



# Grafana master class

@CarlBergquist





2800



Stats



Zoom Out

Last 30 days

Refresh every 30m



Running Instances (last 24h)

Last 24 hours

36711

Running Instances (1 day ago)

Last 24 hours

N/A

Running Instances (last week)

Last 24 hours

N/A

ROW

Created Snapshots (last 24h)

Last 24 hours

60679

Viewed snapshots

Last 24 hours

334

Total dashboards (last 24h)

Last 24 hours

1196638

Viewed dashboards (last 24h)

Last 24 hours

1690005

Total Orgs (last 24h)

Last 24 hours

53900

Total Users (last 24h)

Last 24 hours

356066

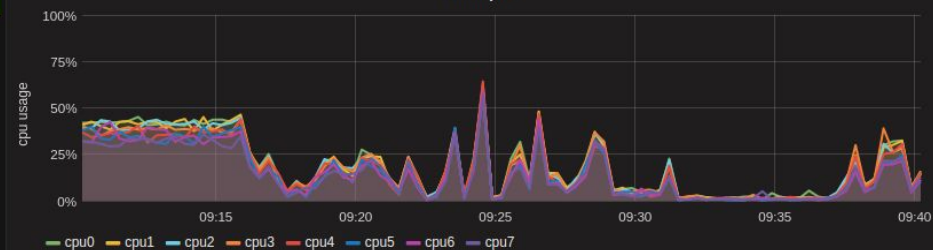


server: 172.17.0.1:9100

Prometheus

high cpu

Idle cpu



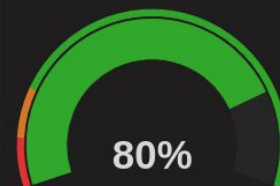
System load



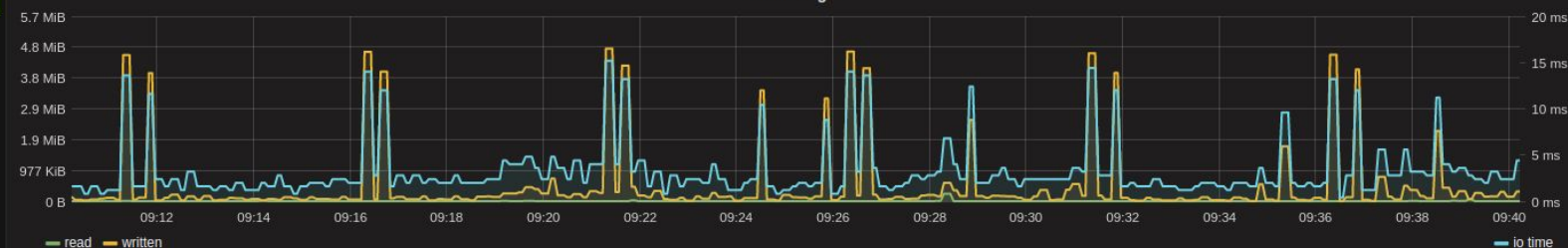
Free memory



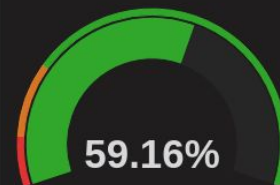
Free memory



Disk usage



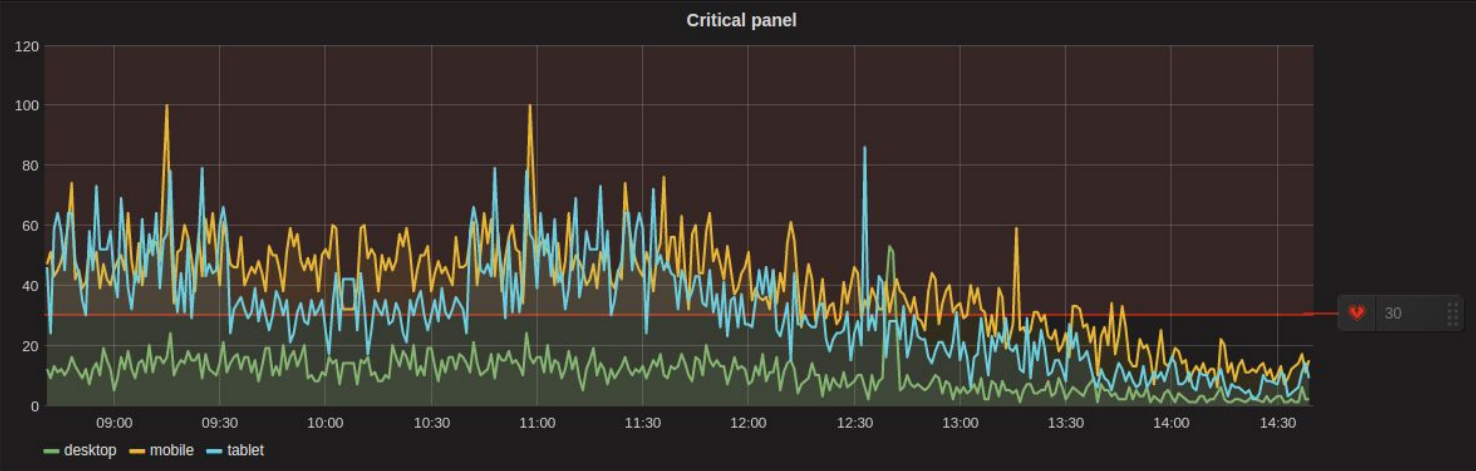
Free disk space



DEMO!

# Alerting





## Graph

General

Metrics

Axes

Legend

Display

Alert

Time range

×

### Alert Config

Notifications (0)

Alert History

Delete

### Alert Config

|                |                      |          |          |
|----------------|----------------------|----------|----------|
| Name           | Critical alert panel |          |          |
| Evaluate every | 60s                  | Severity | Critical |

### Conditions

|      |                    |         |        |          |    |    |
|------|--------------------|---------|--------|----------|----|----|
| WHEN | query (A, 5m, now) | Reducer | sum () | IS ABOVE | 30 | 🗑️ |
