A little story

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A year ago

What's missing in Monitoring Kubernetes with Prometheus

kubectl

Eg. cluster state

So we researched...

Enter kube-state-metrics

How does it work?

```
apiVersion: apps/v1beta1

kind: Deployment

metadata:

    name: app1

spec:

    replicas: 3

status:

    replicas: 2
```

kube_deployment_spec_replicas 3

kube_deployment_status_replicas 2

kubernetes/kube-state-metrics

By Sam Ghods

Untouched for half a year

We picked up maintainership

And interest grew rapidly

Fast forward 1 year

+ 250 Commits

+ 77 Metrics

~40 contributors

Cool, but why talk
about it?

Things were getting serious

…

Google Cloud got interested

Consistency, stability, load test

Load tests:

1Gb memory

0.3 cores CPU

1000 nodes

kube-state-metrics v1.0

Try it! :)

github.com/kubernetes/kube-state-metrics