



Welcome To GrafanaCon 2016

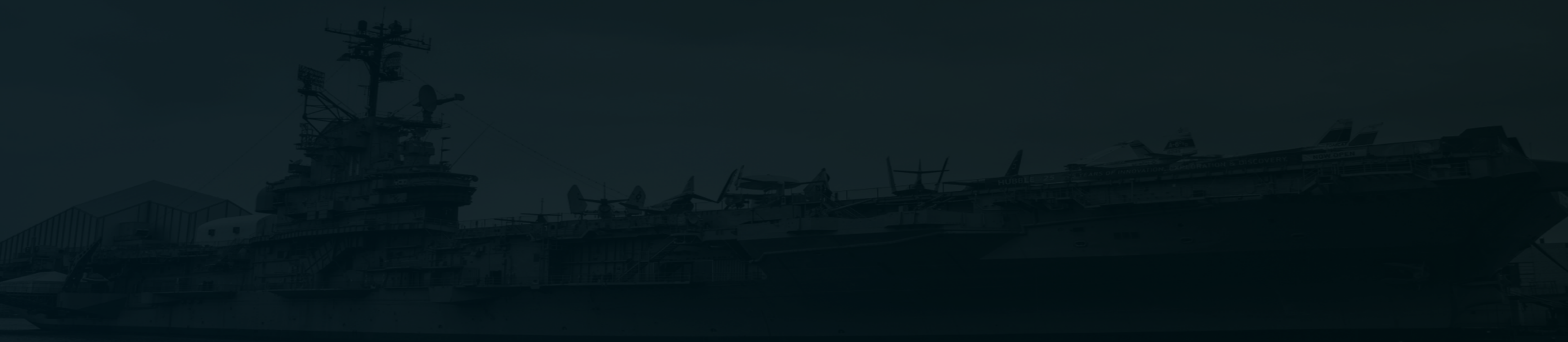




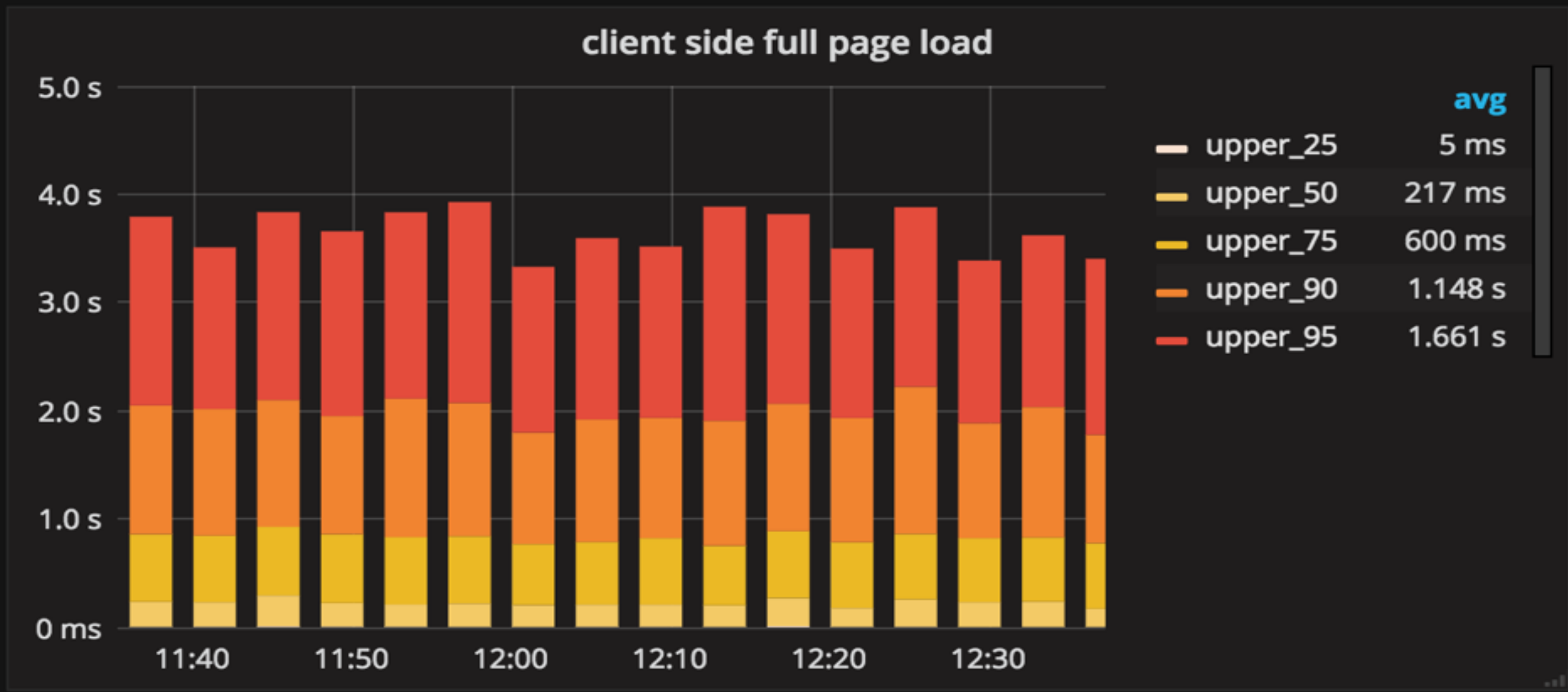
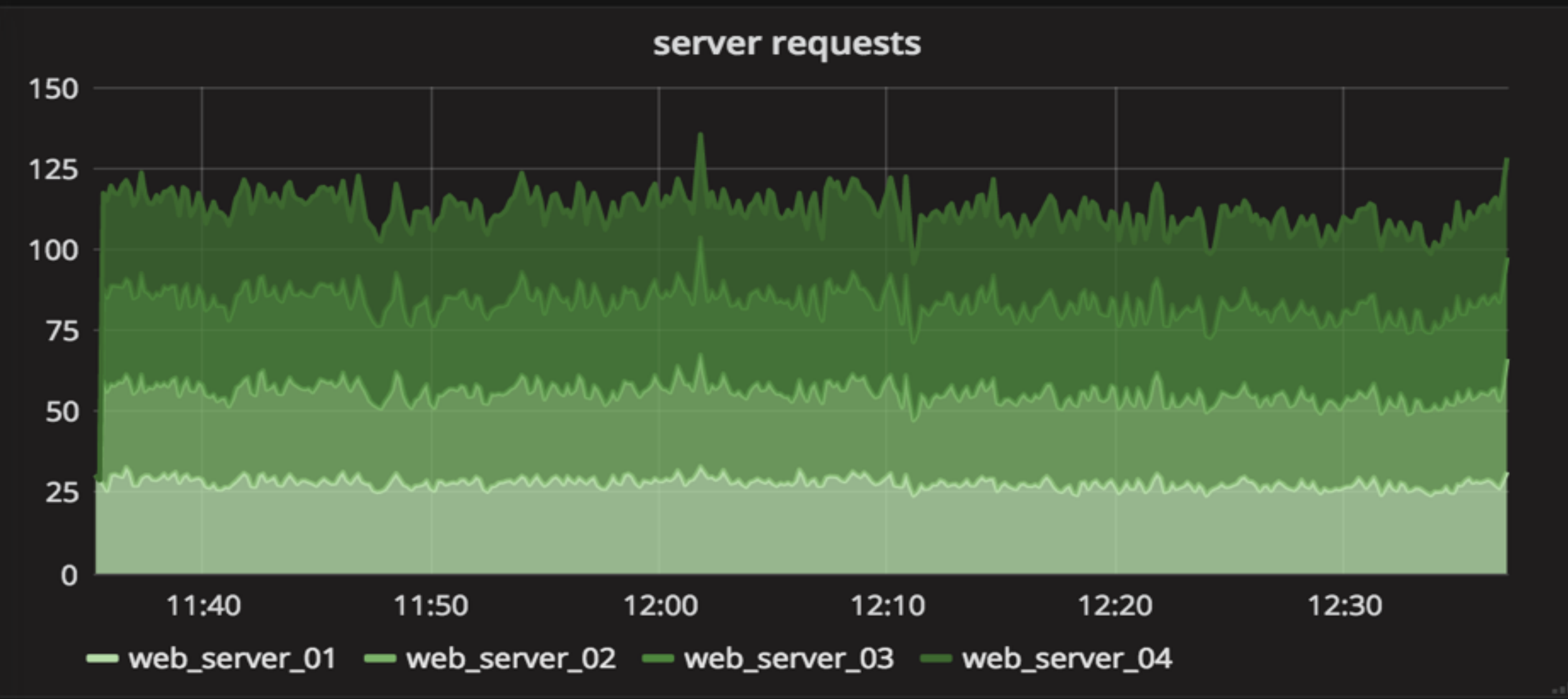
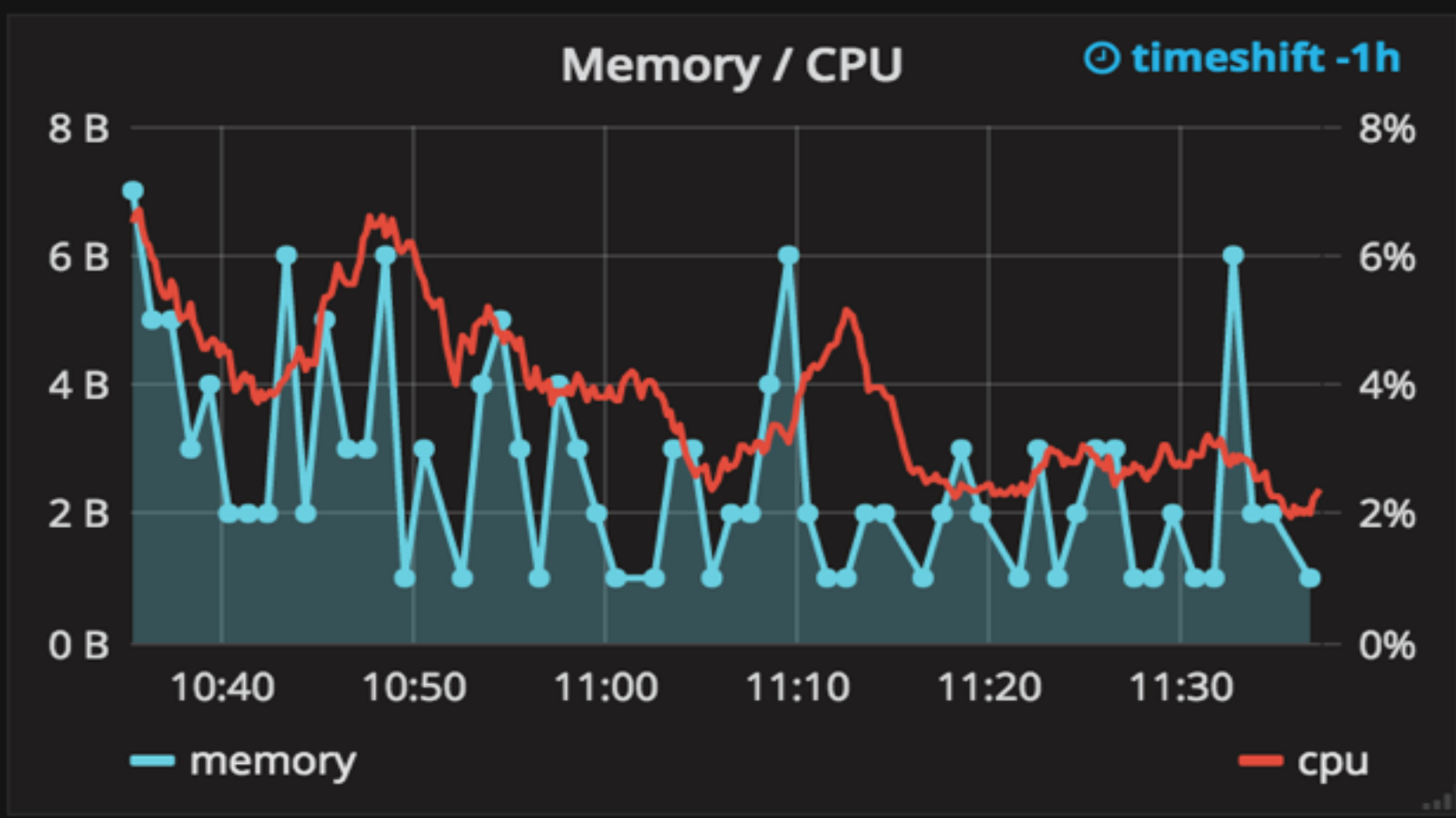
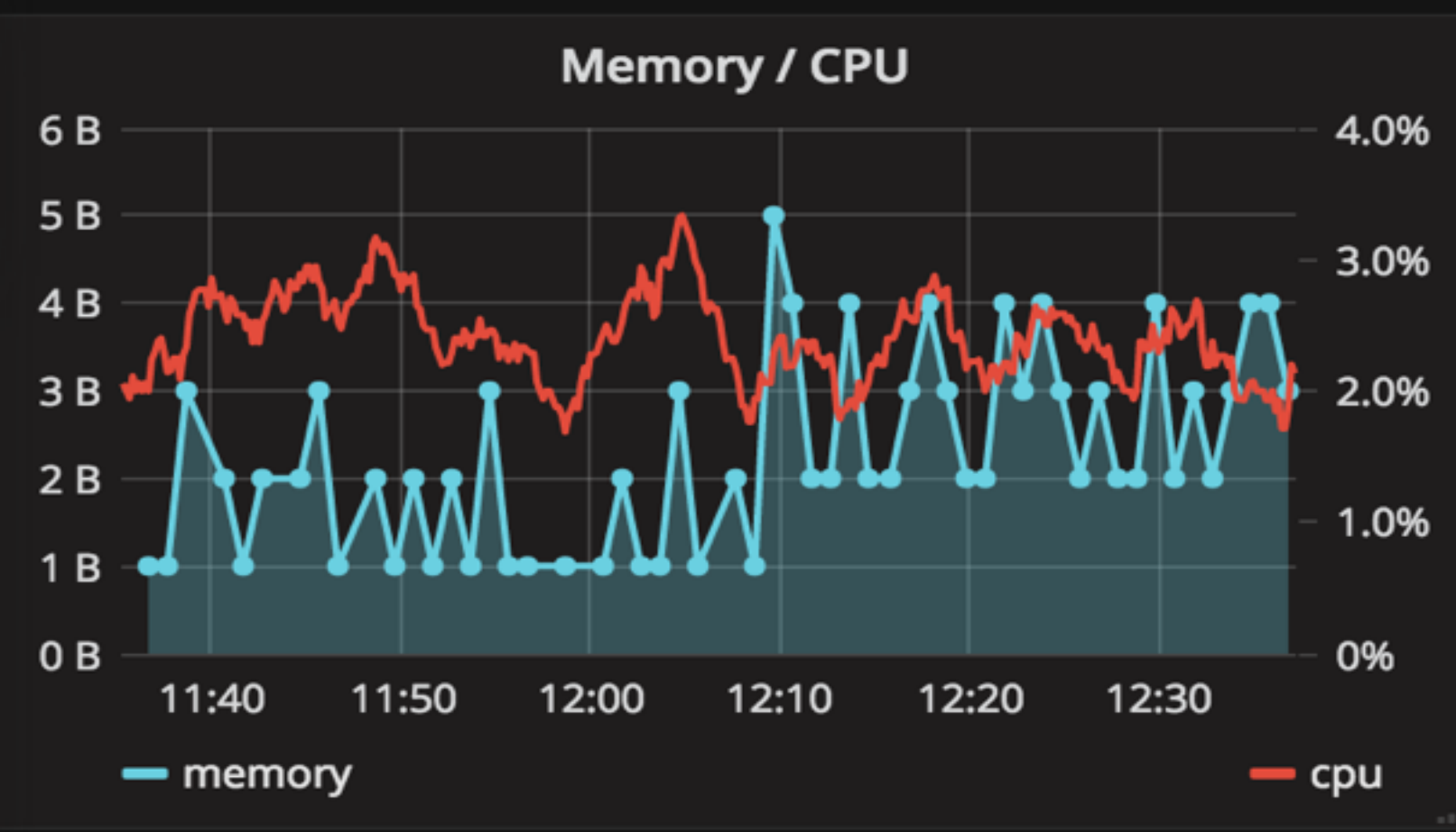
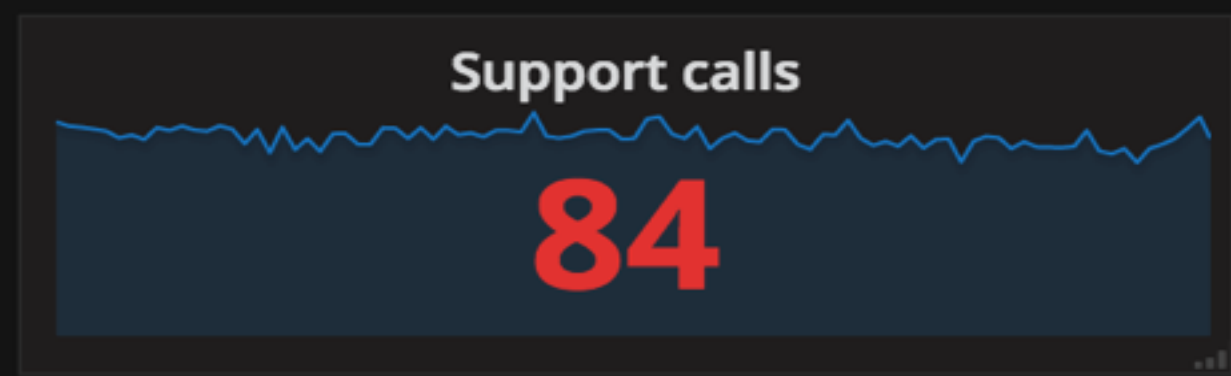
Torkel Ödegaard

