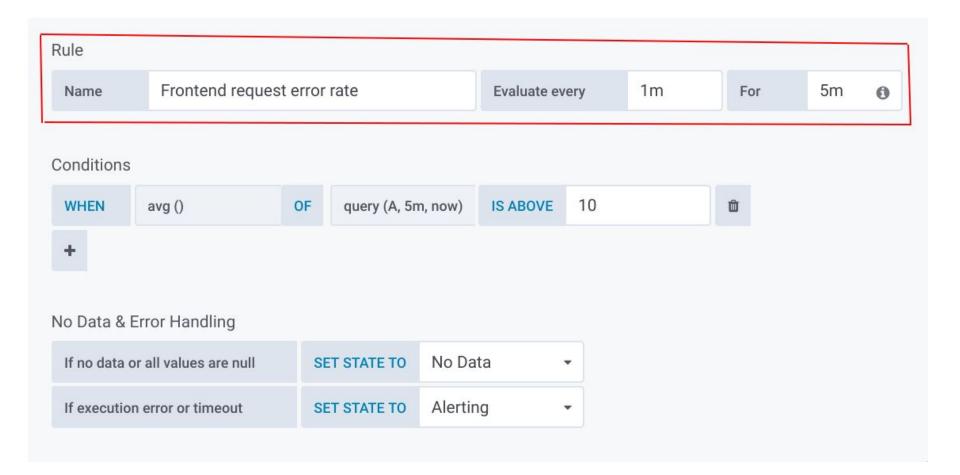


Alert





Name Frontend request error rate

Evaluate every

1m

For

5m

0

Conditions

WHEN

avg () OF

query (A, 5m, now)

