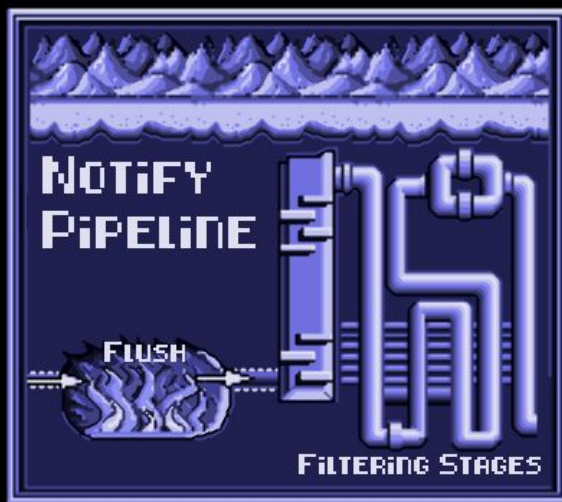


Life of an Alert

PromCon 2018 – 2018-08-09
Stuart Nelson

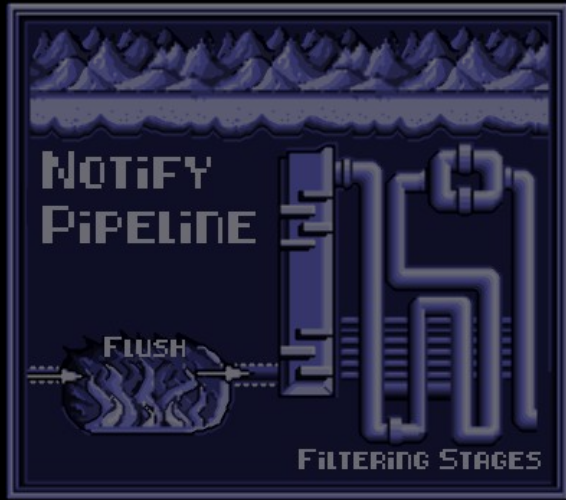


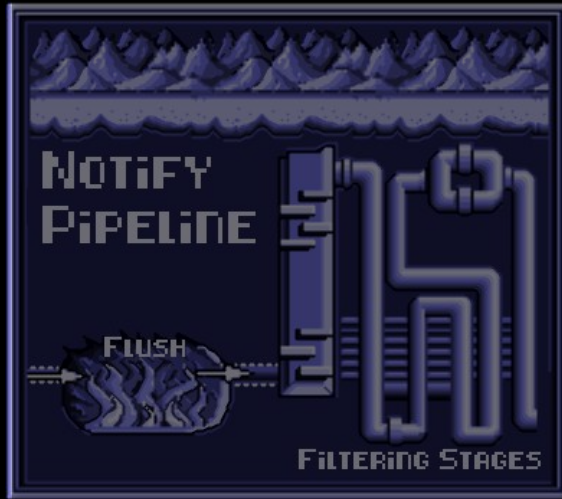
Why does the
Alertmanager exist?



But ...

What's actually happening?





Match Route

- Why do we match routes?
- `match`: Direct label match
- `match_re`: Regex label match
- Alerts are routed to most specific match
- Route visualizer helps!

```
route:  
  group_by: ['alertname', 'system']  
  group_wait: 20s  
  group_interval: 30m  
  repeat_interval: 3h  
  receiver: 'default'  
  routes:  
    - receiver: 'mysql-general'  
      match:  
        system: 'mysql'  
      routes:  
        - receiver: 'mysql-auth'  
          match_re:  
            cluster: 'user|api'  
    - receiver: 'kafka-general'  
      match_re:  
        system: 'kafka'
```



<https://prometheus.io/webtools/alerting/routing-tree-editor/>


```
routes:
```

- receiver: 'mysql-general'
 match:
 system: 'mysql'
 routes:
 - receiver: 'mysql-auth'
 match_re:
 cluster: 'user|api'
- receiver: 'kafka-general'
 match:
 system: 'kafka'

```
{  
  system="mysql",  
  region="us-east-1",  
  zone="ab",  
  cluster="user"  
}
```



Add to Group

- Why do we group?
- `group_wait`: bundle alerts for first notification
- `group_interval`: send notification for new or resolved alerts
- `repeat_interval`: remind users that alerts are still firing

```
route:  
  group_by: ['alertname', 'system', 'dc']  
  group_wait: 20s  
  group_interval: 30m  
  repeat_interval: 3h  
  receiver: 'default'
```





Inhibition

- Why do we inhibit?
- What should you inhibit?

```
inhibit_rules:  
  - source_match:  
      alertname: 'TORRouterDown'  
    target_match_re:  
      alertname: '.*Unreachable'  
    equal: ['dc', 'rack']
```



Inhibiting Alert:

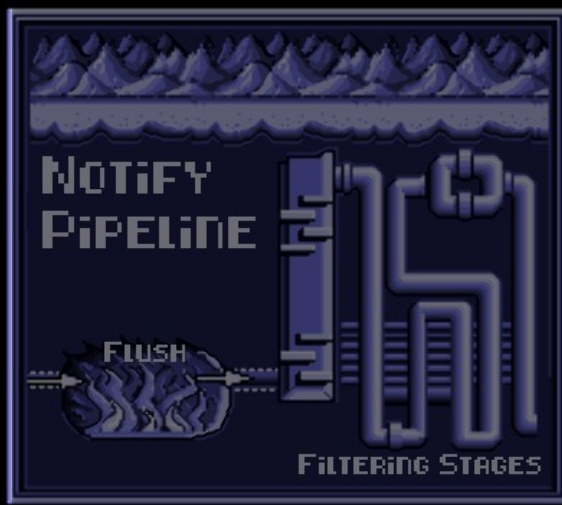
```
{ alertname="TorRouterDown", dc="MUC", rack="a01", team="networking" }
```

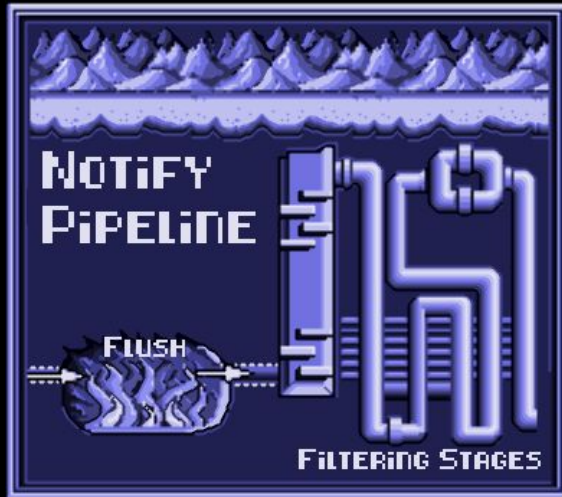
```
inhibit_rules:  
  - source_match:  
      alertname: 'TORRouterDown'  
    target_match_re:  
      alertname: '.*Unreachable'  
    equal: ['dc', 'rack']
```

Inhibited Alert:

```
{ alertname="MysqlUnreachable", dc="MUC", rack="a01", team="backend" }
```









(end)