

### Paranoid Observability

Success Stories and Misfortunes observing an Observability Stack

**Erik Sommer** 

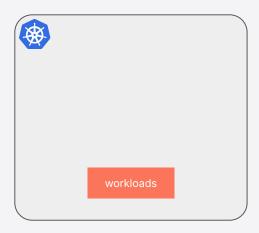
Sr. Software Engineer

#### What you can expect

How we use our own Tools for testing and our own observability

What we do to be safe doing this

This was the last bullet point of the presentation



### Just Kubernetes



```
<0> all
                                                                                          <6> default <a>
                                                                  <1> metamonitoring
K9s Rev:
K8s Rev:
                                                                  <4> mimir-prometheus
        44%
                                                                  <5> hosted-exporters
                                                                                                       <shift-j> Jump Own
        27%
                                                          Pods(kube-state-metrics)[7] —
NAME<sub>1</sub>
                    PF READY STATUS RESTARTS CPU MEM %CPU/R %CPU/L %MEM/R %MEM/L IP
                                                                                            NODE
                                                                                                                                      AGE
 kube-state-metrics-0 ● 1/1 Running
                                           0 87 184
                                                                                                                                     20h
                                                        28
                                                             n/a
                                                                     17 n/a
kube-state-metrics-1 ● 1/1 Running
                                           0 64 148
                                                        21
                                                             n/a
                                                                     14
                                                                          n/a
                                                                                                                                      14h
kube-state-metrics-2 ● 1/1 Running
                                           0 92 147
kube-state-metrics-3 ● 1/1 Running
                                           0 76 152
kube-state-metrics-4 ● 1/1 Running
                                           0 72 156
kube-state-metrics-5 • 1/1 Running
                                           0 64 155
                                                                                                                                      5h44m
kube-state-metrics-6 • 1/1 Running
                                           0 80 155
 <pod>
```



