

# OBSERVABILITY

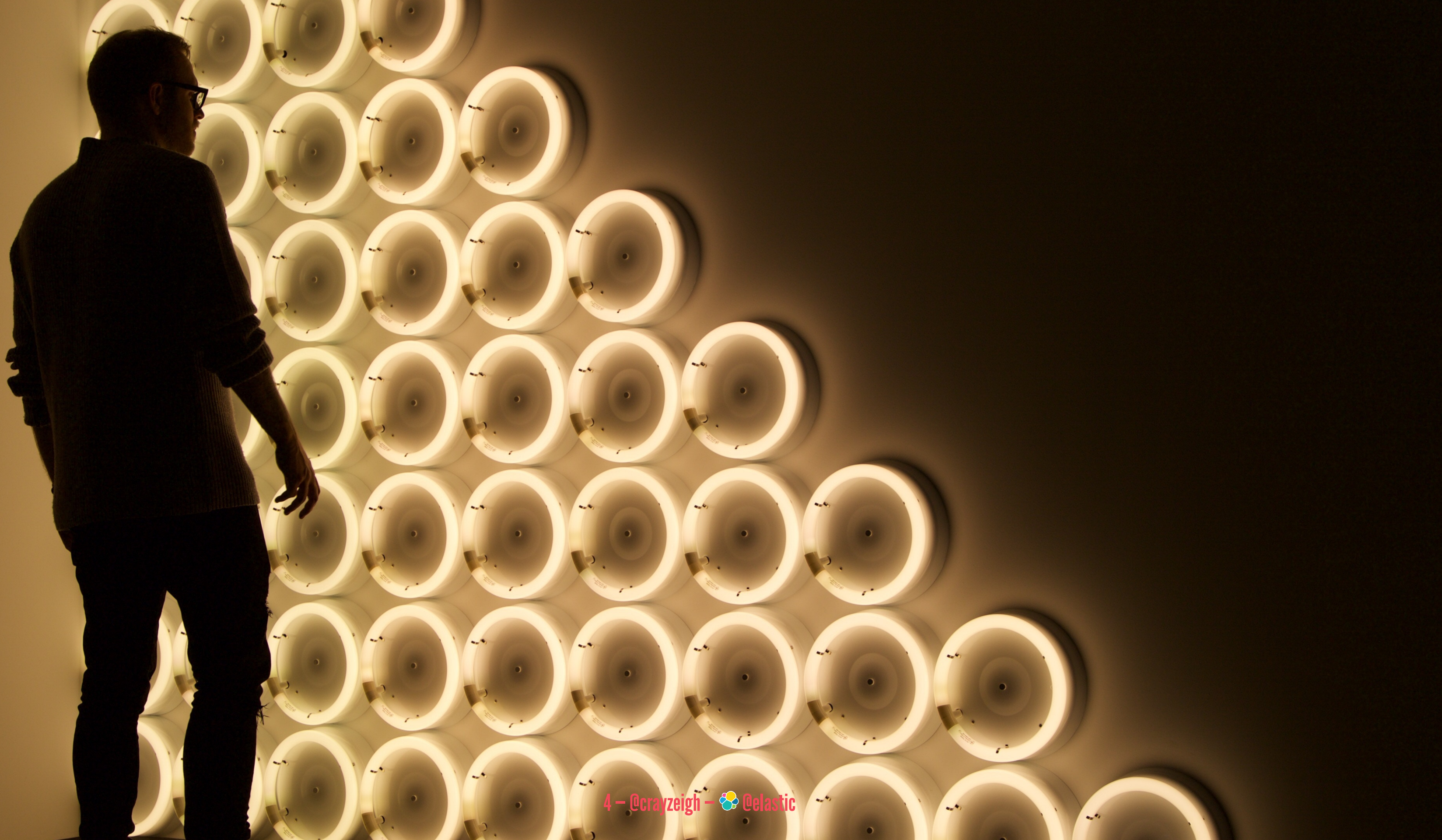
# OBSERVED

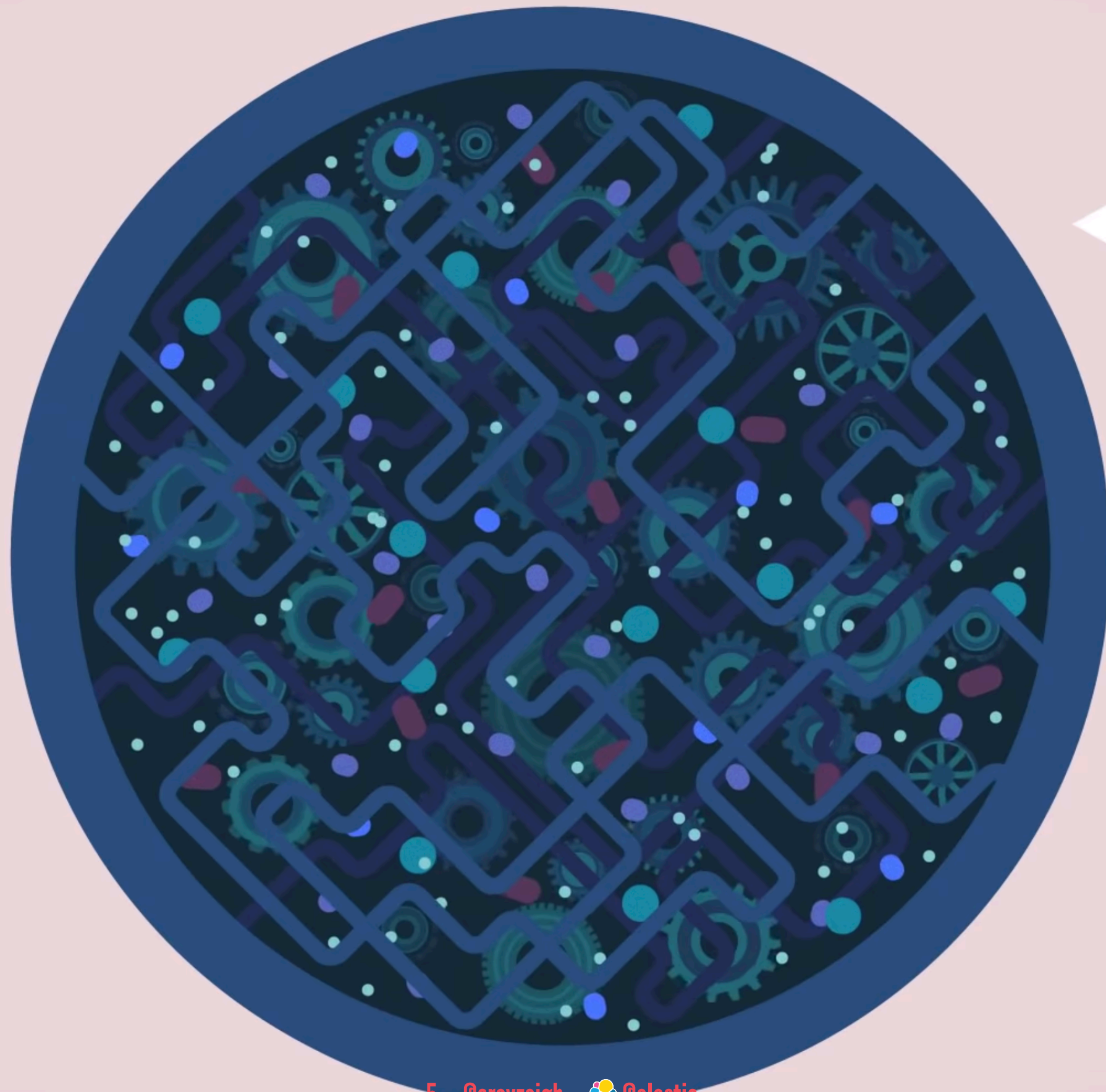
in five minutes or less

*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. He is looking out the window. In the background, there are police cars with flashing blue and red lights. The text "You're not wrong..." is overlaid on the image in a white, cursive font.