Grafana Creator & Project Lead
Raintank Co-Founder











Sign ups

278

Logins

196

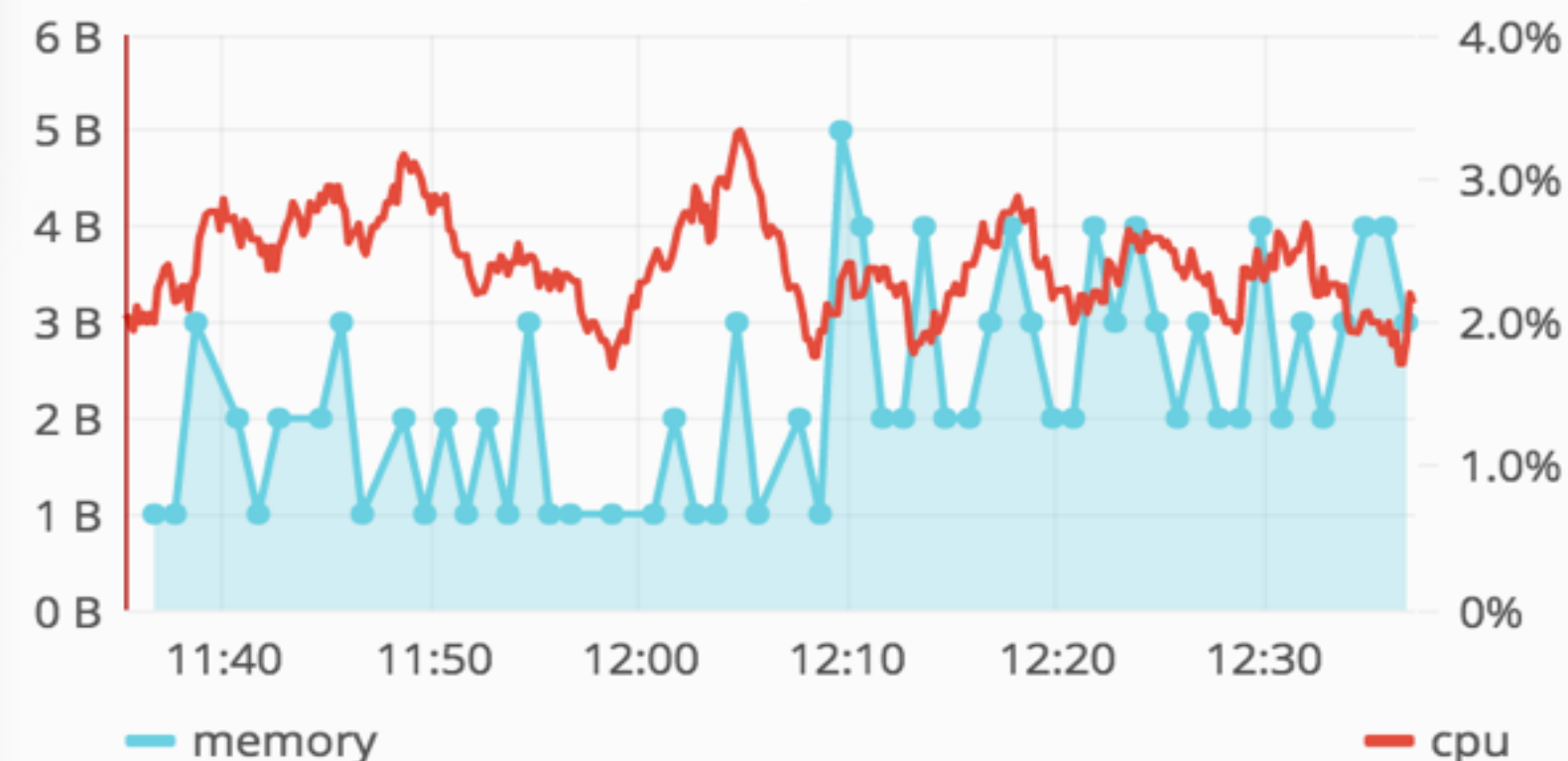
Sign outs

281

Support calls

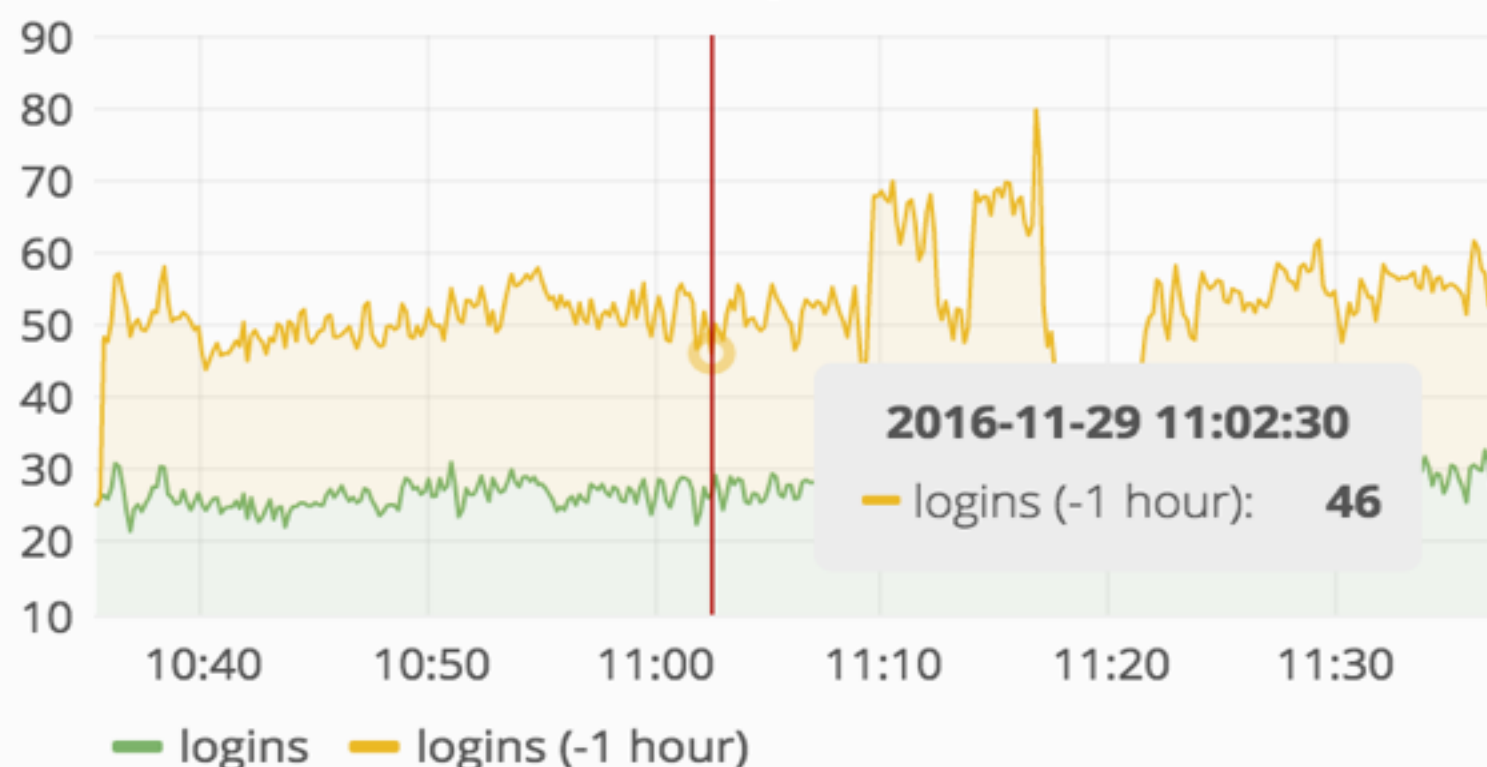
84

Memory / CPU



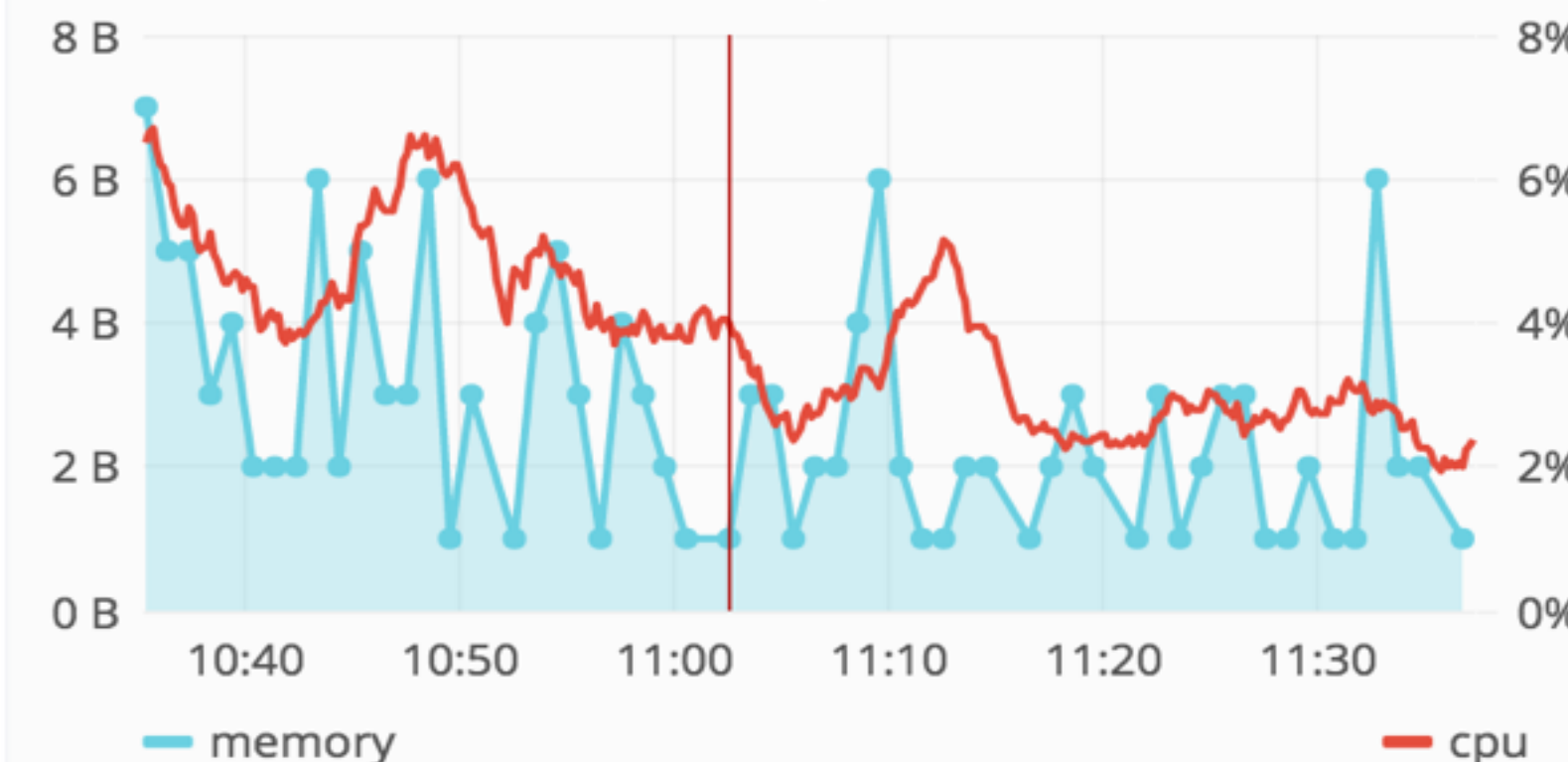
logins

timeshift -1h

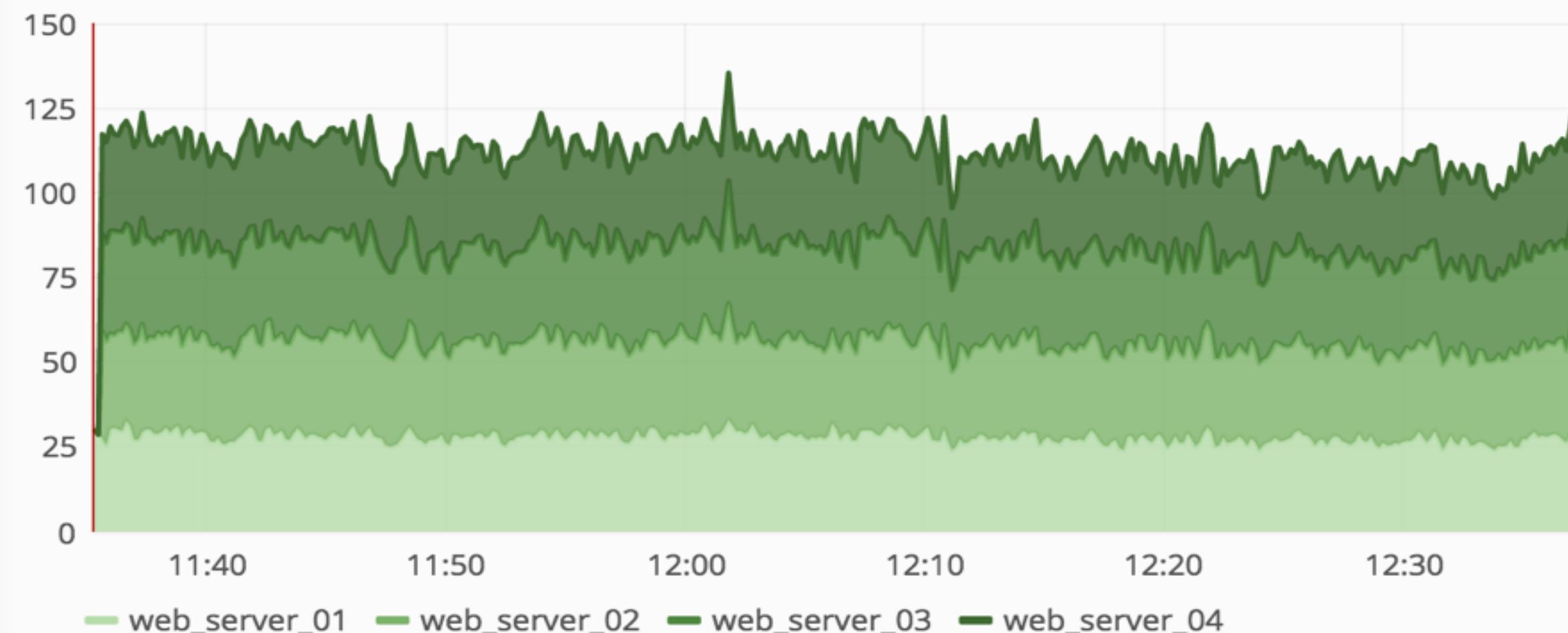


Memory / CPU

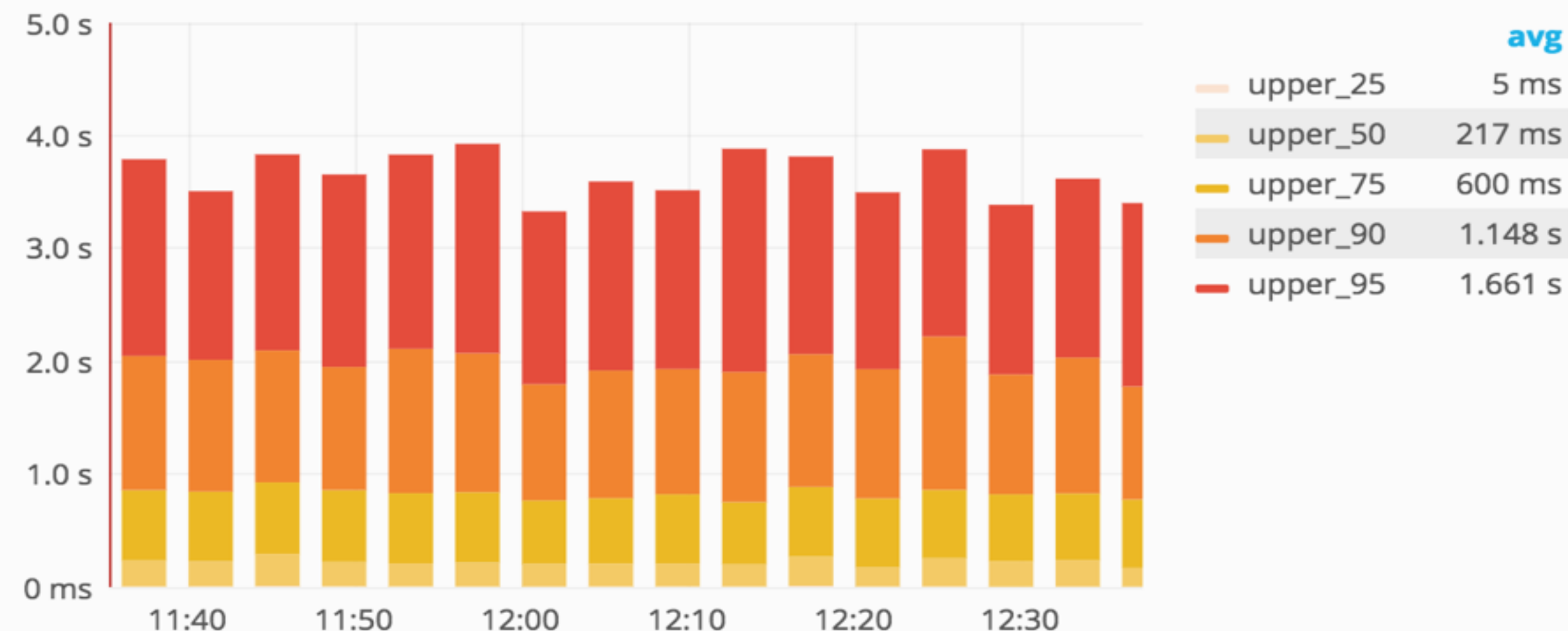
timeshift -1h



server requests



client side full page load







Sponsors





STAPLES®

 **kentik**

NS1.

 **PERCONA**

 **CIRCONUS**

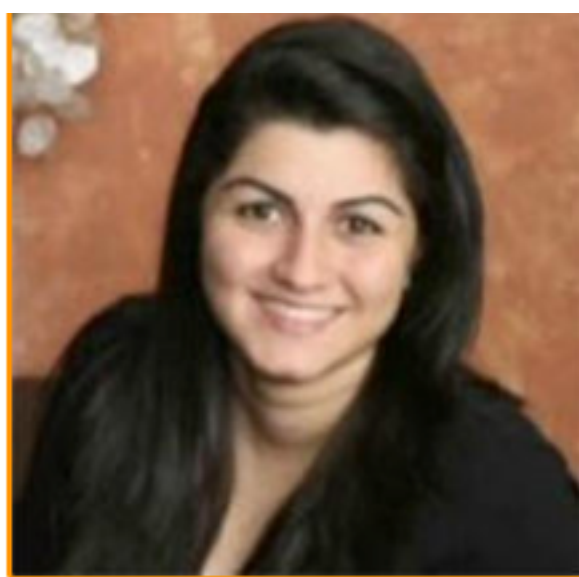