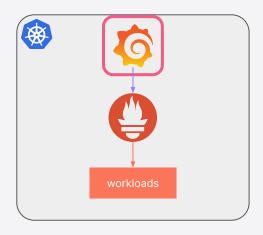


# We need to see something





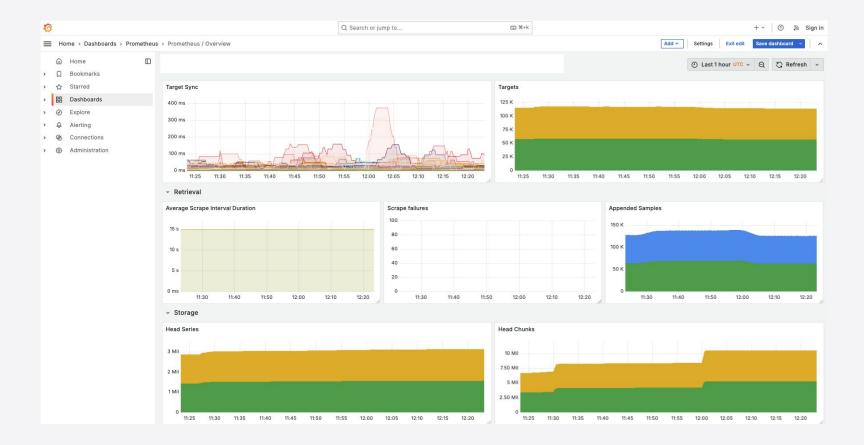




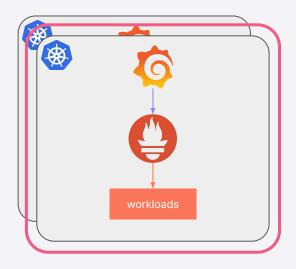
## A dashboard would be nice







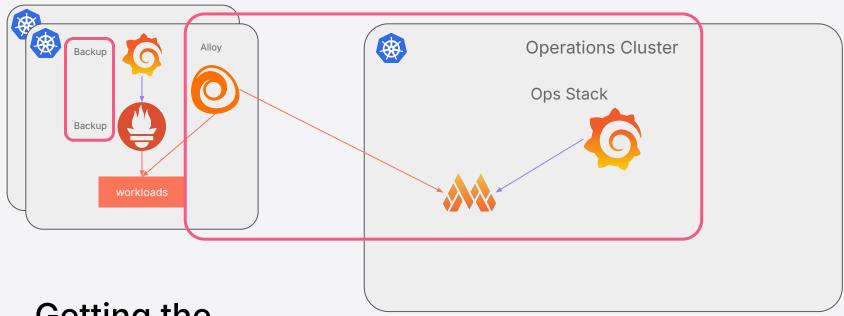




### **Going Global**





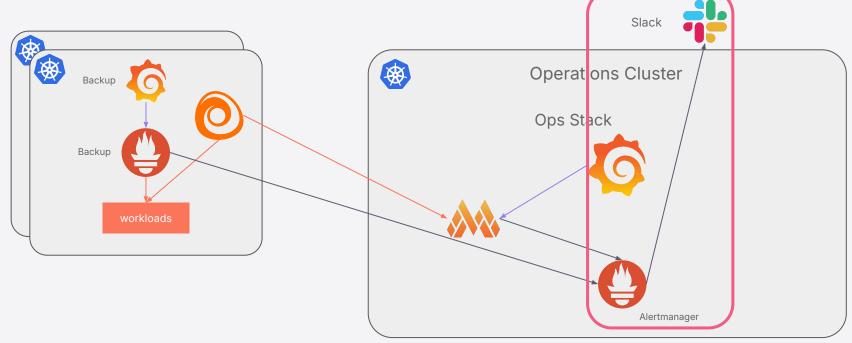


Getting the global picture







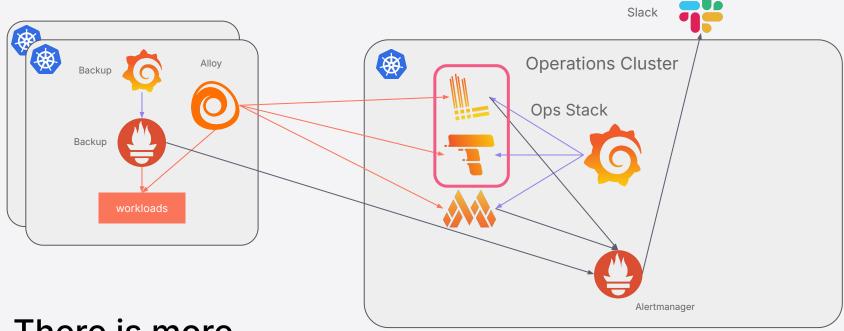


Time for alerts



→ Query Metrics



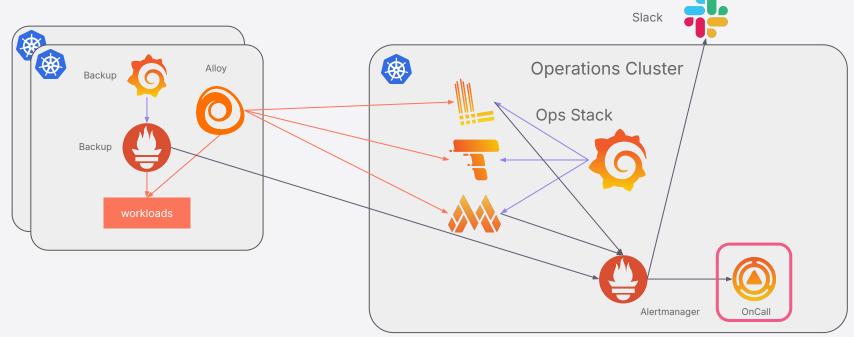


There is more than metrics

→ Scrape and Write Metrics

→ Query Metrics



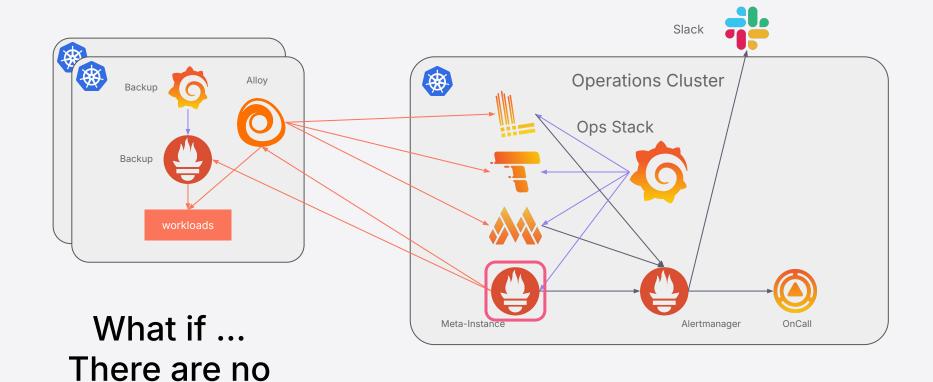


Wakeup!