*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

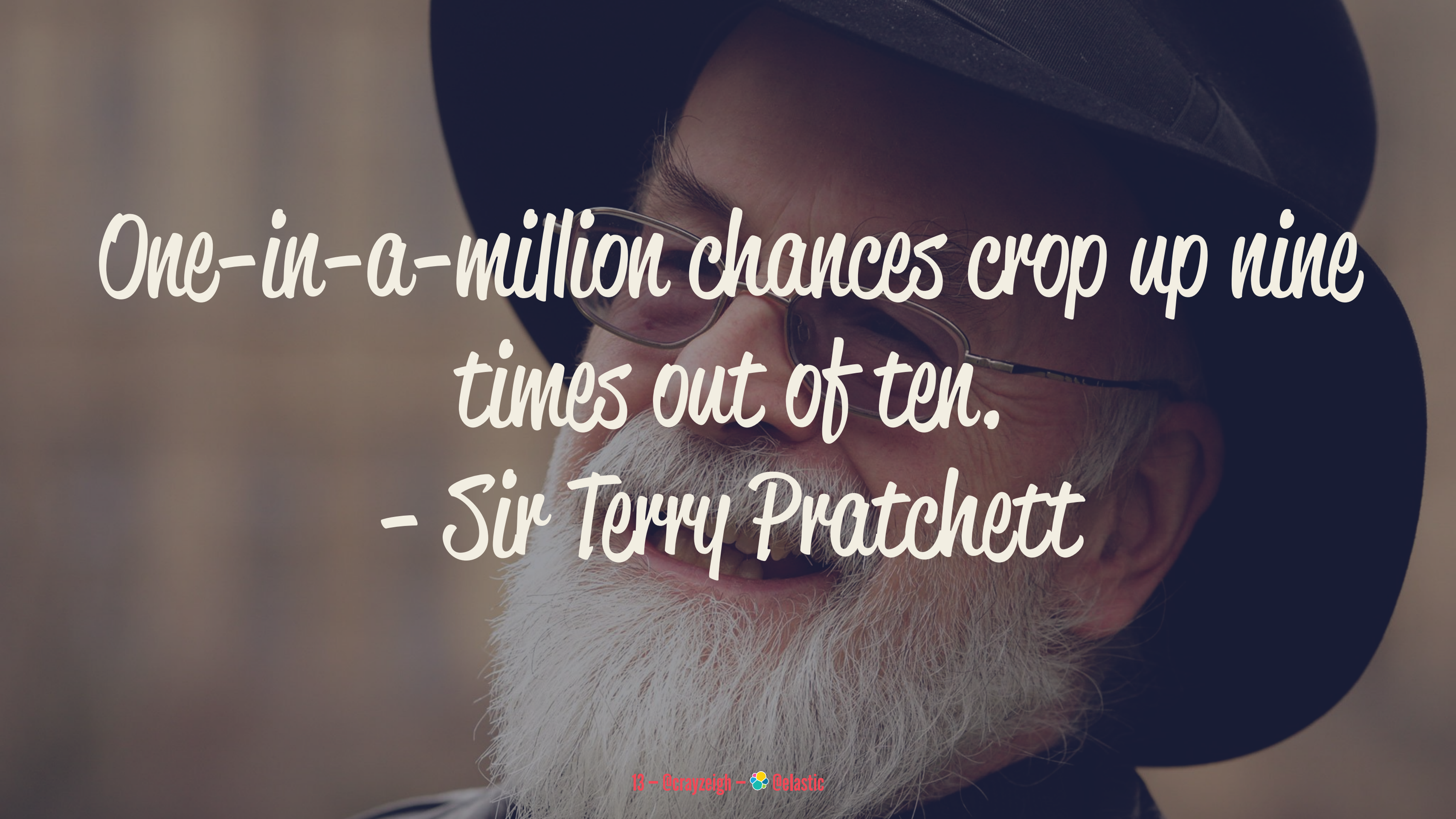
3. APM



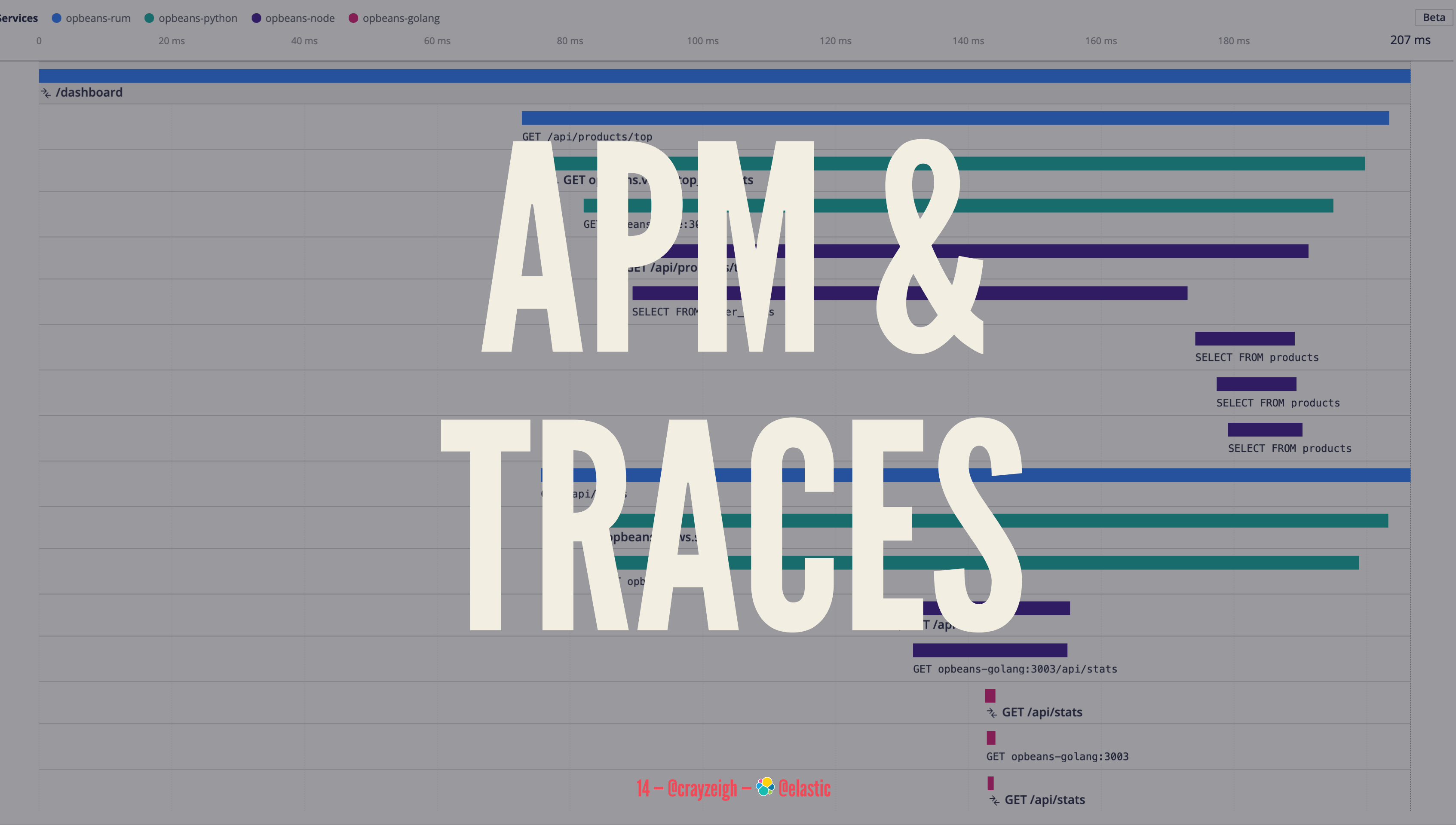
# Media

NOT

# PILLARS



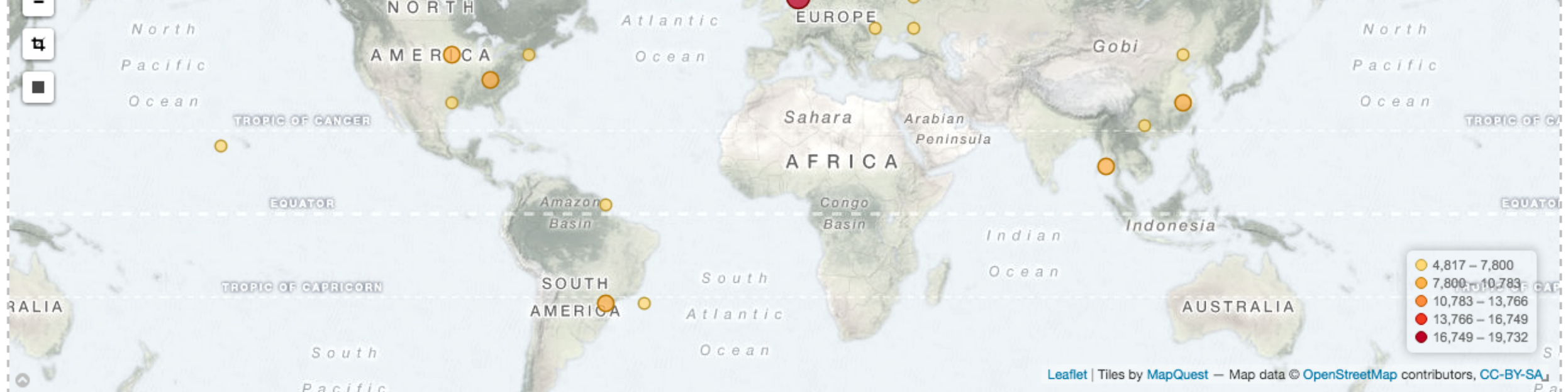
*One-in-a-million chances crop up nine  
times out of ten.  