|------|--------------------|---------|--------|----------|----|----|

+

Test Rule

Grafana.net

## Plugins.

### Plugin Type:

- ☒ All
- ☐ Panels
- ☐ Data source
- ☐ Apps



APPLICATION



### worldPing

by Raintank

worldPing is a plug-in for Grafana that continually tests, stores and alerts on the global...

APPLICATION



### Snap

by Raintank

Snap Data Source and API UI

APPLICATION



### Example

by Grafana Project

Example app for Grafana

APPLICATION



### Kentik Connect Pro

by Kentik

Kentik Connect Pro allows you to quickly and easily add network activity visibility metrics to...

APPLICATION



### NS1 for Grafana

by NS1

NS1 for Grafana allows for the collection and graphing of NS1 data over time.

APPLICATION



### Voxter VoIP Platform Metrics

by voxter

Voxter for Grafana allows for the collection and graphing of Voxter data over time.

PANEL



### Worldmap Panel

by Grafana Project

World Map panel for grafana. Displays time series data or geohash data from Elasticsearch...

APPLICATION



### Zabbix

by Alexander Zobnin

Zabbix plugin for Grafana

PANEL



### Clock

by Grafana Project

Clock panel for grafana

PANEL



### Pie Chart

APPLICATION



### Bosun

DATA SOURCE



### Open-Falcon

carl at carl-ubuntu in ~

```
$ sudo grafana-cli plugins install grafana-piechart-panel
```

```
installing grafana-piechart-panel @ 1.1.1
```

```
from url: https://grafana.net/api/plugins/grafana-piechart-panel/versions/1.1.1/download
```

```
into: /var/lib/grafana/plugins
```