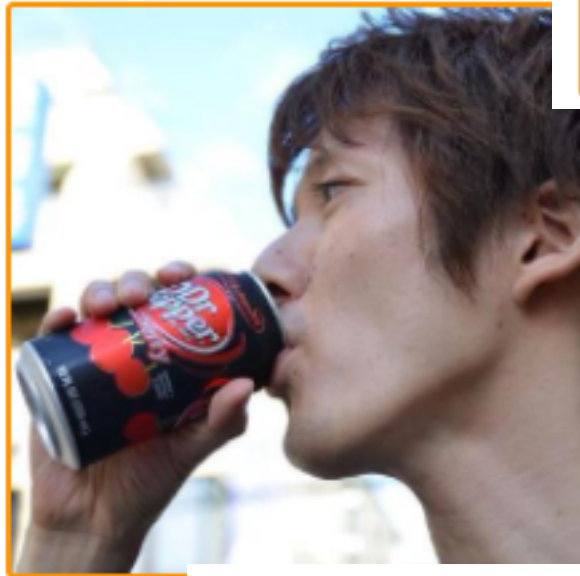
 **CRATE.IO**

 **VOXTER**

 **influxdata**

packet







Thanks to all of you

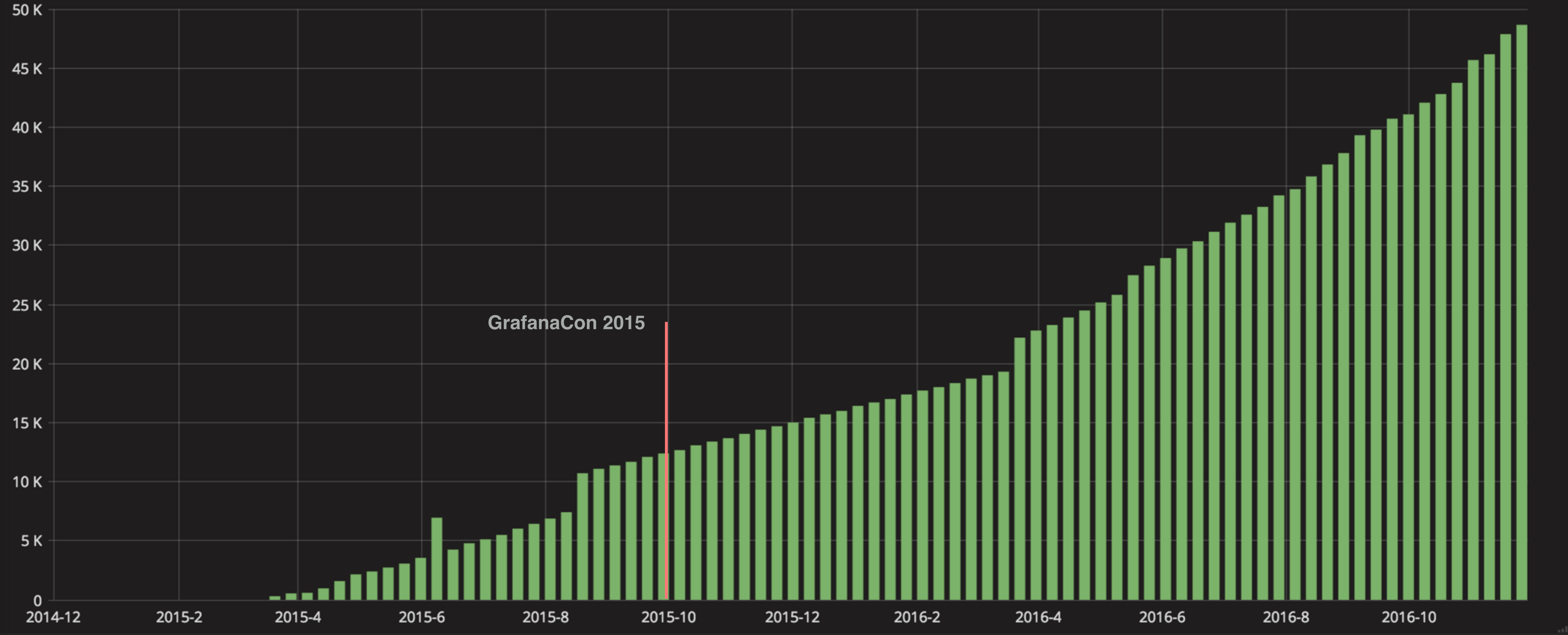




2015 - 2016



Grafana Installations



Grafana Releases

- *Version 2.5 - October 29, 2015*
 - *Elasticsearch*
 - *Prometheus*
- *Version 2.6 - December 13, 2015*
 - *Table panel*



Grafana Releases

- *Version 3.0 - 11 May 2016*
 - *New plugin system*
 - *Improved UX*
- *Version 3.1 - 12 July, 2016*
 - *Dashboard sharing/import via grafana.net*