- Sir Terry Pratchett*



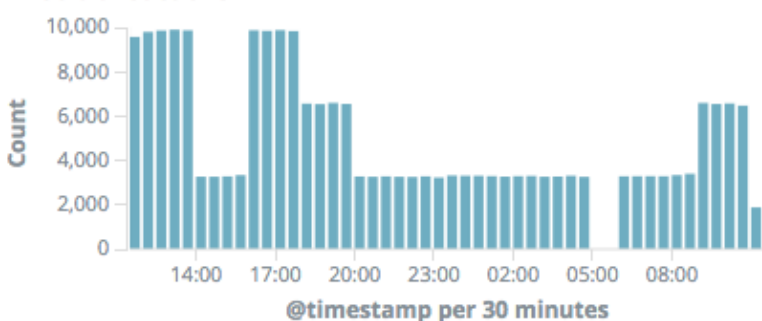


# Packetbeat.

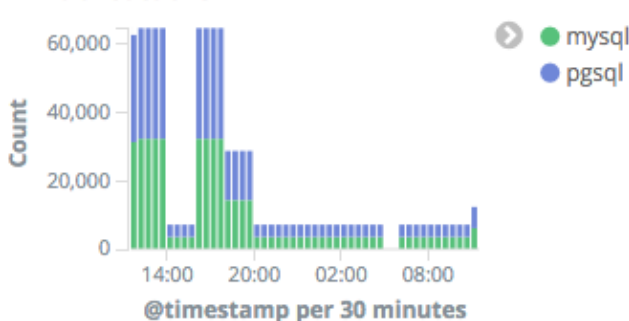
- Overview
- Web transactions
- MySQL performance
- PostgreSQL performance
- MongoDB performance
- Thrift-RPC performance
- NFS transactions