IS ABOVE

10



+

No Data & Error Handling

If no data or all values are null

SET STATE TO No Data

If execution error or timeout

SET STATE TO Alerting

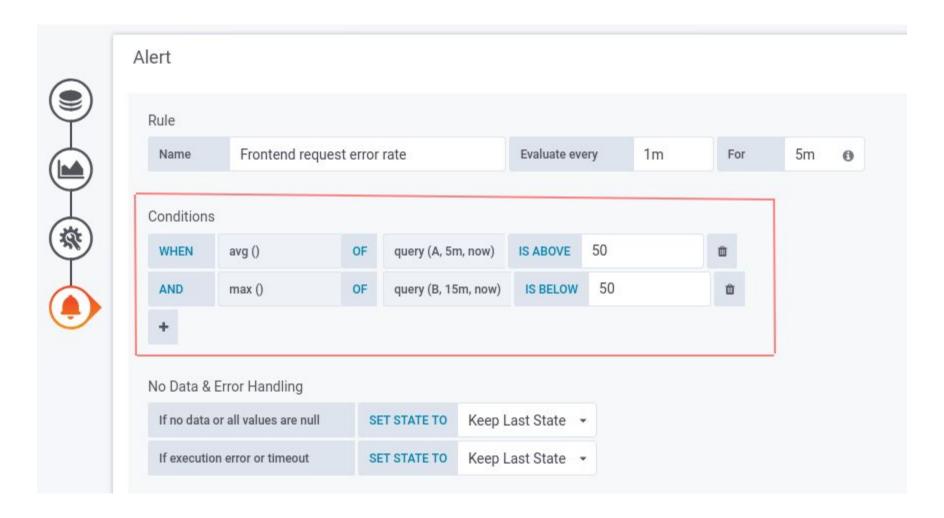
ts1: [3, 3, 3, 3, 3] => avg() => 3

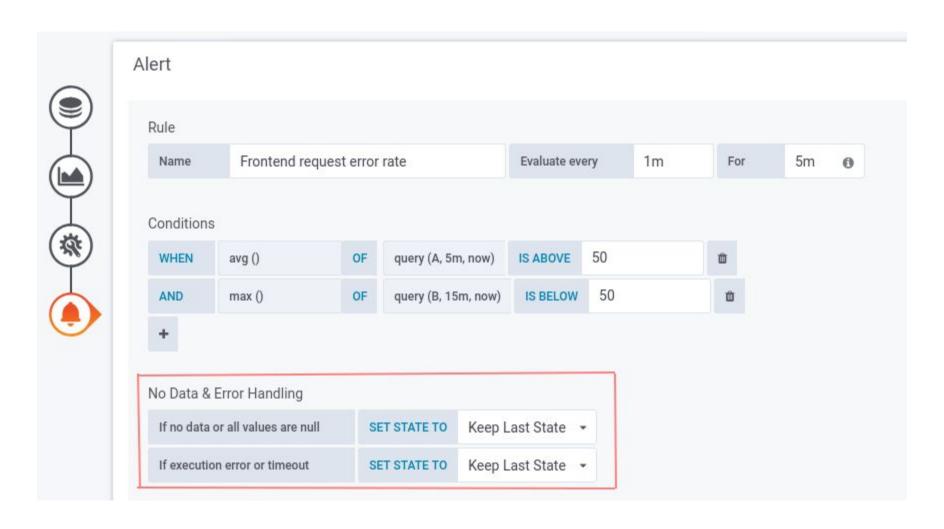
ts2: [2, 10, 5, 8, 4] => avg() => 5, 8

ts1: 3 > 4

ts2: 5,8 > 4







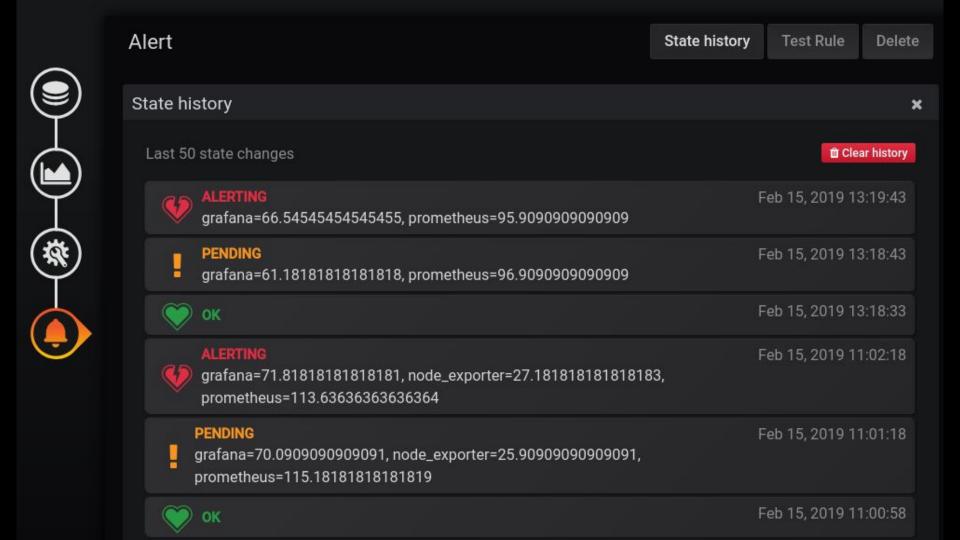
Alert debouncing using `FOR`



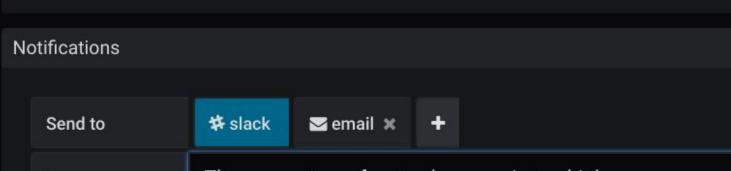
Test Rule

×

```
v Object
 firing: true
 state: "pending"
 conditionEvals: "true = true"
 timeMs: "1.067ms"
 matches: Array[2]
   v0: Object
     metric: "go goroutines{instance="127.0.0.1:3000", job="grafana"}"
     value: 62.76190476190476
   v1: Object
     metric: "go goroutines{instance="localhost:9090", job="prometheus"}"
     value: 103
 vlogs: Array[4]
   v0: Object
     message: "Condition[0]: Query Result"
     ►data: Array[3]
   v1: Object
     message: "Condition[0]: Eval: true, Metric: go goroutines{instance="127.0.0.1:3000", job="grafana"}, Value: 62.762"
     data: null
   v2: Object