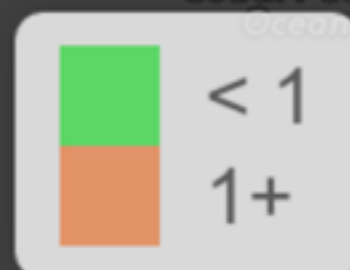




Ping Errors



New Jersey: 5 errors

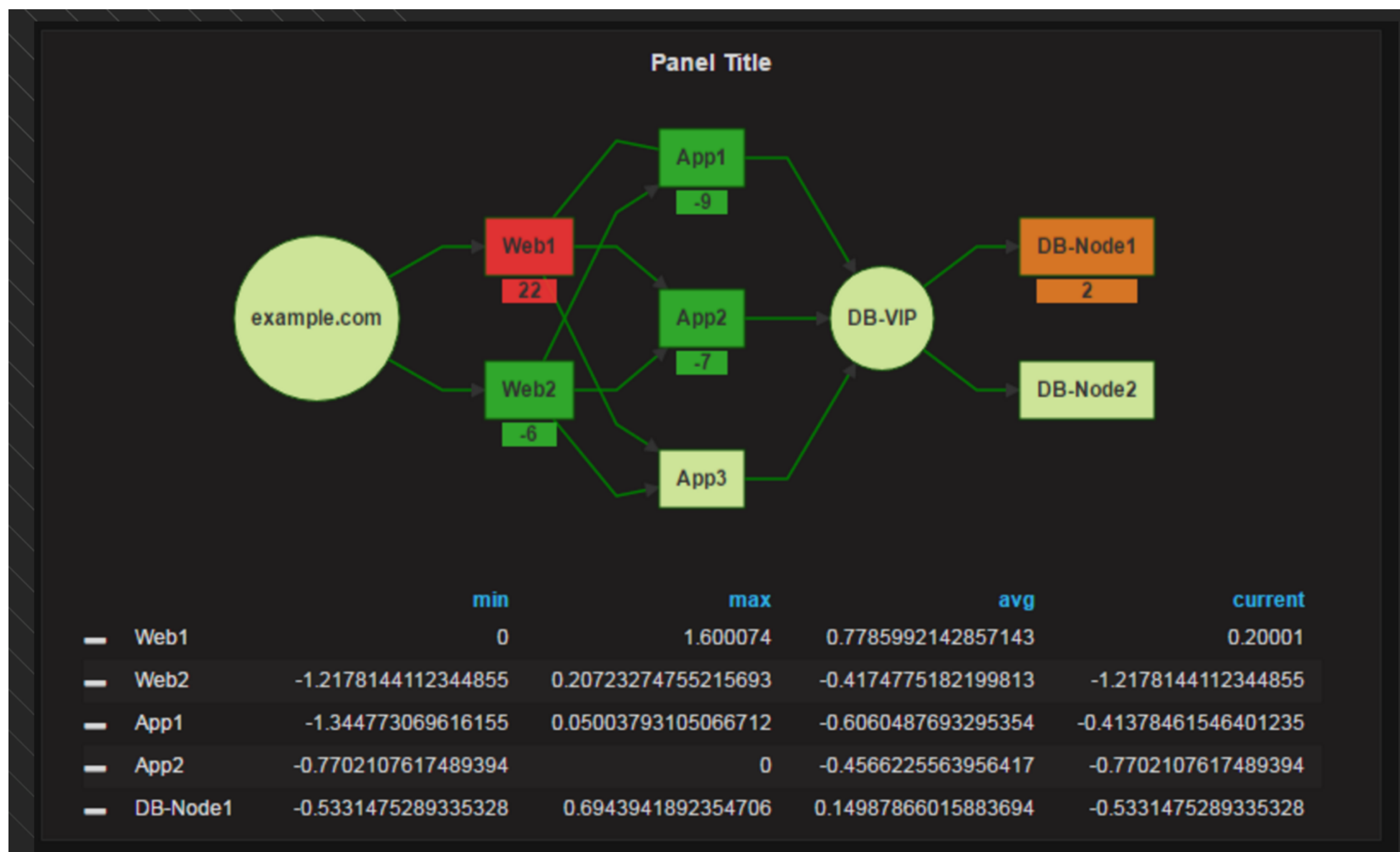


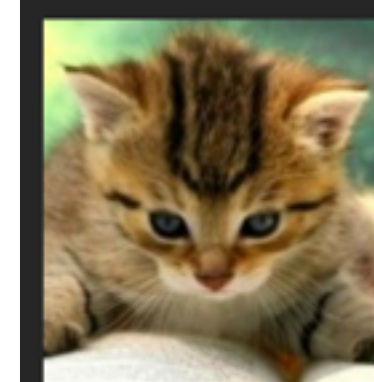


Jeremy Branham

jdbraham

Joined on September 28, 2016

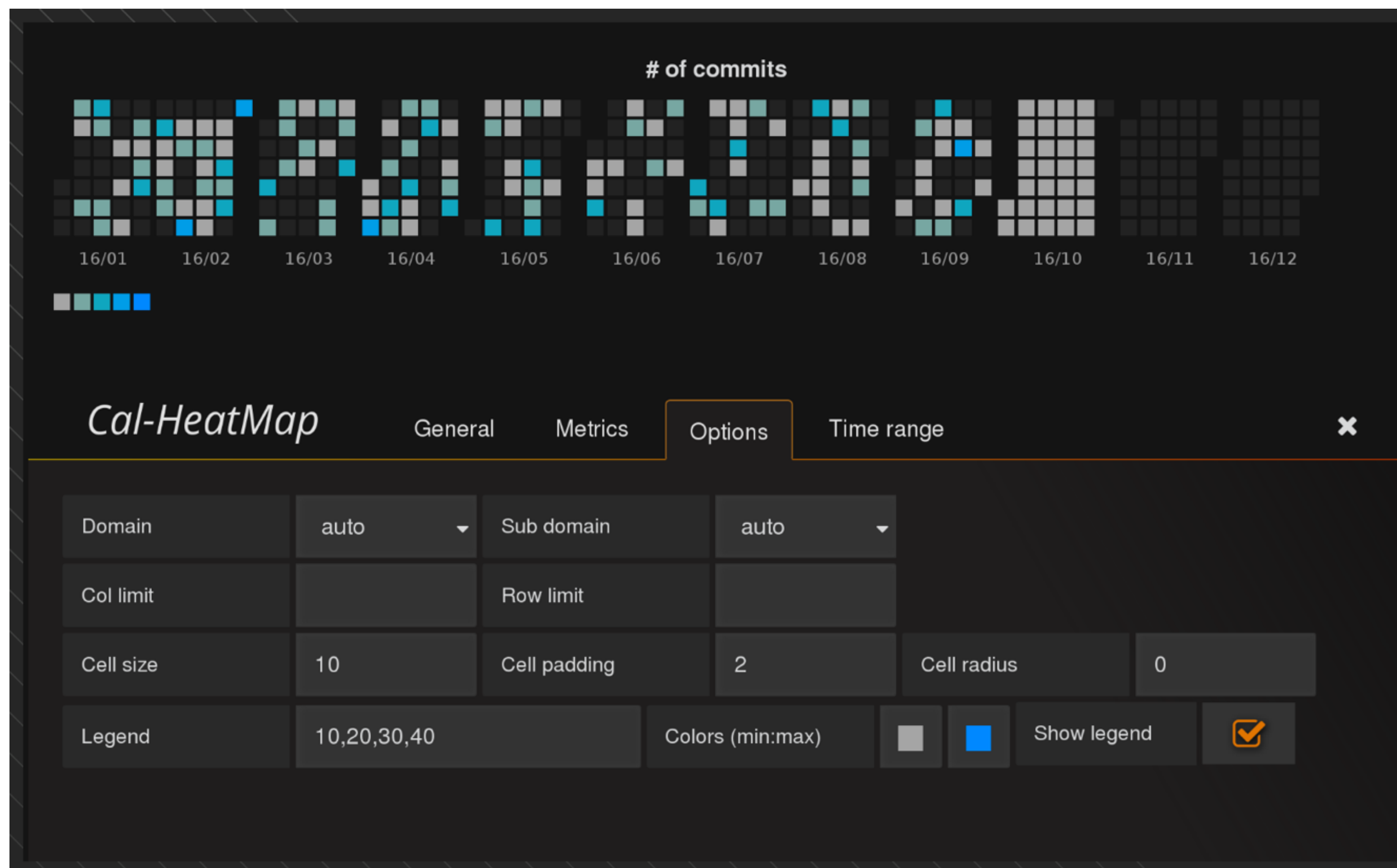




neocat

neocat

Joined on November 8, 2016



Clock Panel



LAUNCH IN

23 hours, 13 minutes, 56 seconds

NEW YORK

10:44:02 AM

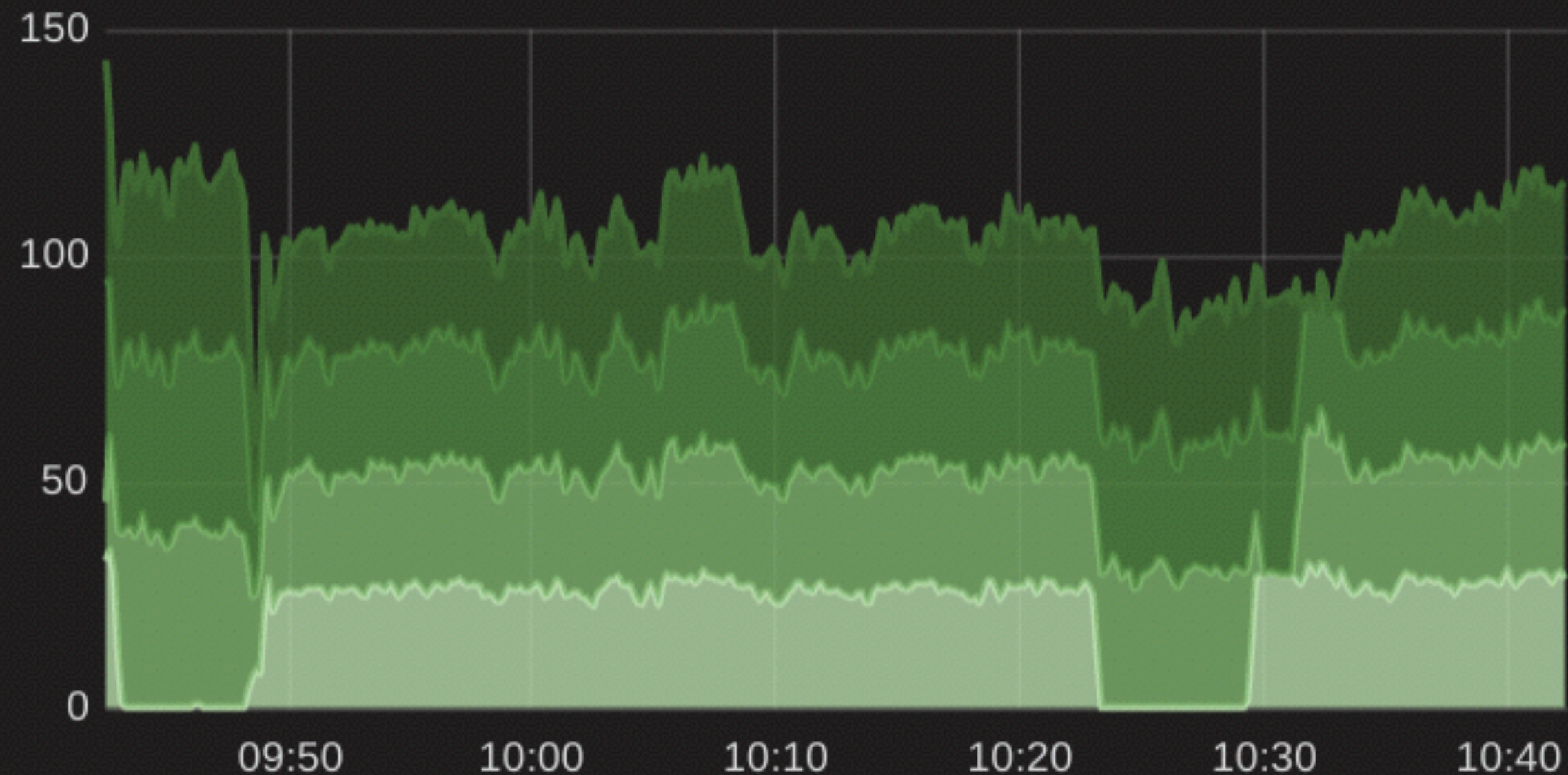
LONDON

14:44:02

HONGKONG

22:44:02

server requests



logins



Apps





Bosun by Bosun Team
Bosun Datasource and Bosun Panels



Zabbix by Alexander Zobnin
Zabbix plugin for Grafana



NS1 for Grafana by **NS1**

 APPLICATION

NS1 for Grafana allows for the collection and graphing of NS1 data



worldPing by Raintank
worldPing is a plug-in for Grafana that continually tests,

All Plugins » **Kentik Connect Pro**



Kentik Connect Pro by **Kentik**

 APPLICATION

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

Dashboards



Dashboards.