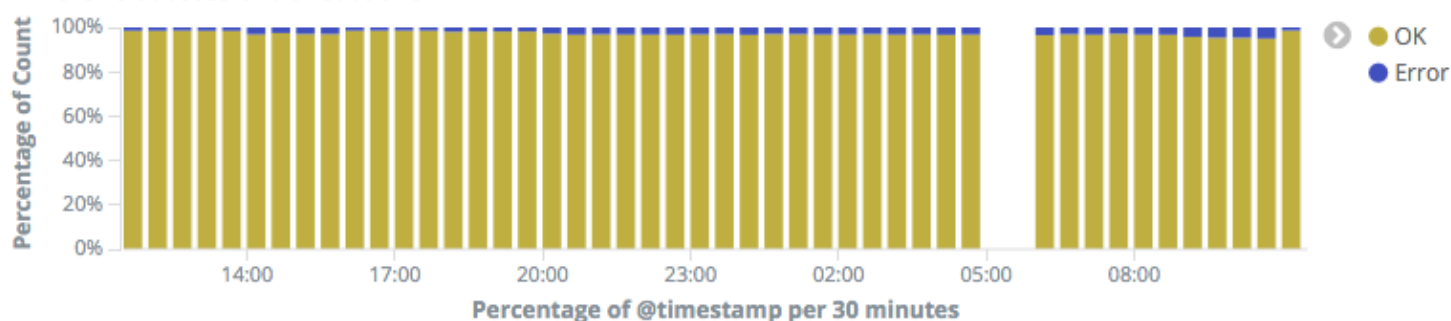
Web transactions



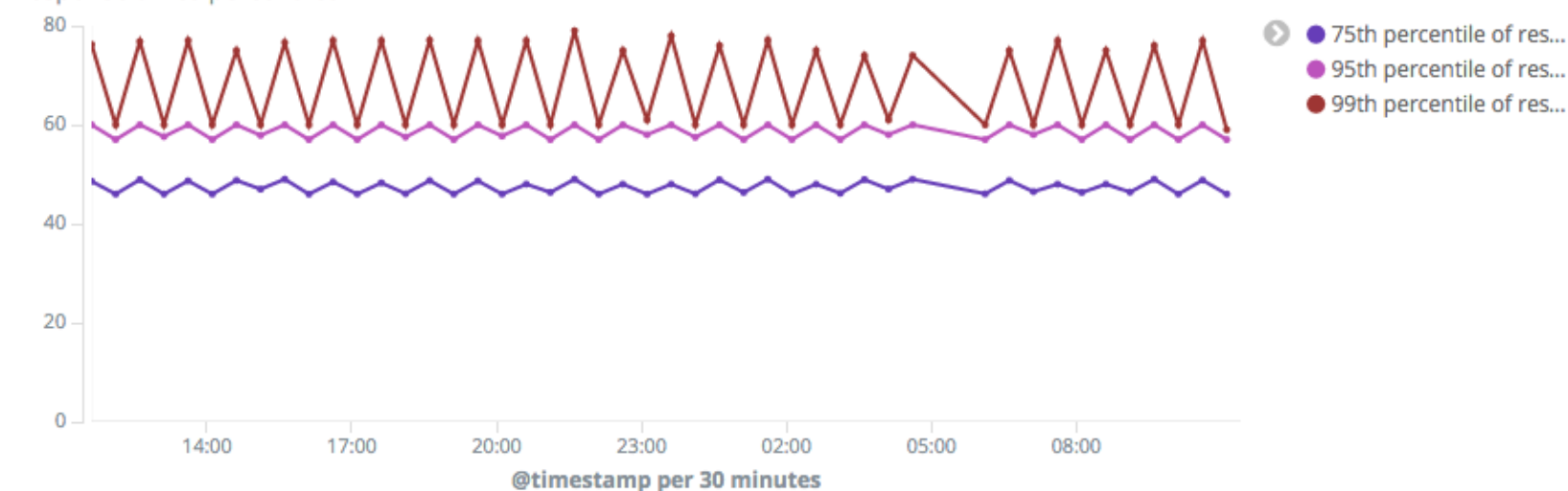
DB transactions



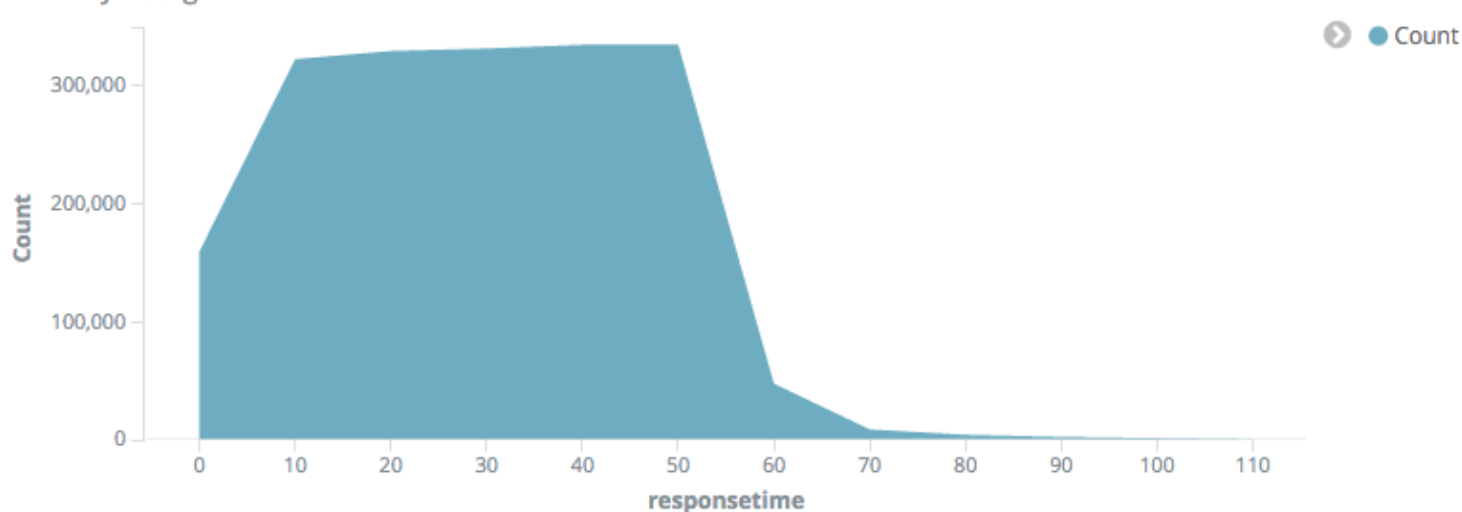
Errors vs successful transactions



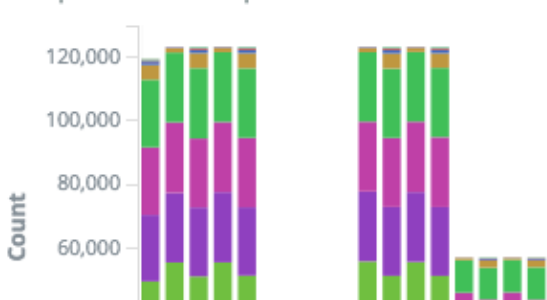
