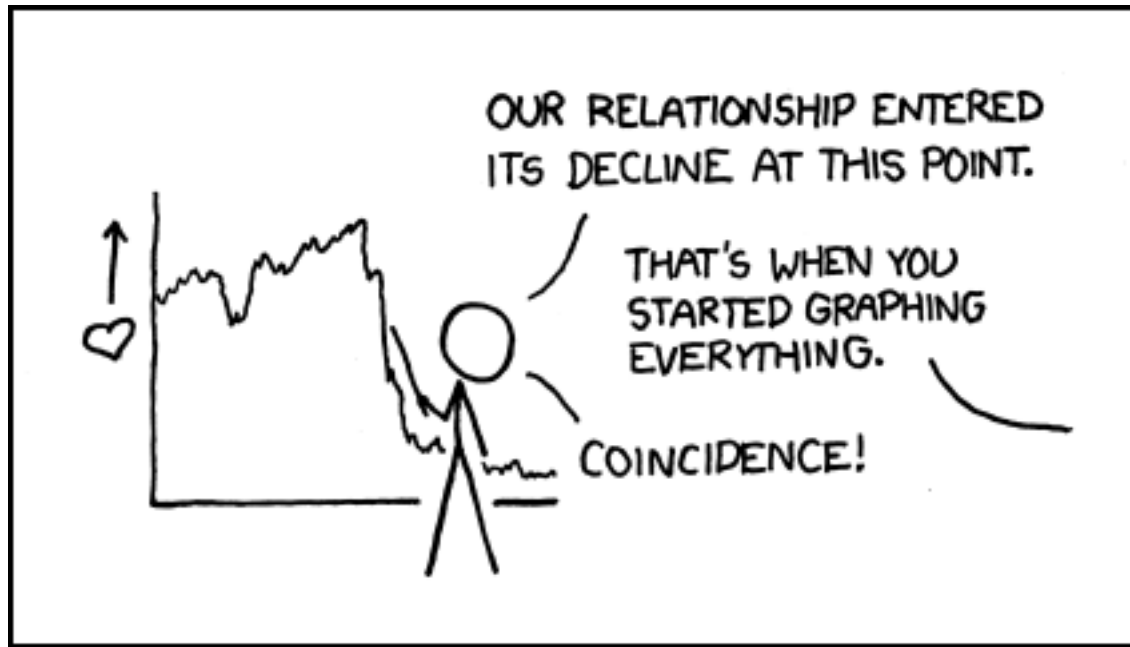


Automating Grafana Policies

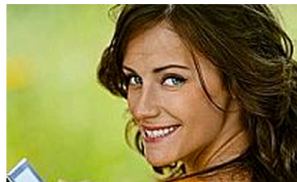


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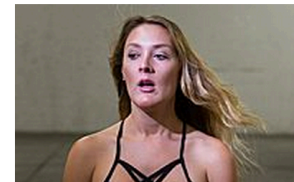
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Content Recommendation Platform
2.5 billion requests per day
560 million unique users monthly (ComScore)
We're Hiring!!!



Outbrain's Metrics Stack

Collectd, Graphite, Nagios, Inhouse Dashboarding UI:

Graphite: 10 million metrics/min (rf2)

ElasticSearch, Logstash, Kibana:

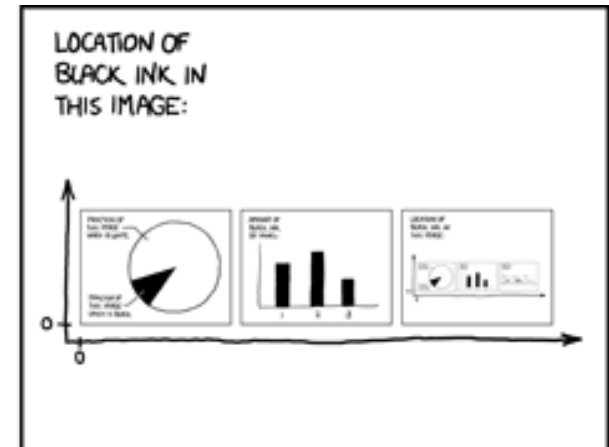
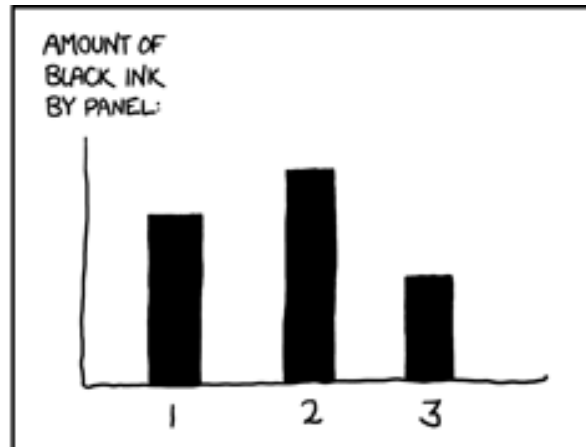
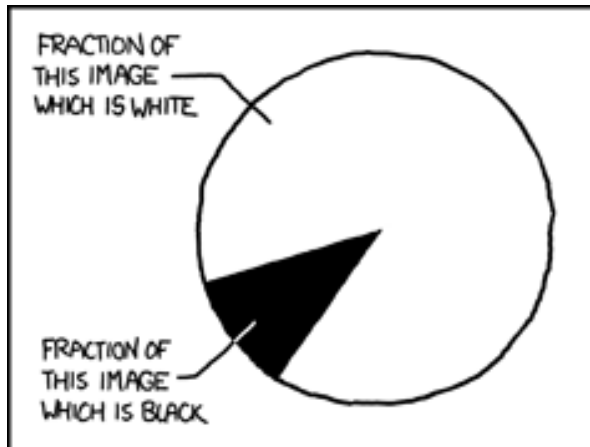
100,000 – 1 million log lines/min