Filter by:

Data Source

Graphite

Panel Type

All


Category

All

Collector



All


Search within this list

- 

Atop Monitoring by rchakode


Dashboard to visualizing performance metrics built from counters extracted from atop and...


 GRAPHITE  OTHER

Downloads: 234
- 


Carbon C Relay by matejz


Dashboard showing Carbon C Relay internal metrics

 GRAPHITE

Downloads: 365
- 



Carbon-relay-ng by dieterbe


 GRAPHITE

Downloads: 83
- 

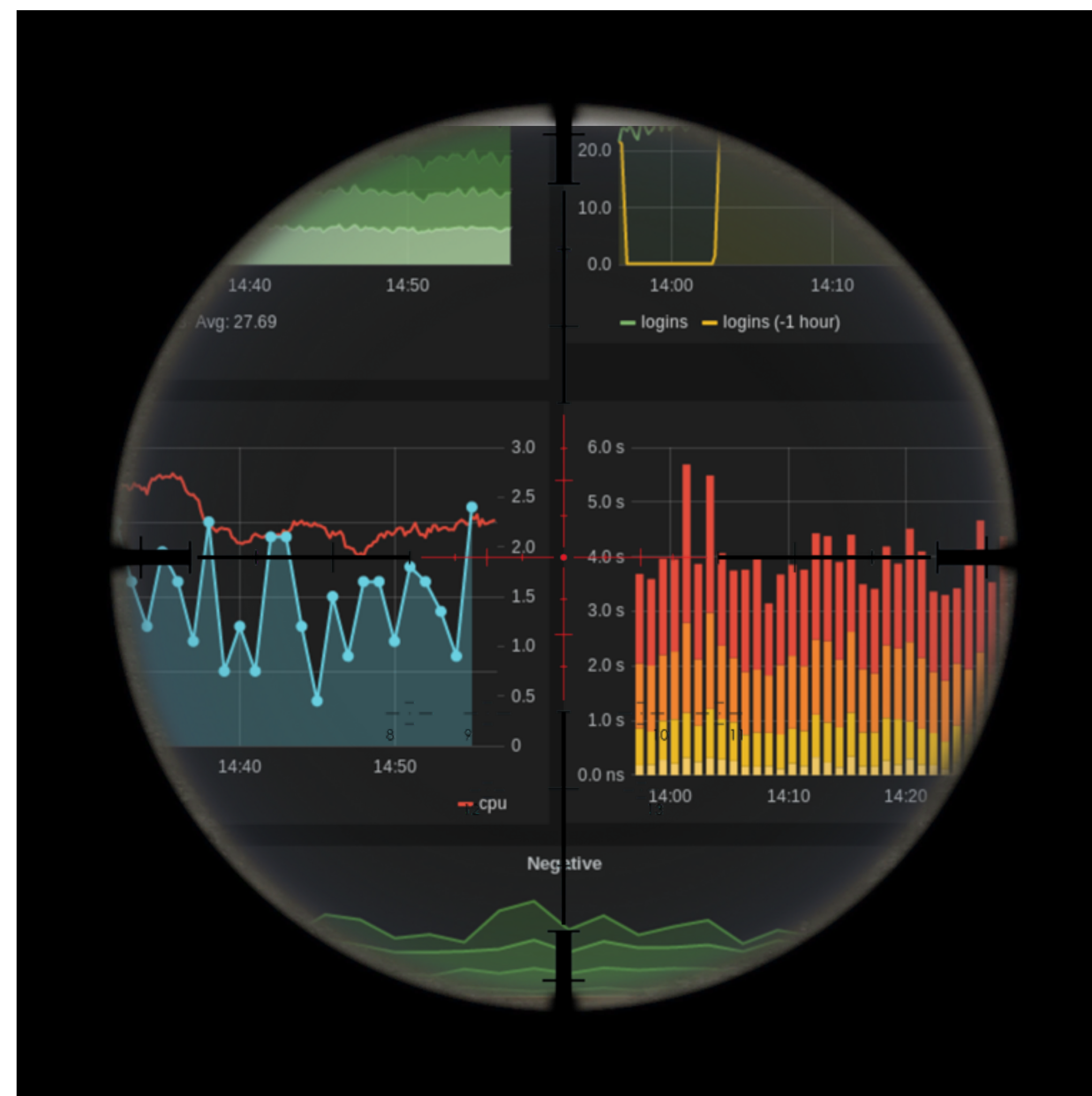
CollectD Server Metrics by Torkel Ödegaard

CollectD & Graphite Server Metrics Dashboard with CPU, Memory, IO & Disk Stats

 GRAPHITE  COLLECTD: CPU PLUGIN, DF PLUGIN, DISK PLUGIN

Downloads: 2119
- 

CollectD Server Metrics by jimcs



Who Uses Grafana?



Who Uses Grafana?

 ancestry.com®



StackExchange 



SONY



Who Uses Grafana?





LAUNCH CONTROL CENTER

CAPE CANAVERAL, FLORIDA



Wait a minute.
This looks familiar...

Enhance...

Yep.
Grafana spotted!

LAUNCH CONTROL CENTER

CAPE CANAVERAL, FLORIDA

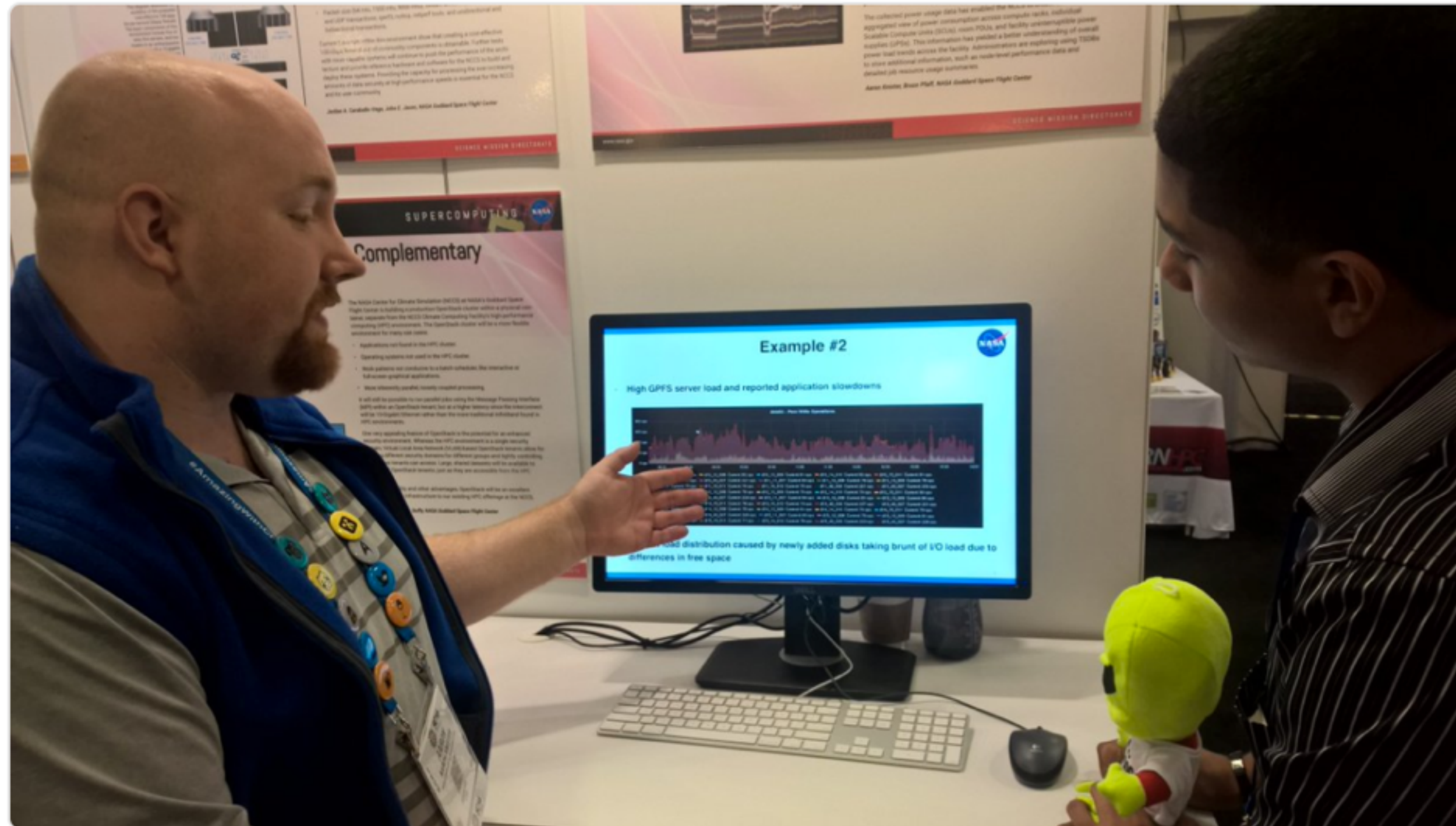


NASA Supercomputing ✓
@NASA_Supercomp



Follow

.@NASA_NCCS's Aaron Knister teaches our #Phion1 visitor about time series databases in the NASA #SC16 booth!



RETWEETS

5

LIKES

15



7:40 PM - 16 Nov 2016



2



5



15







Large-Scale Scientific Computing Monitoring with Grafana

Kevin Retzke

Fermilab



What's new In Grafana v4.0

Grafana v4.0 Released Yesterday



PRETTY PLEASE?



GIVE IT TO ME



NOW!



But...



And...