Response times percentiles



Latency histogram



Response times repartition



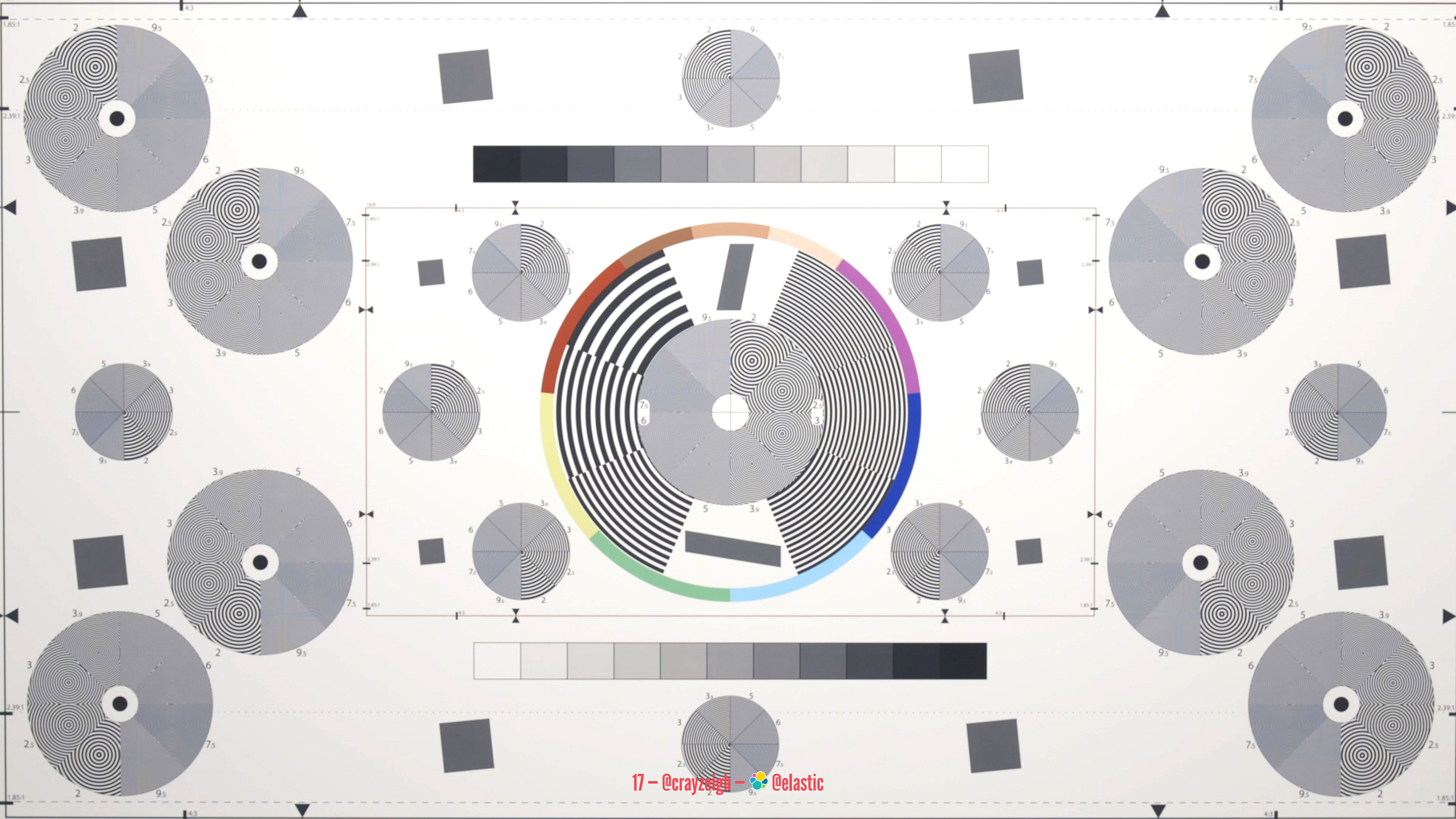
Errors count over time

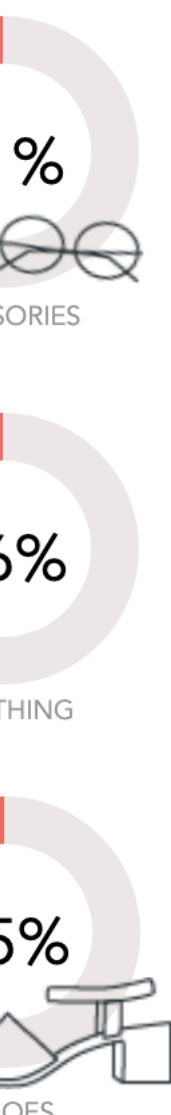


