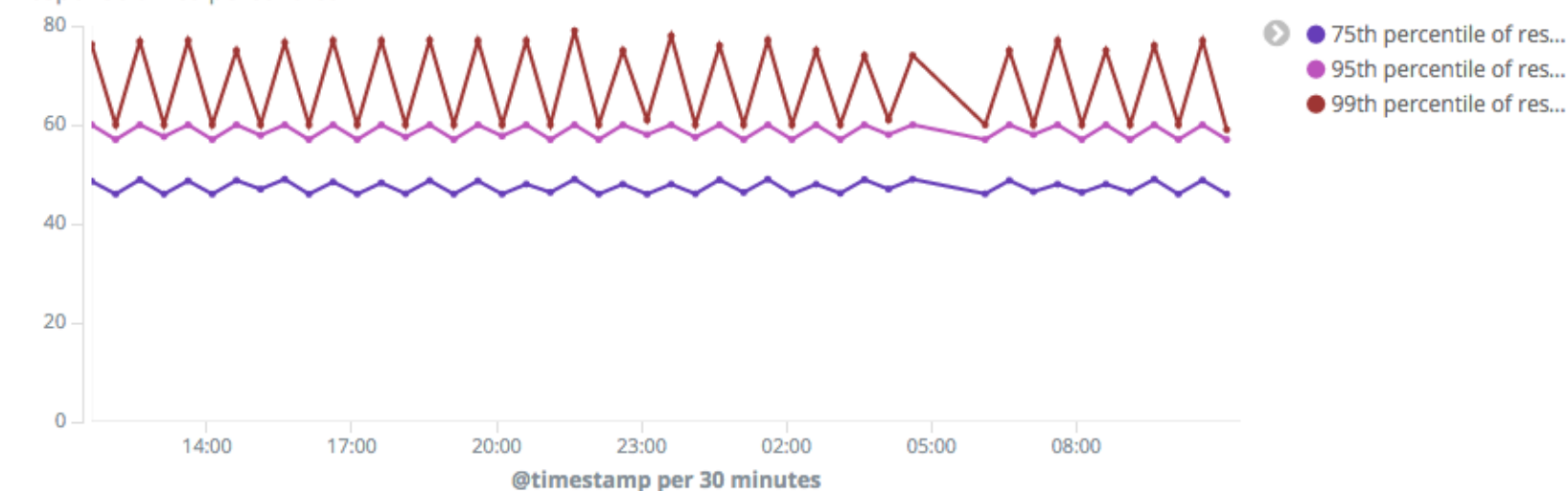
DB transactions



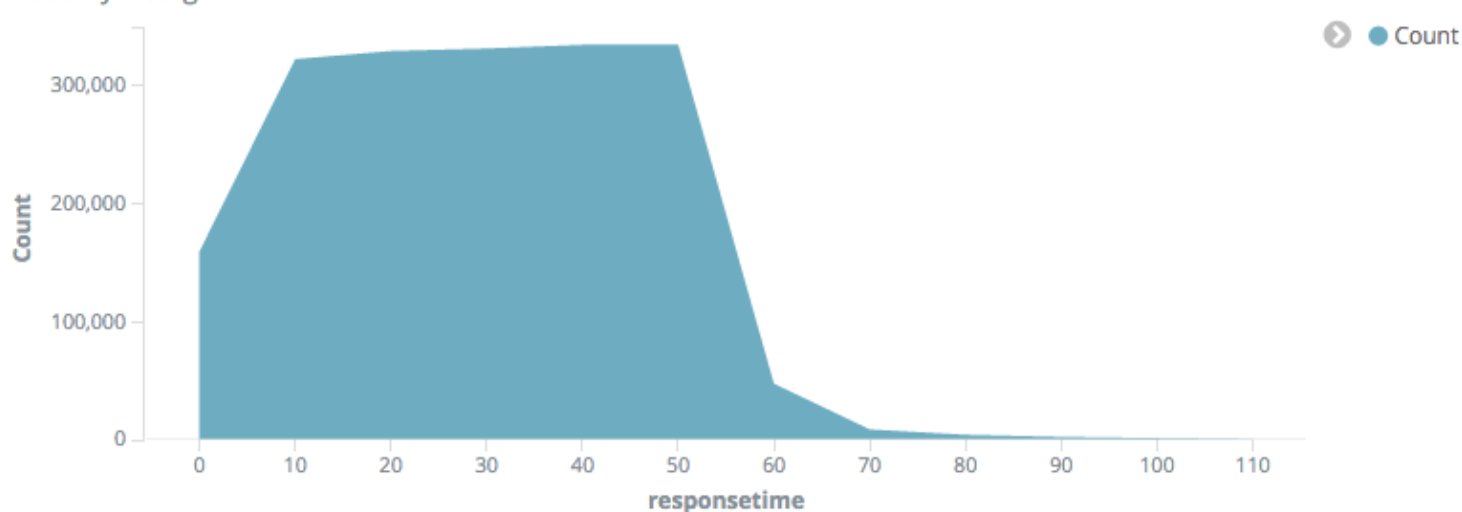
Errors vs successful transactions



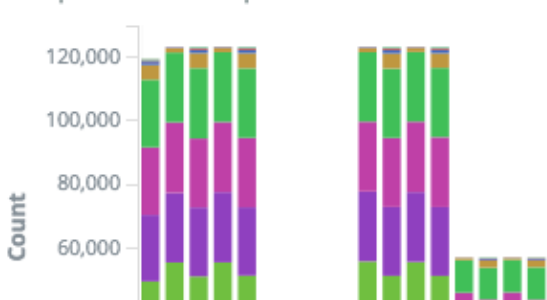
Response times percentiles