Yes, Alerting is in v4.0



Demo





Grafana BOT 3:40 PM ☆



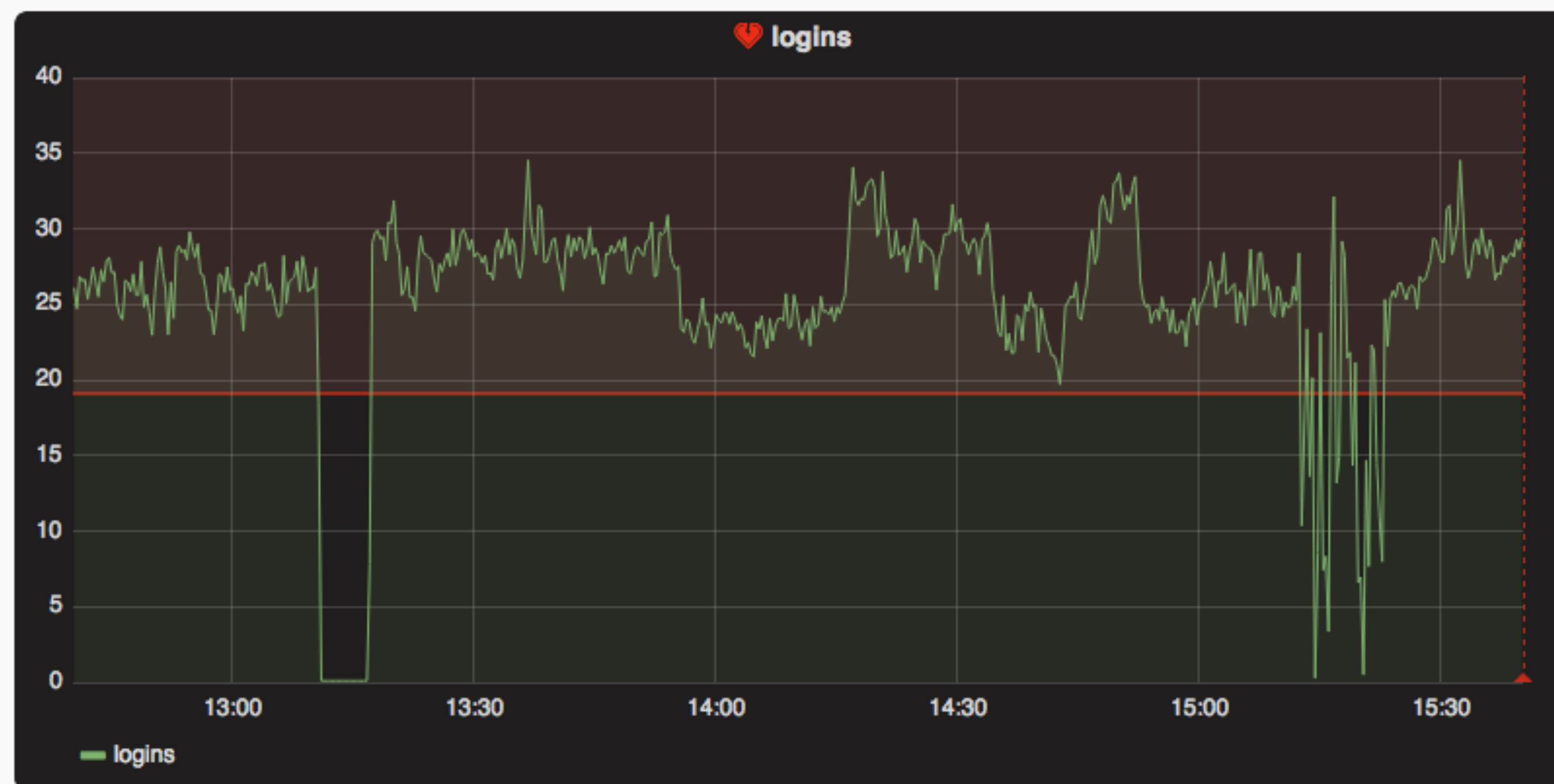
[Alerting] logins alert

Logins per second is not looking good guys. Link to runbook...

logins

28.243333333333

 Grafana v3.1.0 | Today at 3:40 PM (48KB) ▼



UX Improvements



PROJECT: *KILL GREEN ALIEN*





PING PERFORMANCE RANGE AND LOSS (AVERGAGE)



PING PERFORMANCE (EACH INDIVIDUAL PROJECT)



Build mode





Sign ups

241



Sign outs

256



Support calls

75



Logins

172



Google hits

49



Build Mode

Settings

Annotations

Templating

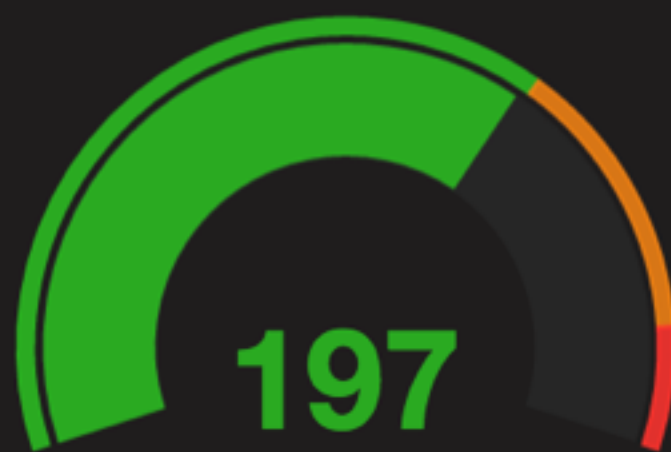
View JSON

Save As...