# TEST IN PRODUCTION

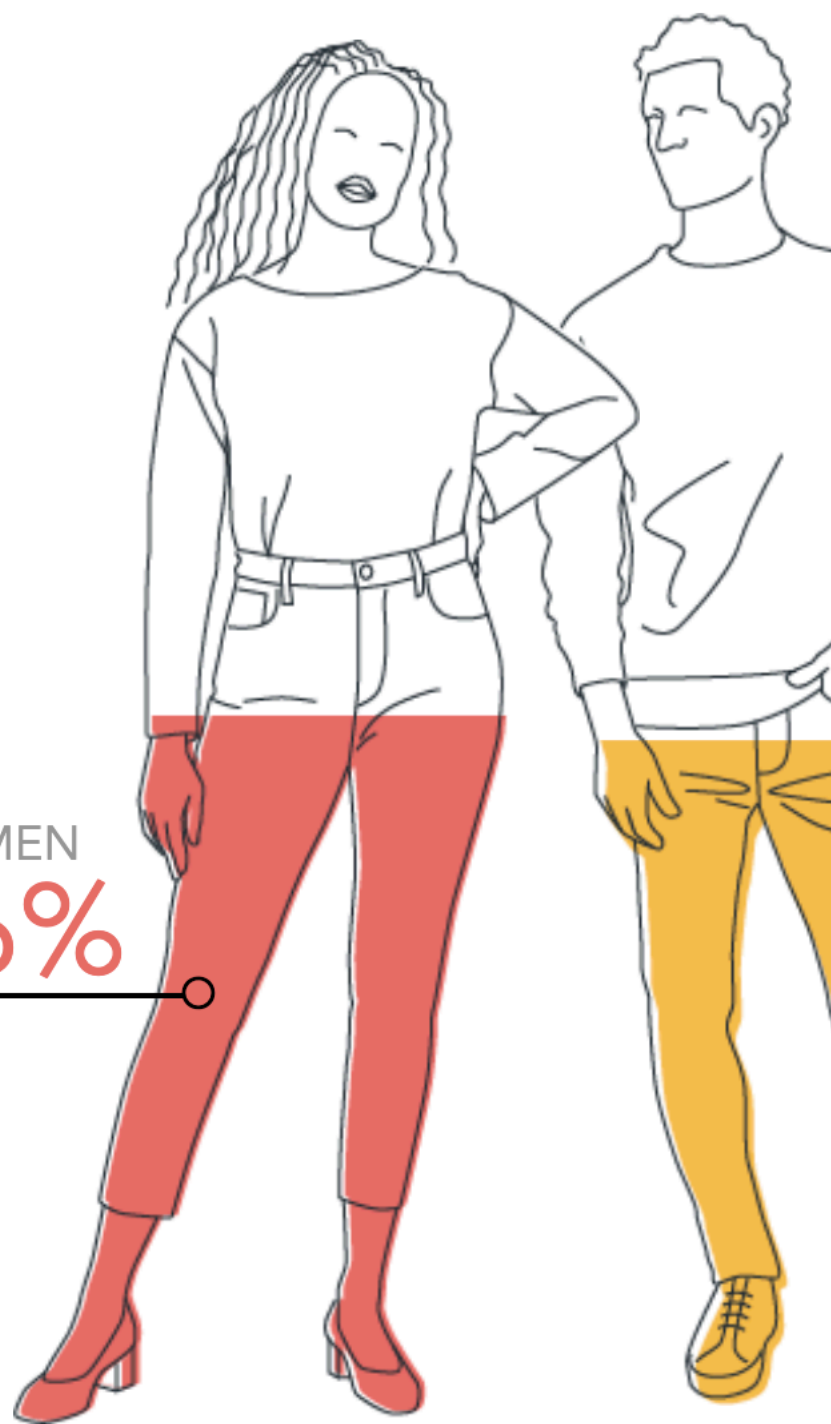


 With Feature Flags and Canary Deploys





WOMEN  
**56%**



REVENUE BY CATEGORY

### Conversion Ratio

1.03%

### Bounce Rate

49.4%

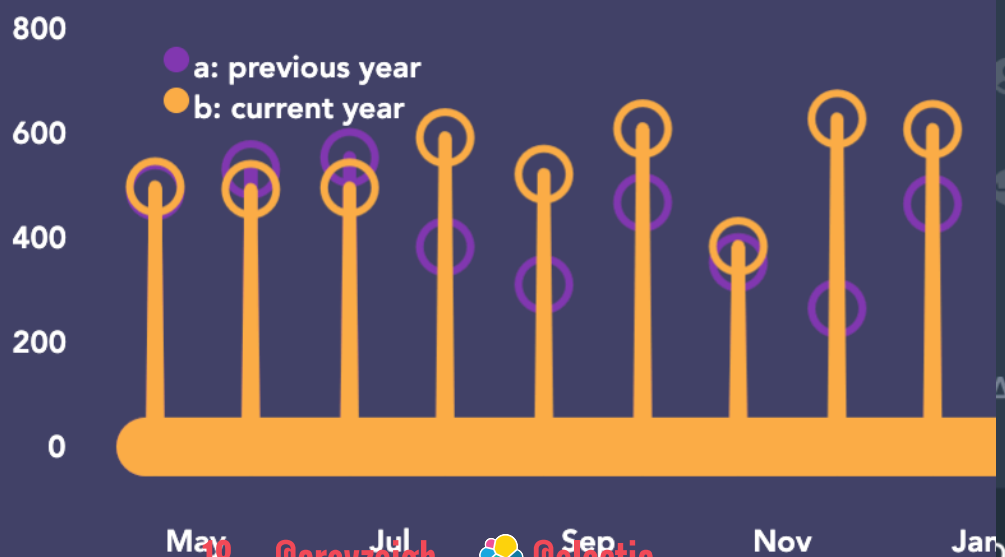