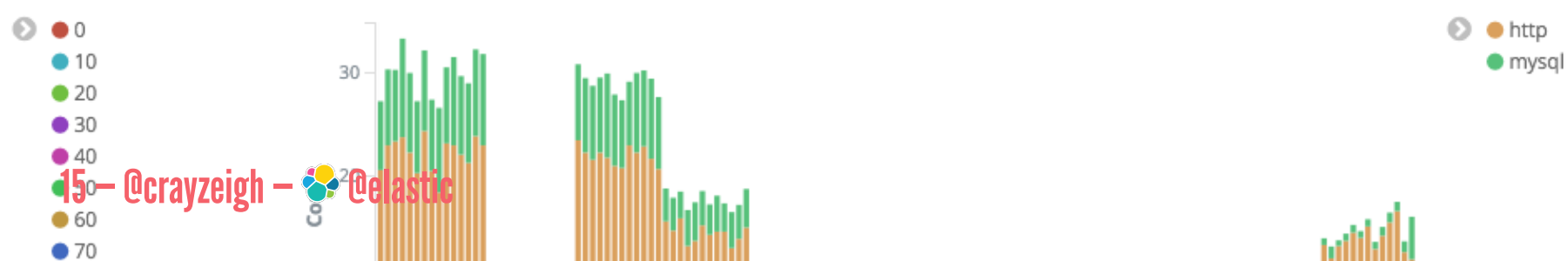
Latency histogram



Response times repartition



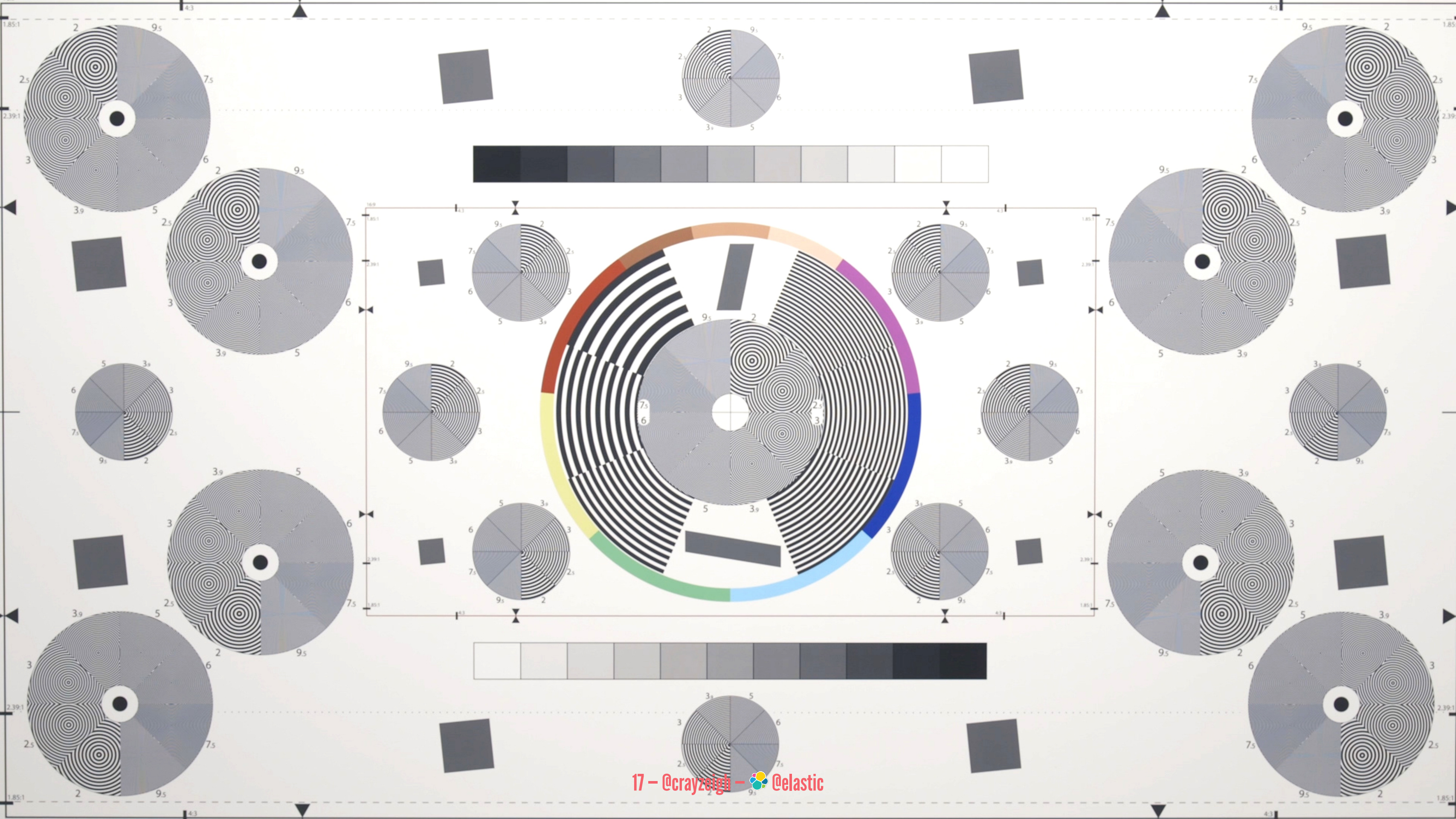
Errors count over time

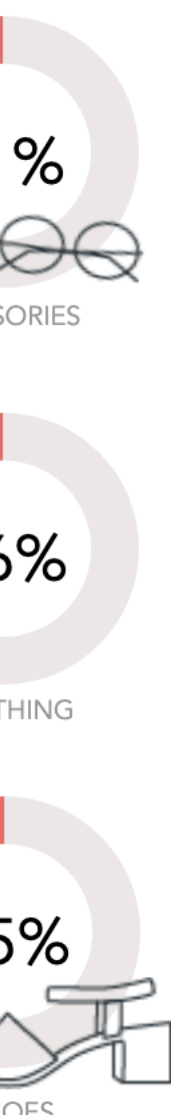