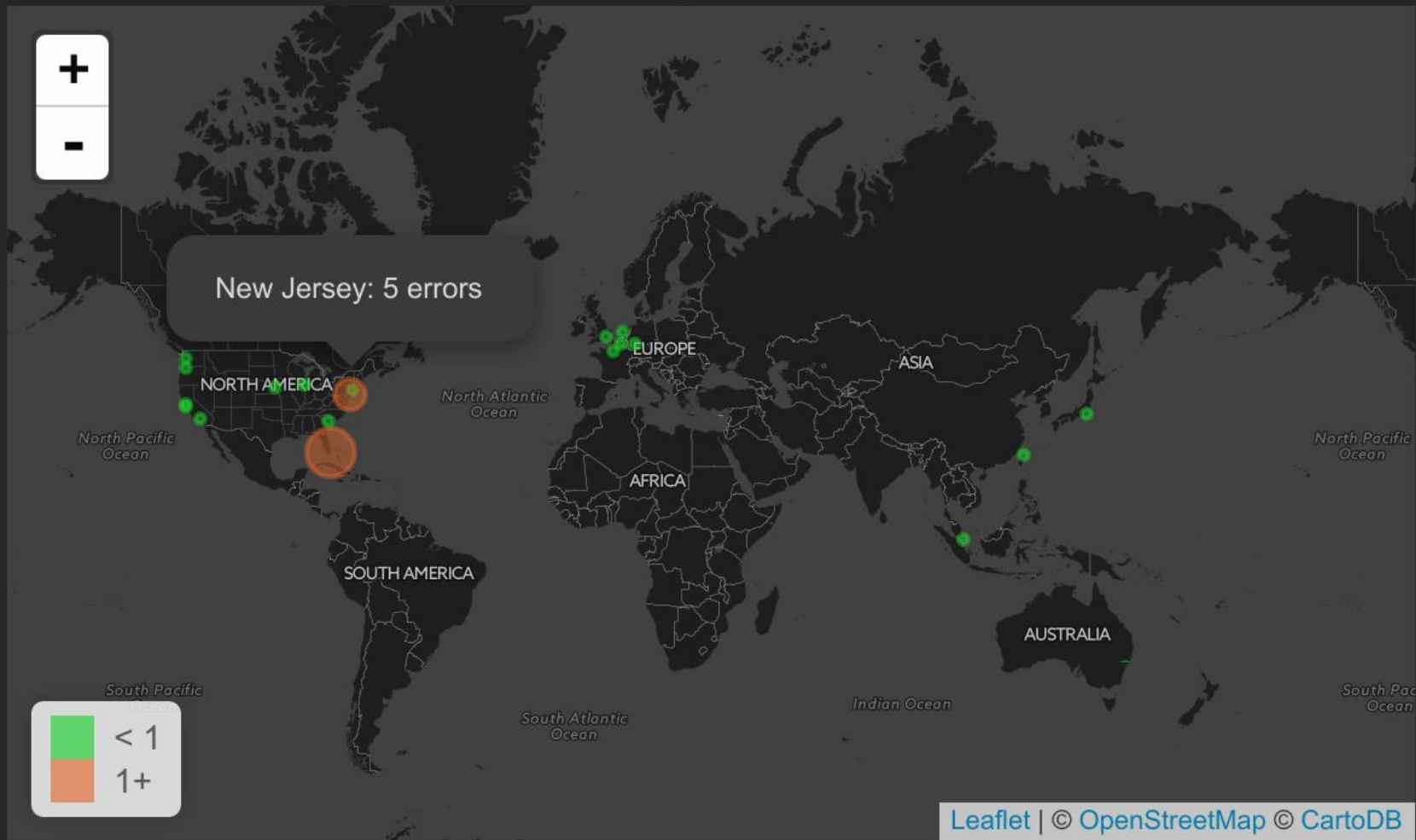
✓ Installed grafana-piechart-panel successfully

Restart grafana after installing plugins . <service grafana-server restart>

carl at carl-ubuntu in ~

```
$ █
```

# Ping Errors



All Plugins » SimpleJson



## SimpleJson by Grafana Project

DATA SOURCE

simple json datasource

Overview

Installation

### Simple JSON Datasource - a generic backend datasource

More documentation about datasource plugins can be found in the [Docs](#).

This also serves as a living example implementation of a datasource.