Delete dashboard

Logouts

197



Google hits

49

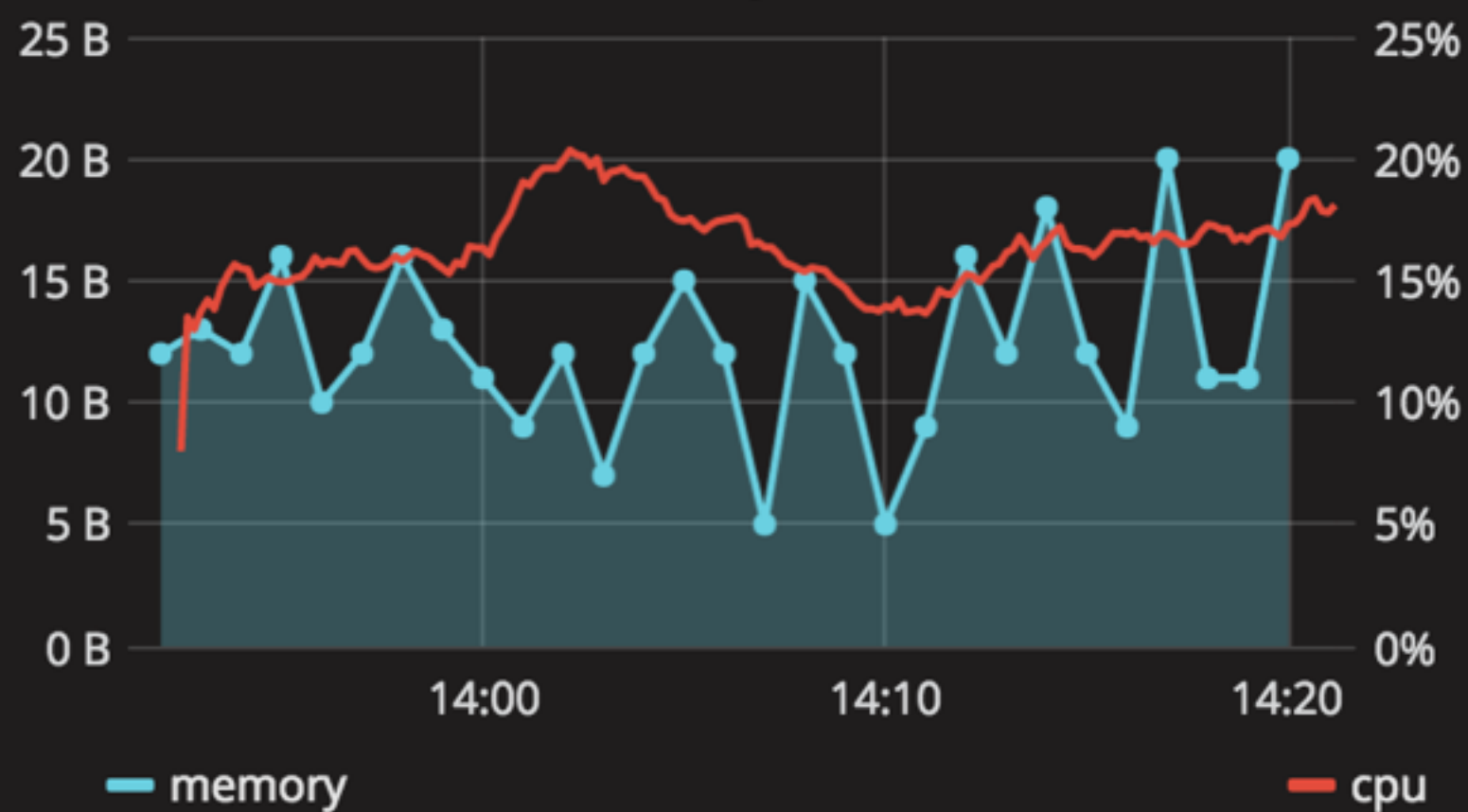


Logouts

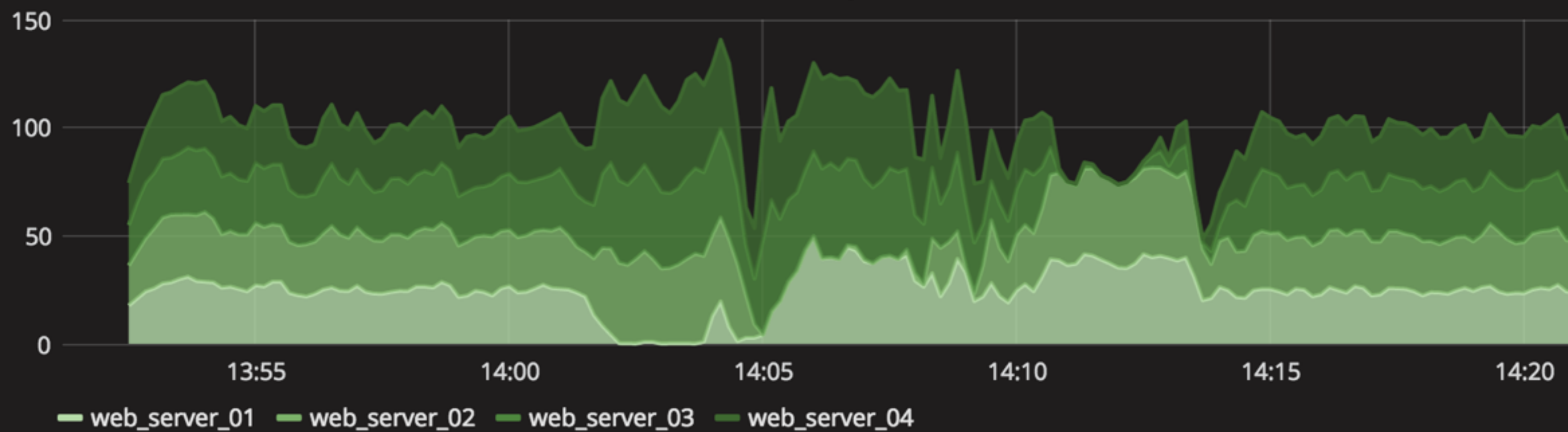
197



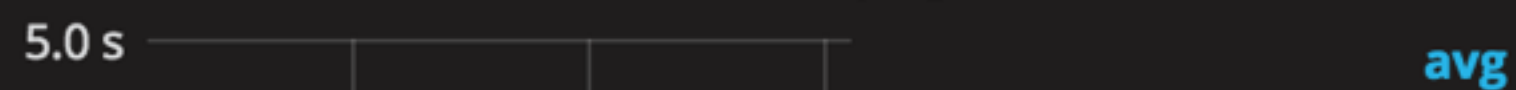
Memory / CPU



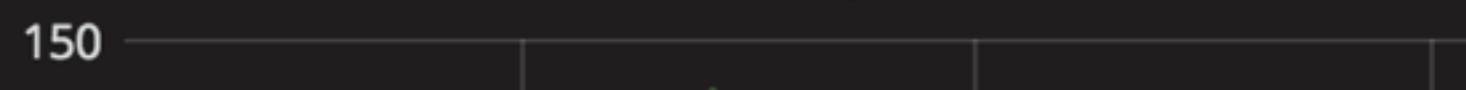
server requests



client side full page load



server requests





Exit Build Mode

▾ New row

Add Panel +

Row Options ⚙



Sign ups

241

Logins

172

Sign outs

256

Support calls