TEST IN PRODUCTION

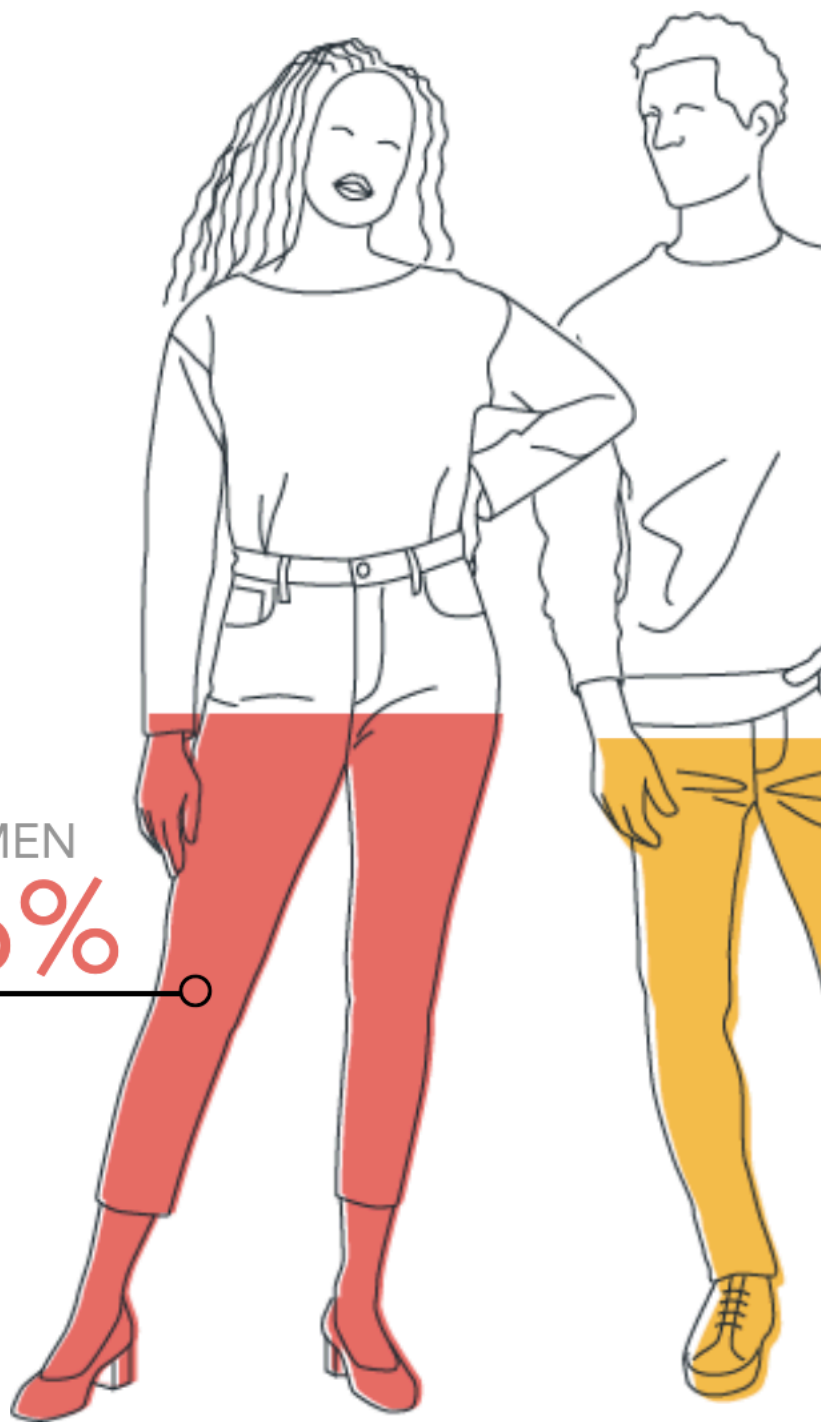


 With Feature Flags and Canary Deploys





WOMEN
56%



REVENUE BY CATEGORY

Conversion Ratio

1.03%

Bounce Rate

49.4%

Email Campaigns

24

Newsletter