Your backend needs to implement 4 urls:

- / should return 200 ok. Used for "Test connection" on the datasource config page.
- /search used by the find metric options on the query tab in panels.
- /query should return metrics based on input.
- /annotations should return annotations.

#### Example backend implementations

- <https://github.com/bergquist/fake-simple-json-datasource>
- <https://gist.github.com/tral/1fe649455fe2de9fb8fe>


#### Annotation API

The annotation request from the Simple JSON Datasource is a POST request to the /annotations endpoint in your datasource. The JSON request body looks like this:

#### Version

1.1.2 ▾

#### Dependencies:

 GRAFANA 3.X.X

#### Links:

[GitHub](#)[MIT License](#)

[github.com/grafana/grafana/issues/5812](https://github.com/grafana/grafana/issues/5812)

[github.com/mtanda/grafana-histogram-panel](https://github.com/mtanda/grafana-histogram-panel)

[github.com/mtanda/grafana-heatmap-epoch-panel](https://github.com/mtanda/grafana-heatmap-epoch-panel)

## Dashboards.

### Filter by:

Data Source

Prometheus

Panel Type

All

Category

All

Search within this list



### Share your dashboards

Export any dashboard from Grafana 3.1 or greater and share your creations with the community.

[Upload a Dashboard](#)



#### Docker Dashboard by Brian Christner

Docker Monitoring Template  
Last Updated: August 16th 2016, 9:11 am

Downloads: 412



#### Docker monitoring by philicious

Docker monitoring with Prometheus and cAdvisor  
Last Updated: July 15th 2016, 2:19 pm

Downloads: 233



#### ElasticSearch by vvanhol

Elasticsearch dashboard working with Prometheus  
Last Updated: August 2nd 2016, 11:35 pm

Downloads: 56



#### factorio by ncabatoff

See what's happening in your Factorio game. Learn to use Prometheus and Grafana in the process.  
Last Updated: August 8th 2016, 5:55 am

Downloads: 4



#### Go Processes by ncabatoff

Process status published by Go Prometheus client library, e.g. memory used, fds open, GC details  
Last Updated: August 14th 2016, 7:20 pm

Downloads: 25



#### Jenkins: Performance and health overview by lubovarganike

Jobs queue speeds and rates, Executors availability, Nodes status, Jenkins and JVM resource...  
Last Updated: August 11th 2016, 5:17 pm

Downloads: 7



#### kato::dashboard by The Kato System

Kato dashboard  
Last Updated: July 21st 2016, 3:17 pm

Downloads: 7



#### kato::etcd by The Kato System

Etcd dashboard for Kato  
Last Updated: July 15th 2016, 4:36 pm

Downloads: 27



#### kato::prometheus by The Kato System

Prometheus dashboard for Kato  
Last Updated: July 15th 2016, 4:51 pm

Downloads: 13



#### Kubernetes cluster monitoring (via Prometheus) by Ryan vanniekerk

Monitor a Kubernetes cluster using Prometheus TSDB. Shows overall cluster CPU / Memory / Disk...  
Last Updated: July 20th 2016, 7:23 pm

Downloads: 194



#### Kubernetes resources usage monitoring (via Prometheus) by Instrumentisto Team

Monitors Kubernetes cluster using Prometheus. Shows overall cluster CPU / Memory / Filesystem...  
Last Updated: August 13th 2016, 7:16 pm


Downloads: 7





## Import Dashboard



 Upload .json File

Grafana.net Dashboard

Paste Grafana.net dashboard url or id

Or paste JSON

 Load



## Import Dashboard



Importing Dashboard from [Grafana.net](https://grafana.net)

Published by

Brian Christner

Updated on

2016-08-16 09:11:44

### Options

Name

Docker Dashboard



Prometheus



Select a Prometheus data source



Save & Open

Cancel

Back





## More info

[grafana.org](https://grafana.org)

[grafana.net](https://grafana.net)

[github.com/grafana/grafana](https://github.com/grafana/grafana)

[play.grafana.org](https://play.grafana.org)

## Contact

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