



EVENT-DRIVEN-OPERATIONS WITH PROMETHEUS

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yes, we're running microservices in containers

yes, prometheus is taking care of metrics

yes, alertmanager is talking to pagerduty

yes, grafana is showing it all

the `/metrics` endpoint is mandatory!

(if you want to keep the SRE crew happy, and you always want that)

HOW IT WORKS

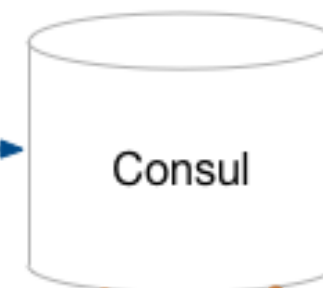
IT ALL COMES DOWN TO OWNERSHIP

```
Alert BucketTooFull_ORANGE
  IF (max(service_scs_ops_orange_bucket_gauge_max)) > 0
  LABELS {
    team="warehouse"
  }
  ANNOTATIONS {
    summary = "this is bad, probably",
    description = "do something",
  }
```

push, PR, merge

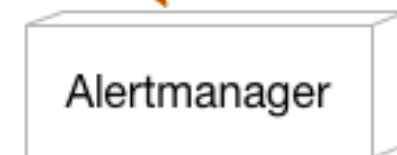
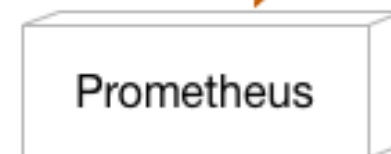


git2consul



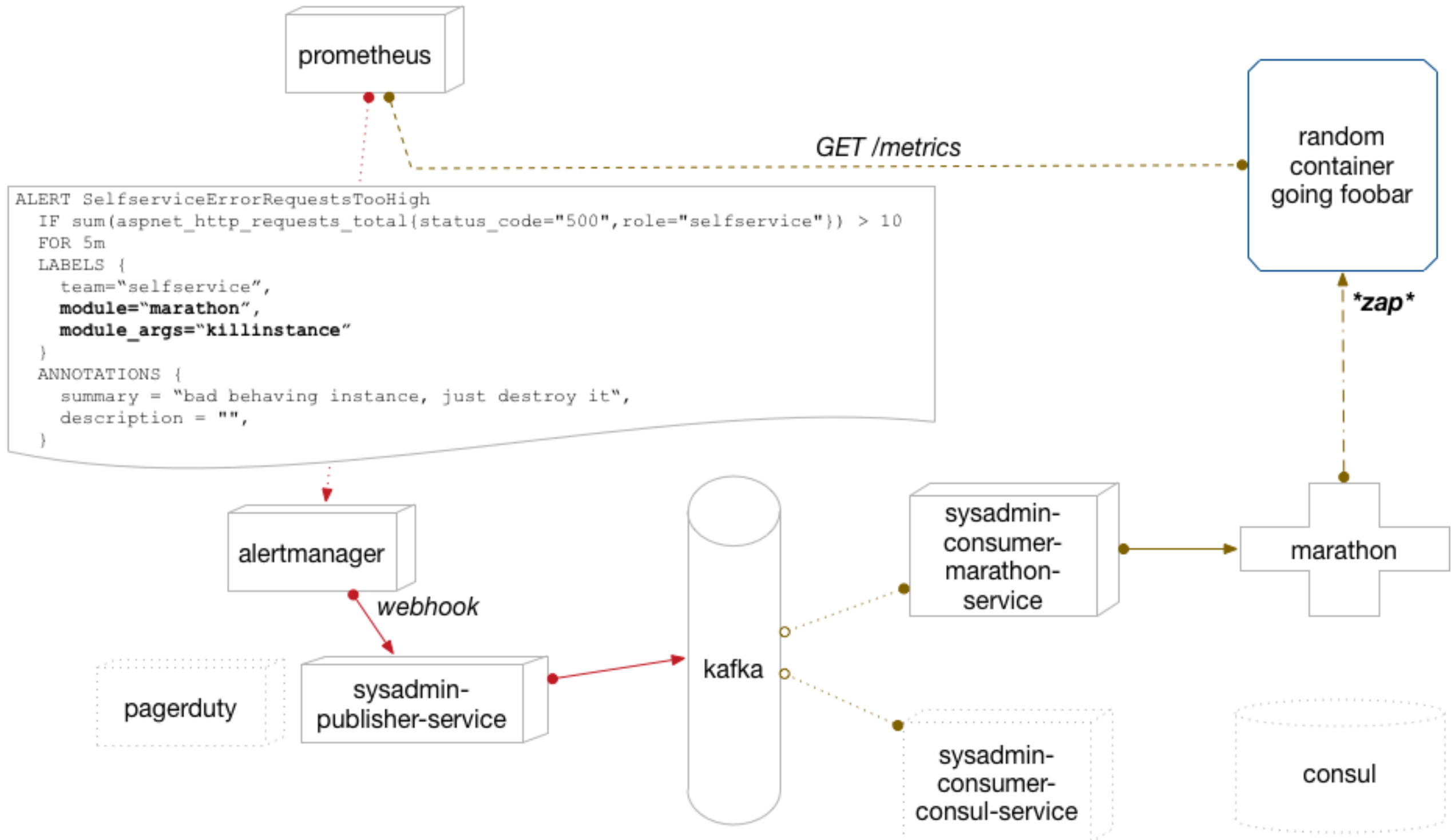
consul-template

consul-template



EVENT-DRIVEN

+1 FOR AUTOMATION





I want a thread-dump whenever this alerts triggers.

-some developer



I want DEBUG-level logging activated whenever this alert triggers.

-a random site reliability engineer



I want pizzas delivered when this alerts triggers.

It's probably gonna get late.

-an engineer

Regular prometheus alerts
(events) to trigger actions!

github.com/wehkamp

medium.com/wehkamp-techblog

AUTOMATING OPERATIONS GIVES YOU:

-
- it does not wake the SRE team to do silly actions
 - it reduces customer impact, no more waiting for the person on-call
 - regular prometheus alertmanager queries, no need to learn anything new
 - SRE means SLO/SLI/SLA, so you still need to go in and fix the issue!