→ Scrape and Write Metrics

→ Query Metrics



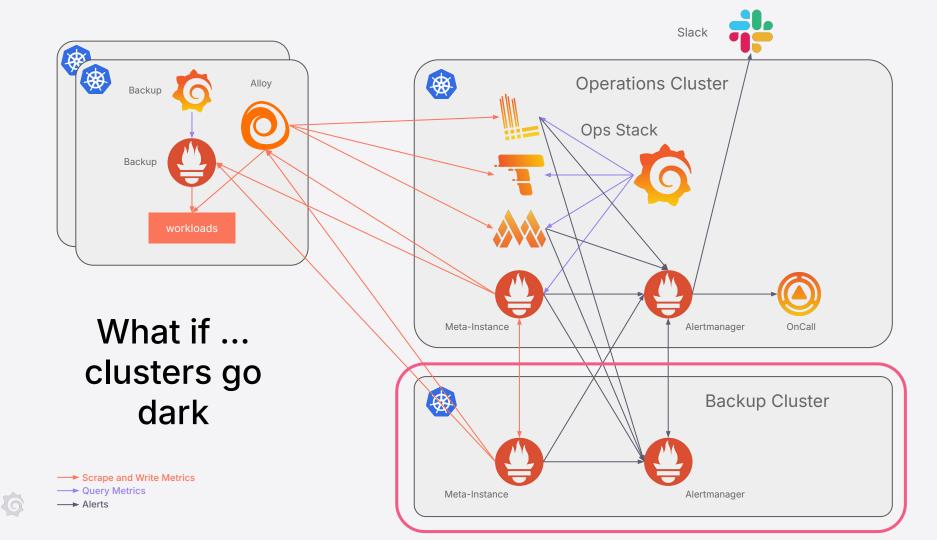


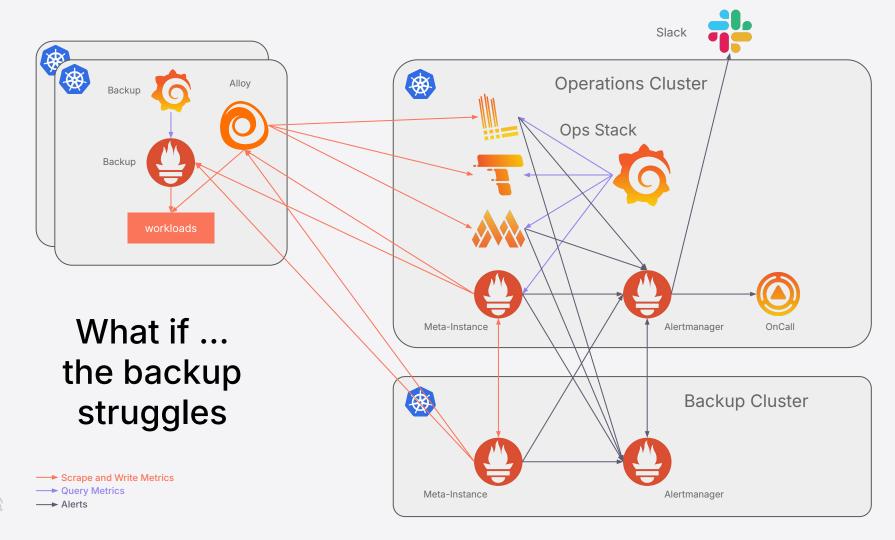
→ Scrape and Write Metrics

scrapes

→ Query Metrics