Implementing Prometheus

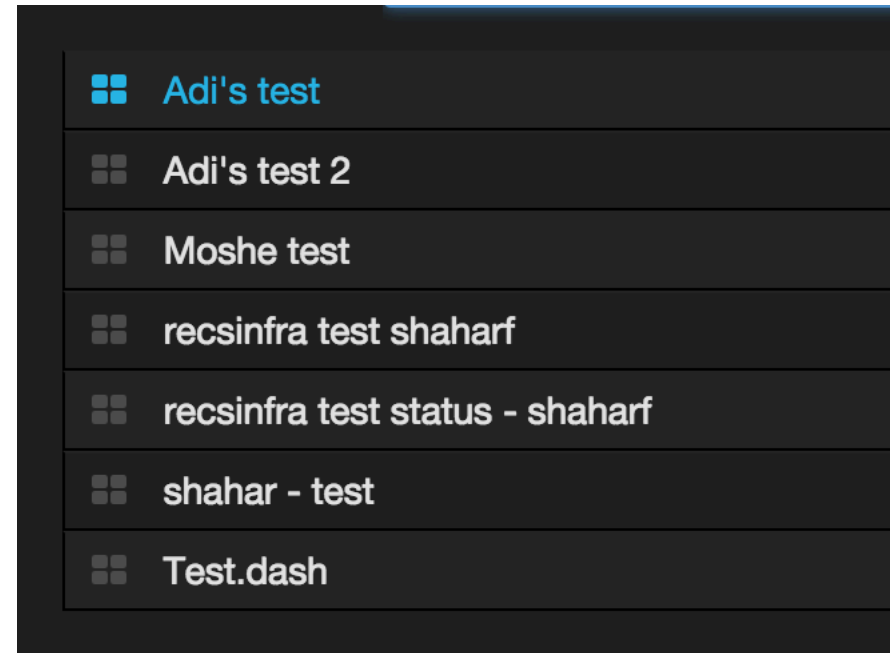
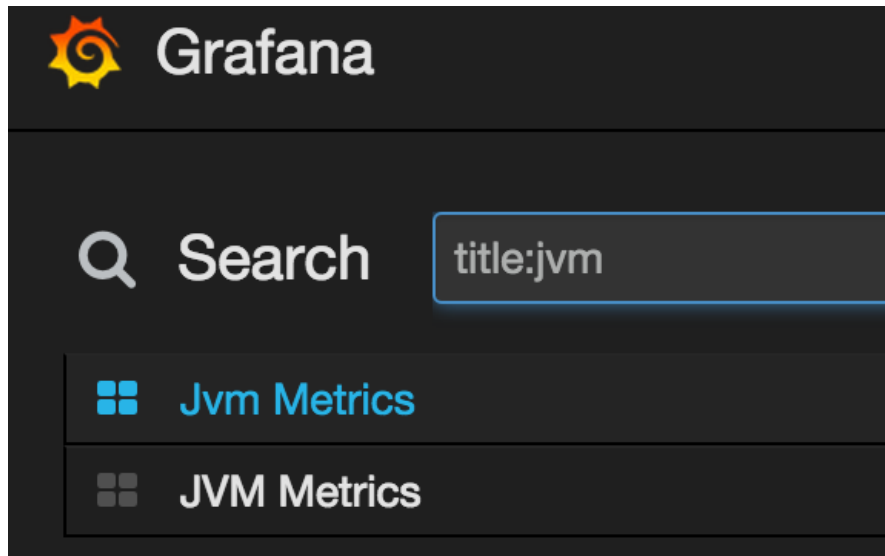
10 million metrics/min per collector