     message: "Condition[0]: Eval: false, Metric: go goroutines{instance="127.0.0.1:9100", job="node exporter"}, Value: 6.429"
     data: null
   v3: Object
     message: "Condition[0]: Eval: true, Metric: go goroutines{instance="localhost:9090", job="prometheus"}, Value: 103.000"
     data: null
```



Alert

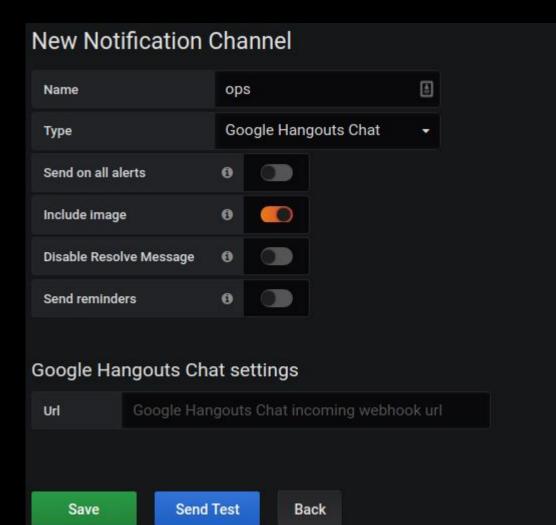


Message The error rate on frontend servers is too high.
Playbook: http://github.com/grafana/grafana/playbook/http_errors.md

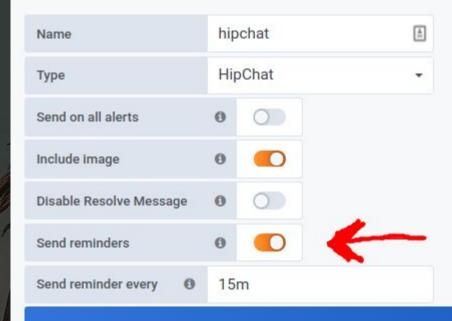
Alert notifications

- Slack
- Email
- Pagerduty
- Webhook
- VictorOps
- Telegram
- Prometheus Alertmanager

And 11 more



Edit Notification Channel



Alert reminders are sent after rules are evaluated. Therefore a reminder can never be sent more frequently than a configured alert rule evaluation interval.



Grafana alerting weakness.

- Visualization queries are not the same as alert queries.
- Hard to collaborate on alert rules
- No Silencing
- No Alert Notification routing
- No load distribution







apiVersion: 1

datasources:

- name: Graphite

type: graphite

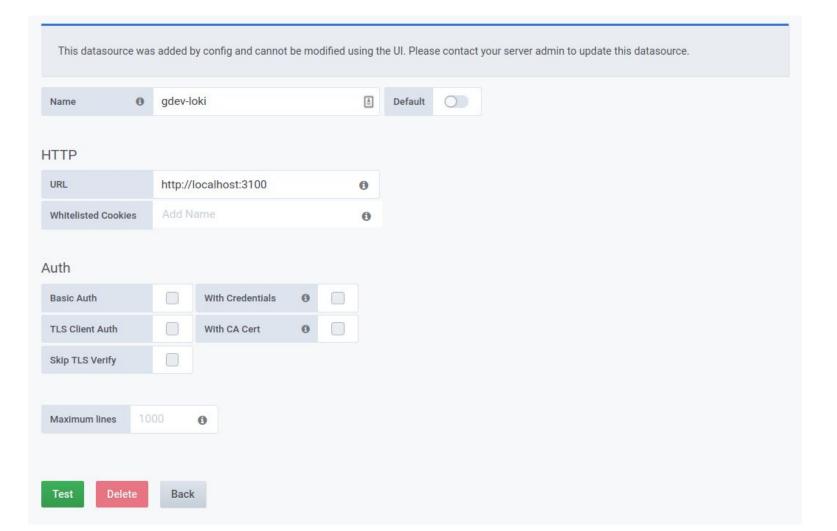
access: proxy

url: http://localhost:8080

jsonData:

graphiteVersion: "1.1"







apiVersion: 1

providers:

- name: default

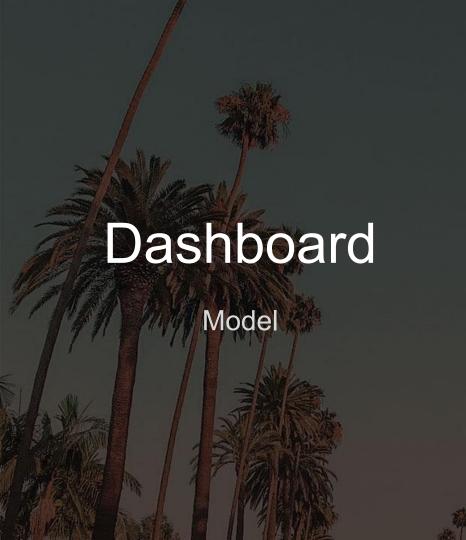
folder: 'Great dashboards'

type: file

options:

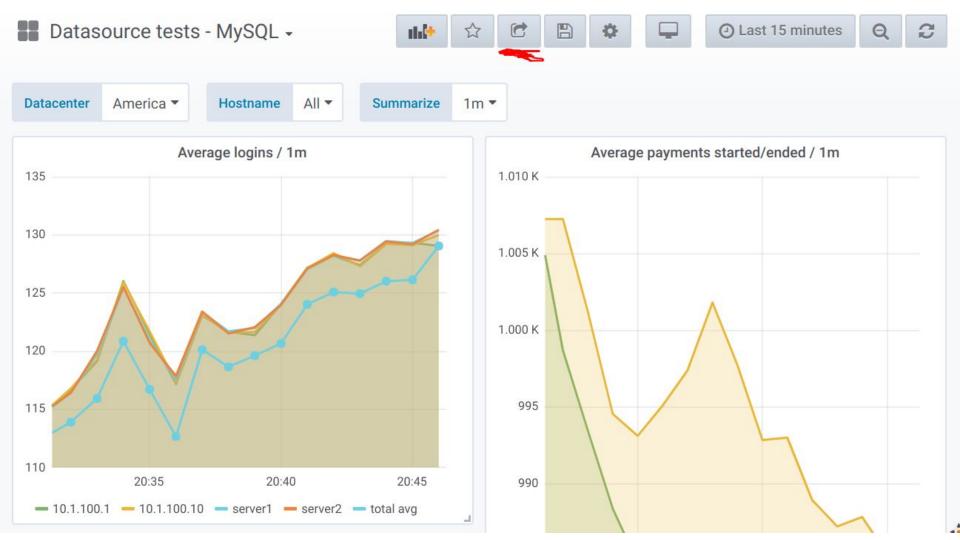
path: /var/lib/grafana/dashboards

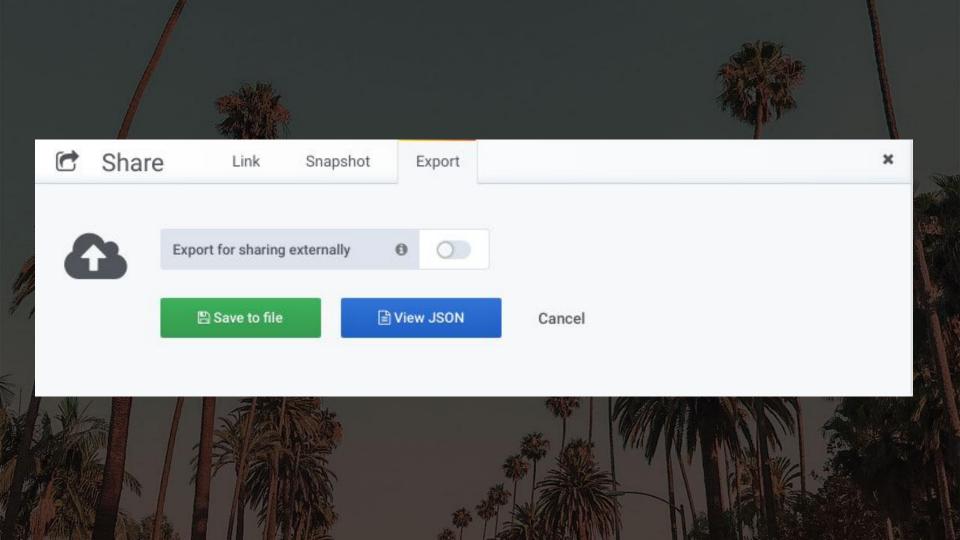




```
{
  "title": "Grafana",
  "uid": "igtbvoldfnjhtgybn",
  "panels": [
     {
      "type": "graph"
     }
]
```





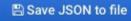


Cannot save provisioned dashboard

This dashboard cannot be saved from Grafana's UI since it has been provisioned from another source. Copy the JSON or save it to a file below. Then you can update your dashboard in corresponding provisioning source.

See documentation for more information about provisioning.

```
"annotations": {
  "list": [
      "builtIn": 1,
      "datasource": "-- Grafana --",
      "enable": true,
      "hide": true,
      "iconColor": "rgba(0, 211, 255, 1)",
      "name": "Annotations & Alerts",
      "type": "dashboard"
      "datasource": "-- Grafana --",
      "enable": true.
      "hide" . falce
```





apiVersion: 1

notifiers:

- name: default-slack-temp

type: slack

is default: true

uid: notifier1

settings:

recipient: "XXX"

token: "xoxb"

uploadImage: true

url: https://slack.com





```
"alert": {
    "notifications": [
        {
            "uid": "notifier1"
        }
     ]
}
```





Default roles

- Viewer
- Editors
- Admins
- Grafana Admins



















Name Email Members



devs



ops

0

0



New team

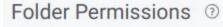




B Dashboards

Permissions





Admin (Role)

Editor (Role)

_

Viewer (Role)