### Email Campaigns

24

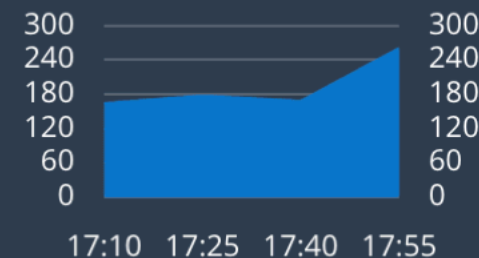
### Newsletter

53.8%

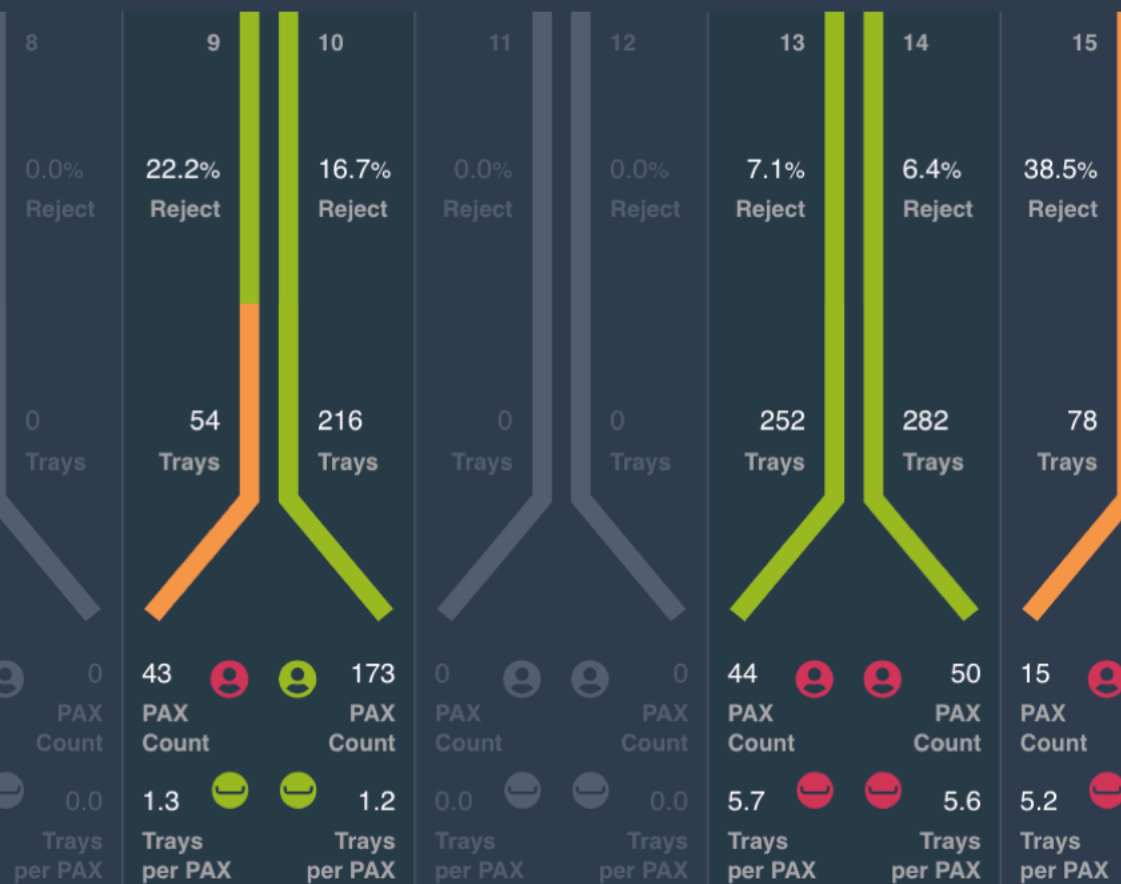
### Campaign Responses



### 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?**