The Problems

Terrible Naming
Too Many Graphs
Insane Unusable Queries



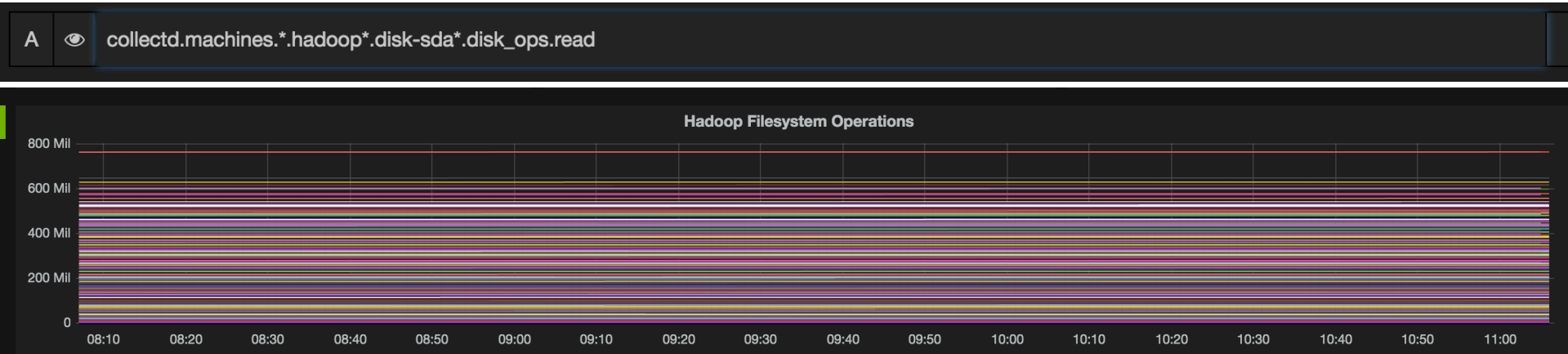
Terrible Naming



Too Many Graphs



Insane Unusable Queries



Hadoop Machines: ~2000
6 Filesystems per drive (5 drives)
60,000 lines!
Looking back for 12 hours
43,200,000 datapoints!

The Solution



API Functions

List Dashboards

`{url}/api/search`

Look at specific dash

`{url}/api/dashboards/db/{dbname}`

Send Command to dash

`Net::HTTP::*.new(uri.request_uri)`

Delete, Post, Put

Policy

Naming

If Not {Regex} match or Length <

Panels per Dashboard

if count “panel” >

Metrics Count

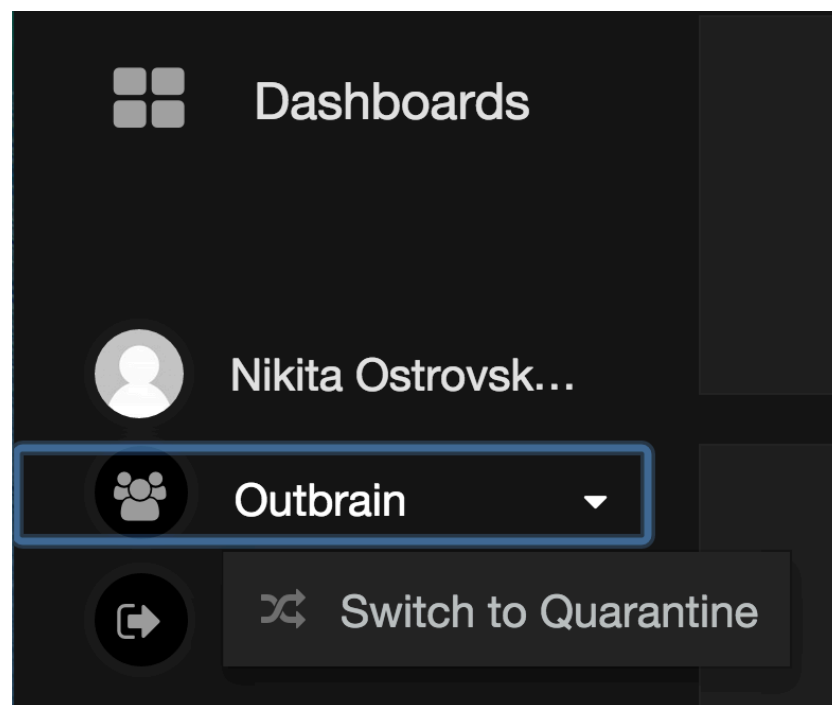
If graph, curl{graphite url&format=raw} and count >

Quarantine

Move to separate organization with no datasources

Send an email

Once fixed, next chef run brings it back
(Del and Recreate)



Questions?

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