Add Permission

Can

Can

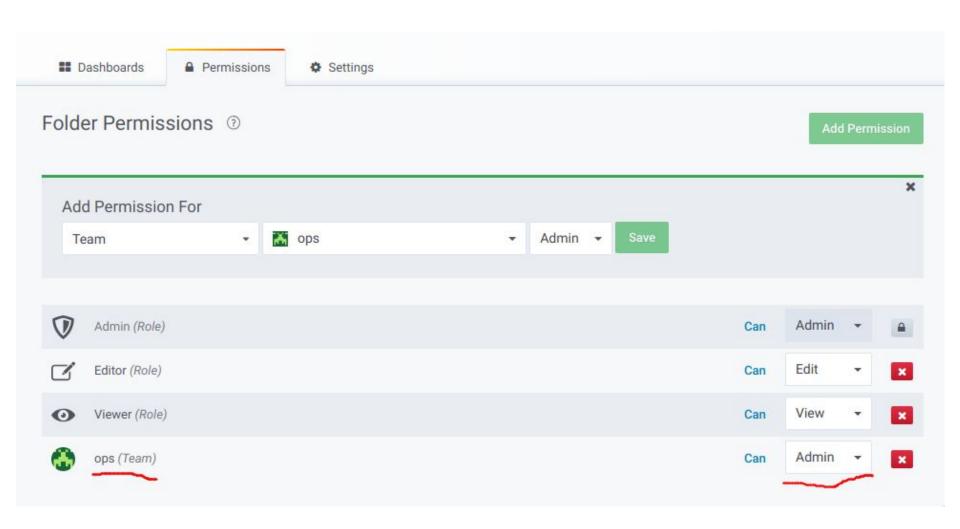
Can

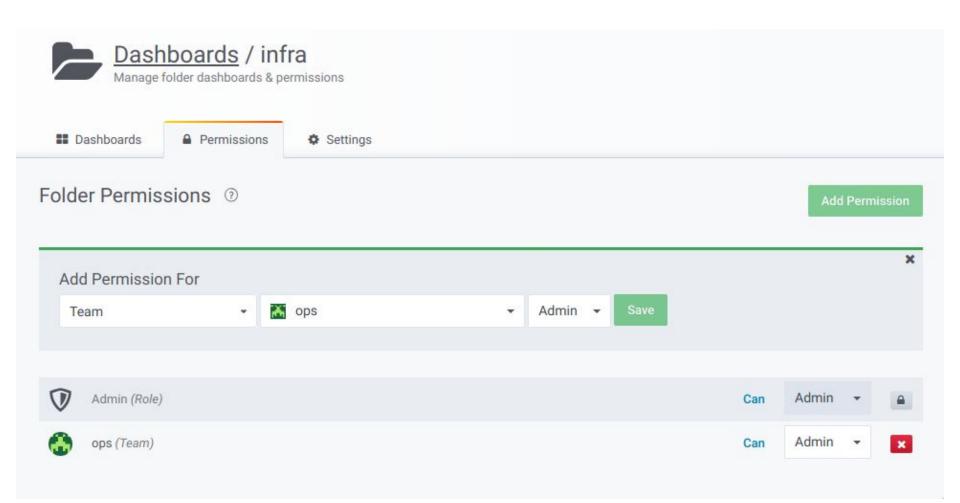
Edit ▼

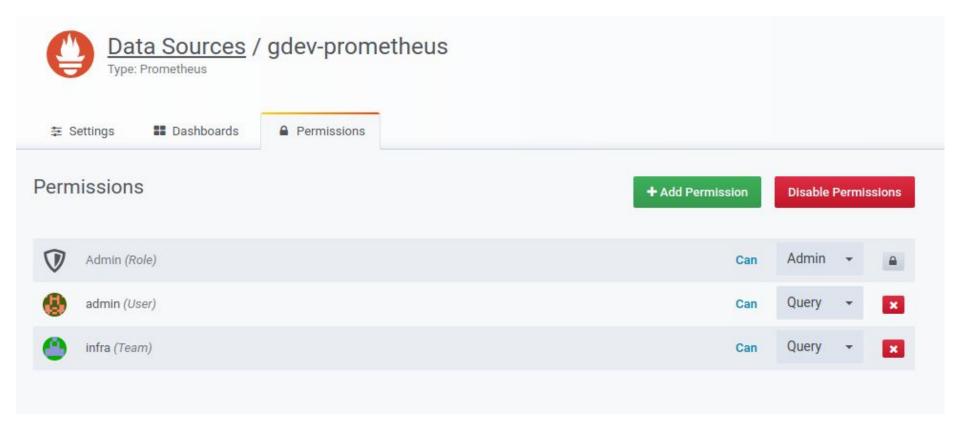
Admin

View

*

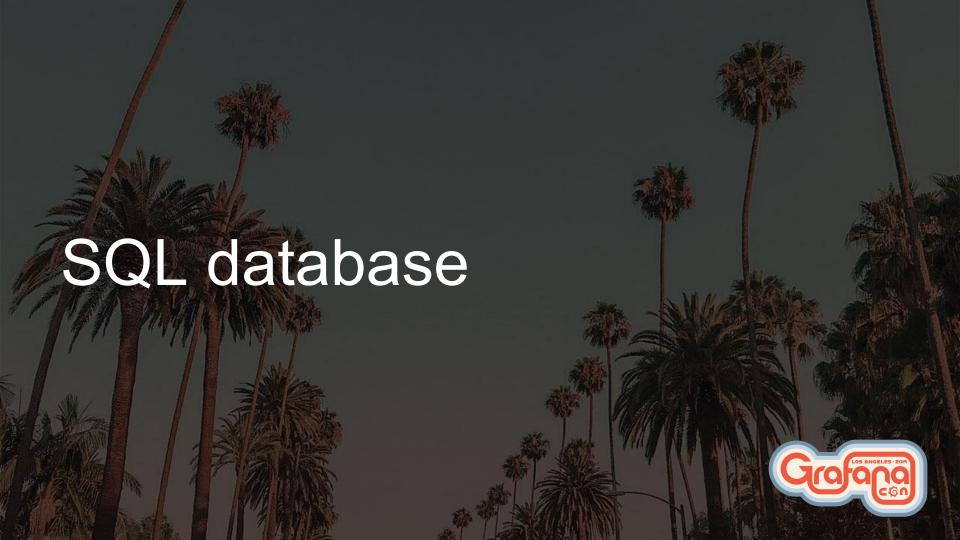






Available in Grafana Enterprise



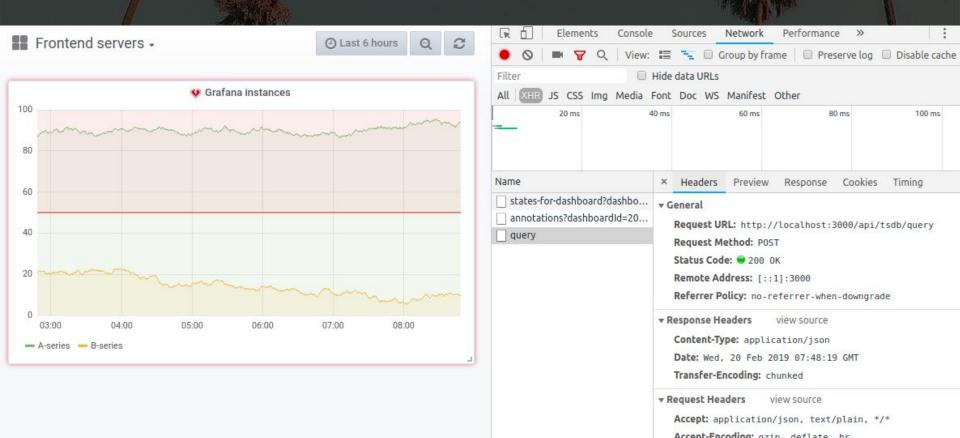




Pick your own secret key

```
[security]
  # default admin user, created on startup
  admin user = admin
  # default admin password, can be changed before first start of grafana
  admin password = admin
  # used for signing
  secret key = SW2YcwTIb9zp00hoPsMm
http://docs.grafana.org/installation/configuration/#secret-key
```

Viewers can send any query.



Collect metrics from Grafana

```
# Metrics available at HTTP API Url /metrics
[metrics]
enabled = true
interval seconds = 10
#If both are set, basic auth will be required for the metrics endpoint.
basic auth username =
basic auth password =
# Send internal Grafana metrics to graphite
[metrics.graphite]
# Enable by setting the address setting (ex localhost:2003)
address =
prefix = prod.grafana.%(instance name)s.
```

Running public grafana

Gitlab https://dashboards.gitlab.com

Wikimedia https://grafana.wikimedia.org