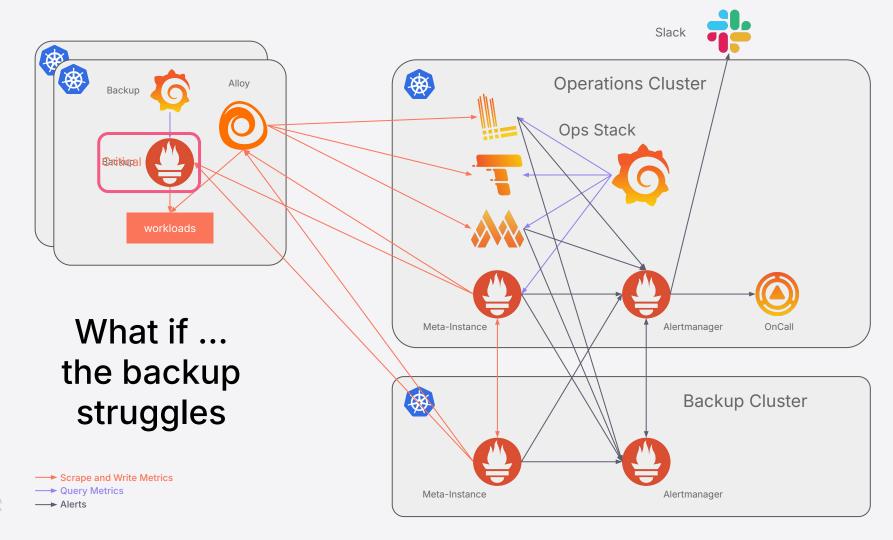




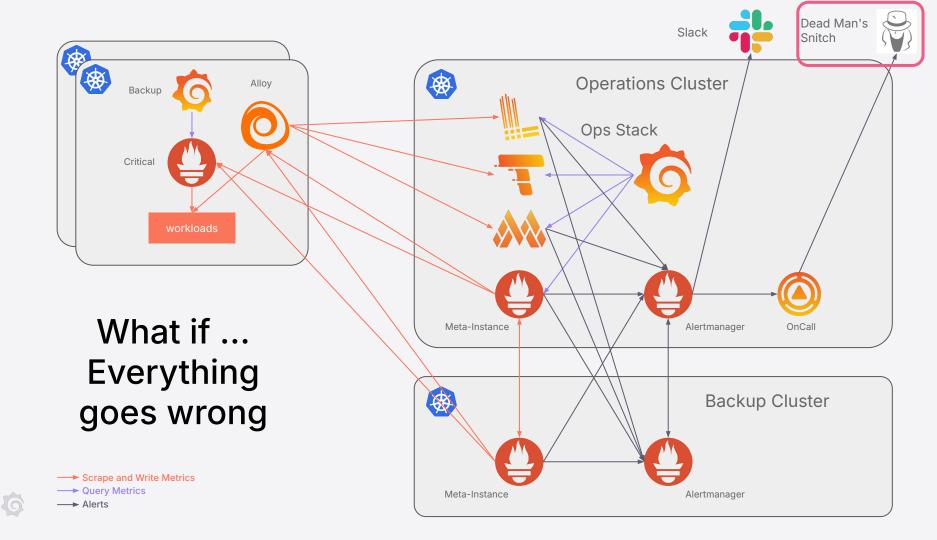


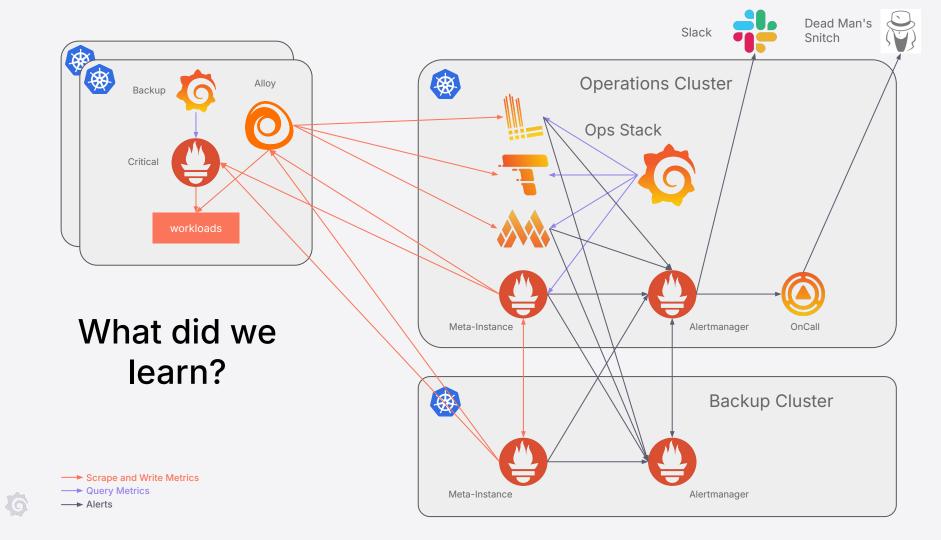














## Thank you

Slides: https://github.com/the-it/talks



