

SLO libsonnet

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SLOs

Service Level Objectives

SLIS

Service Level Indicators

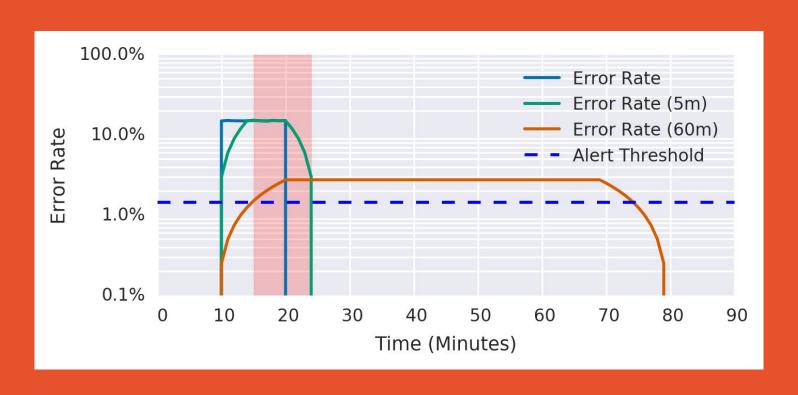
SLIS

rate(http_requests_total{code=~"5.."}[5m])

SLOs

rate(http_requests_total{code=~"5.."}[5m]) > 0.01

Multi-Burn-Rate Alerts



```
alert: ErrorBudgetBurn
expr:
    (
        status_class_5xx:http_requests_total:ratio_rate1h{job="prometheus"} > (14.4*0.001000)
    and
        status_class_5xx:http_requests_total:ratio_rate5m{job="prometheus"} > (14.4*0.001000)
    )
or
    (
        status_class_5xx:http_requests_total:ratio_rate6h{job="prometheus"} > (6*0.001000)
    and
        status_class_5xx:http_requests_total:ratio_rate30m{job="prometheus"} > (6*0.001000)
    )
```

| <pre>sum(status_class:http_requests_total:rate5m{job="prometheus"})</pre> | |
|---|--|
| | |
| | |

sum(status_class:http_requests_total:rate5m{job="prometheus",status_class="5xx"})

record: status_class_5xx:http_requests_total:ratio_rate5m

expr:

record: status_class:http_requests_total:rate5m

rate(http_requests_total{job="prometheus"}[5m]
), "status_class", "\${1}xx", "code", "([0-9])..")

sum by (status_class) (

label_replace(

expr:

Jsonnet

SLO-libsonnet

github.com/metalmatze/slo-libsonnet

```
local slo = import '../slo-libsonnet/slo.libsonnet';

{
   local errorburnrate = slo.errorburn({
      metric: http_requests_total,
      selectors: ['job="prometheus"'],

      errorBudget: 1-0.99,
   }),

   rules:
```

errorburnrate.recordingrules +

errorburnrate.alerts,

Demo

```
HTML 43.4%
```

Dart (no JS) 23.0%

Go 21.3%

Jsonnet 7.1%

Demo

ldeas

Feedback!

...and help:D

Thanks

to Björn Rabenstein & Aditya Konarde



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github.com/metalmatze/slo-libsonnet github.com/metalmatze/slo-libsonnet-web