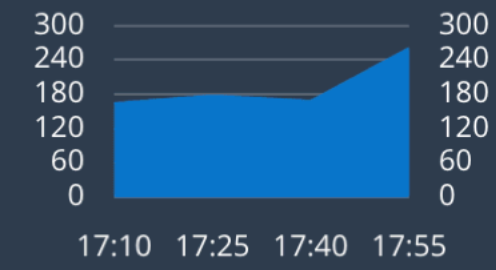
53.8%

Campaign Responses

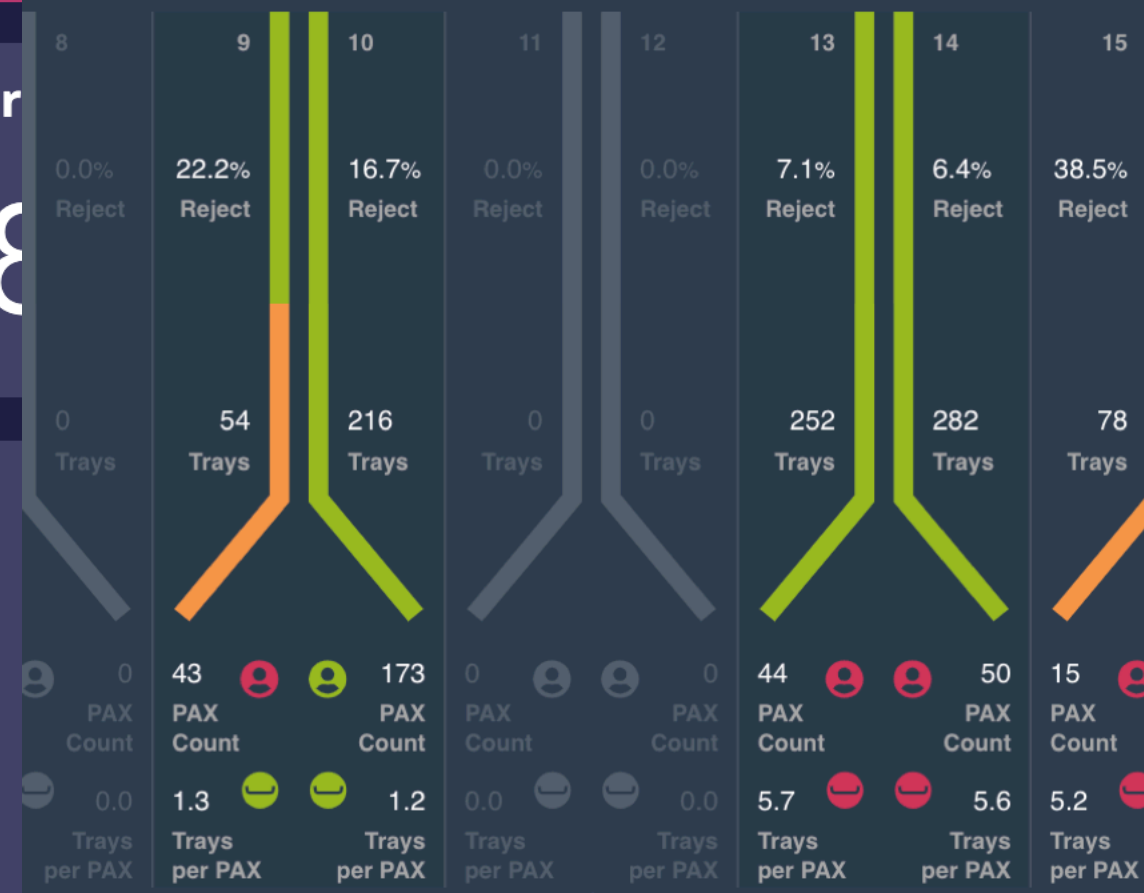


18 - @crayzeigh - @elastic

BCR Scans (last hour)



IDL Occupancy (last 5 minutes)



192
Average Tray Count

She doesn't care whether or not [the datacenter is literally on fire], just as long as the ship's coming in.

-Cake, Italian Leather Sofa 

 Lightly interpreted

**ARE YOU
CREATING VALUE?**