75

▾ New row

Add Panel +

Row Options ⚙



Logins

172

Google hits

49

Memory

98 B

Logouts

197

Google hits

49

Logouts

197

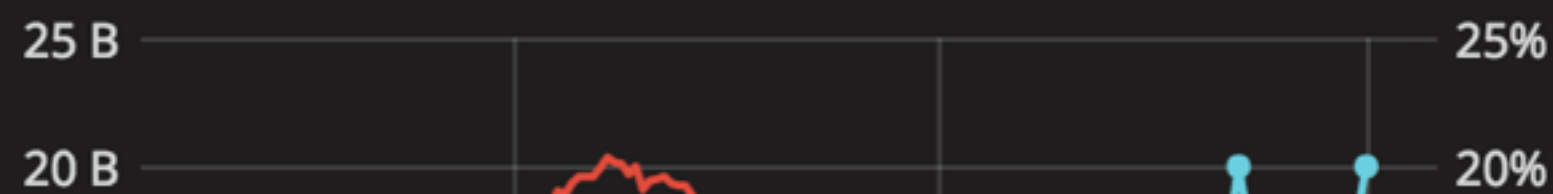
▾ test

Add Panel +

Row Options ⚙

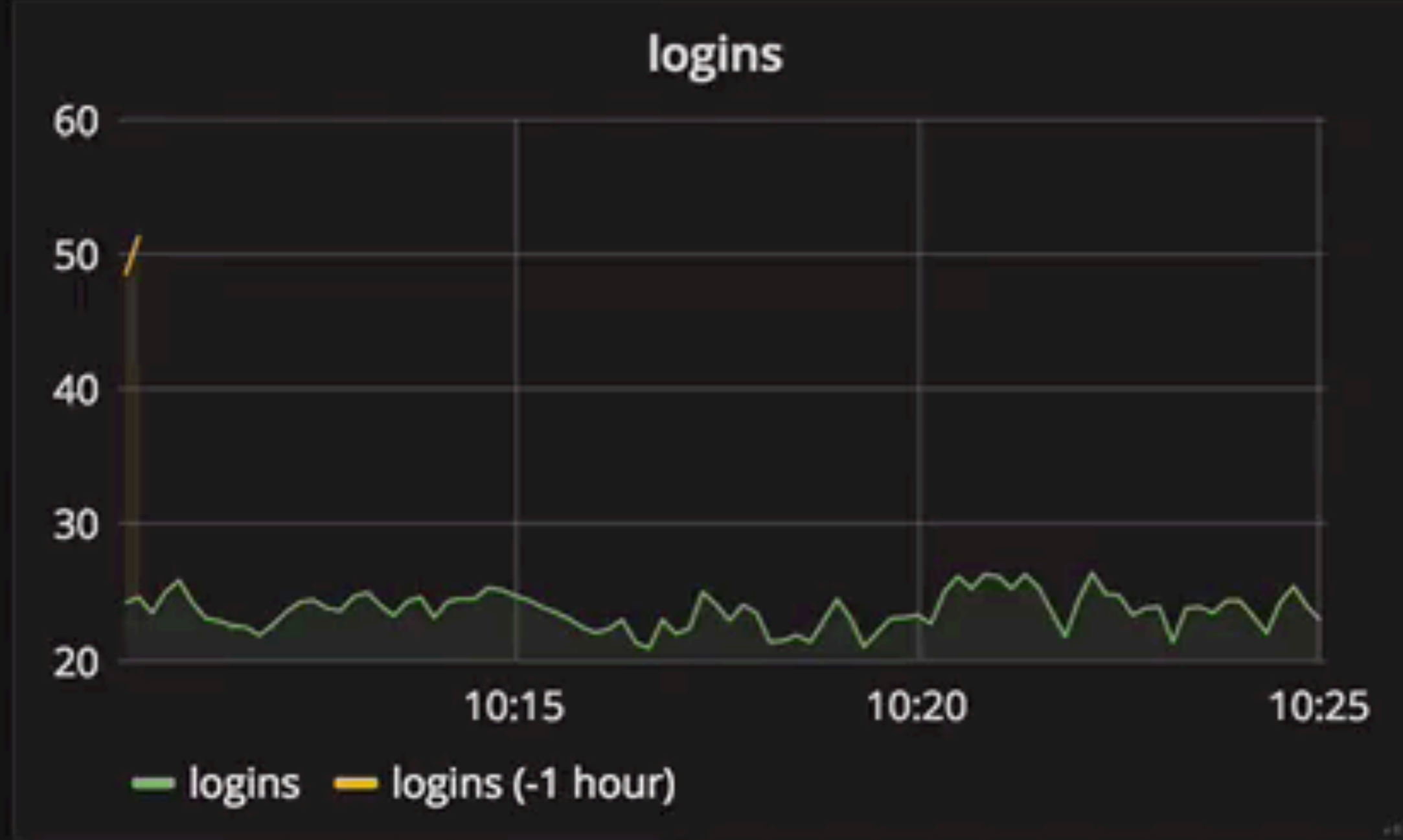
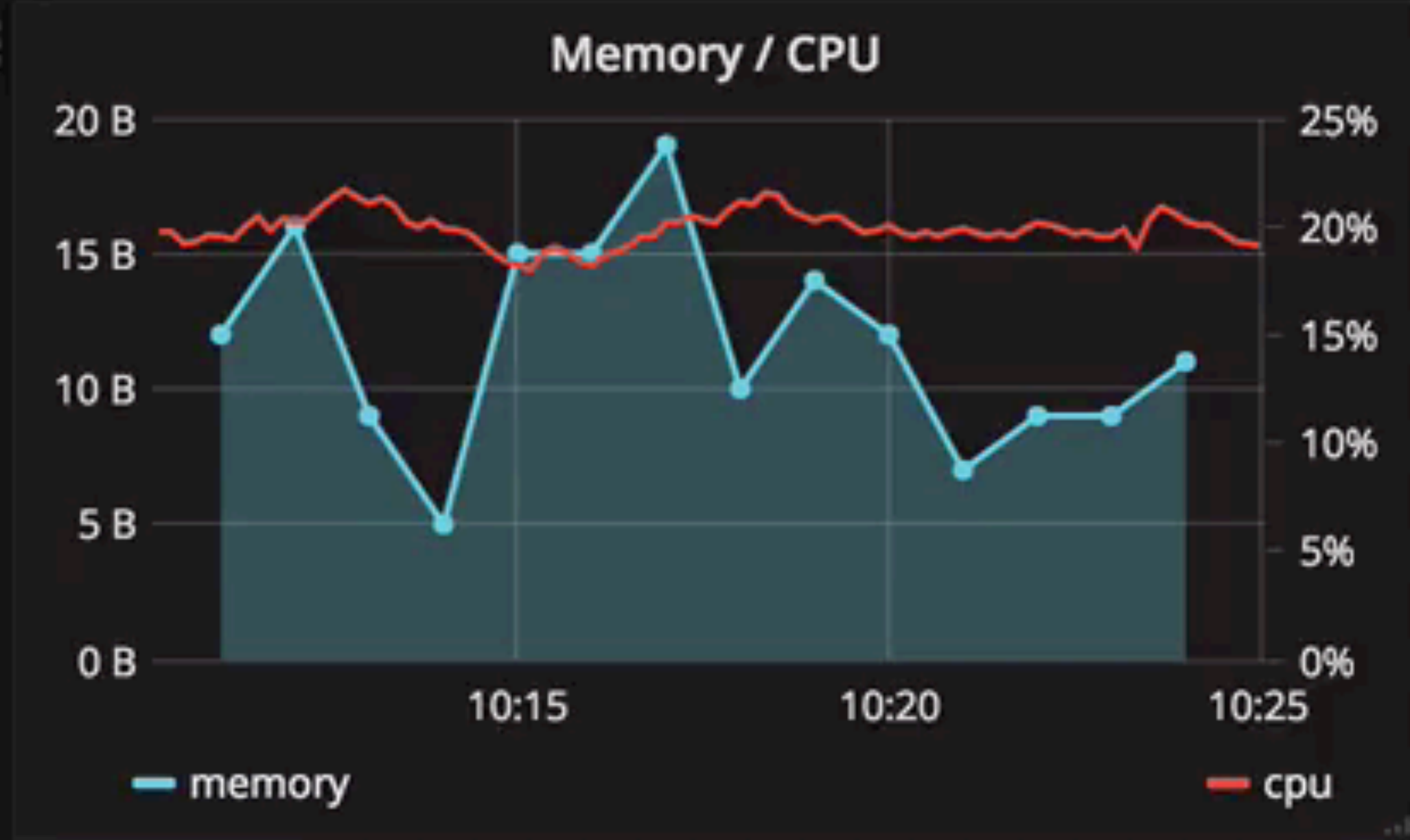


Memory / CPU



server requests





Ad Hoc Filters



TV & Kiosk Mode



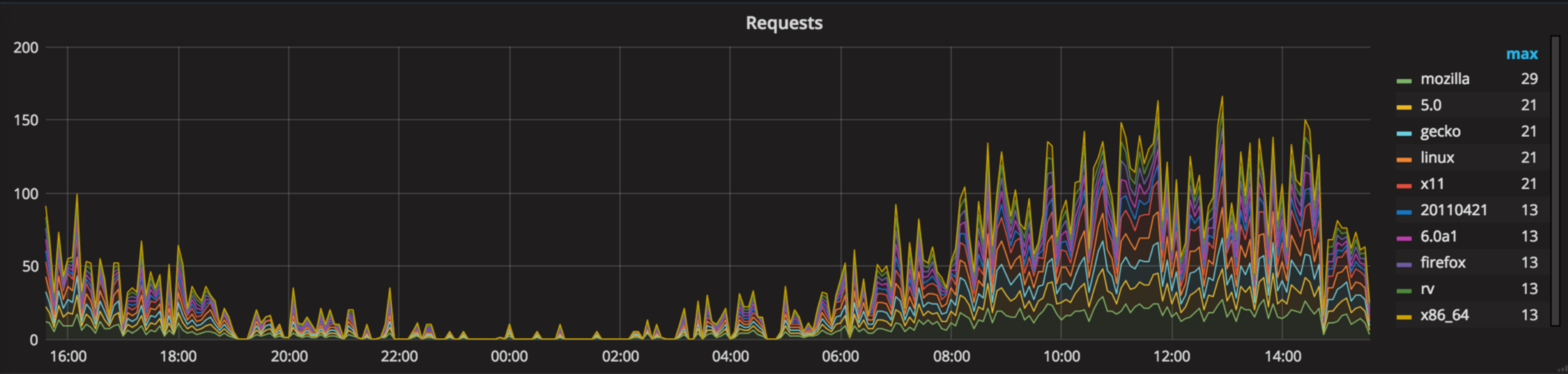
Keyboard shortcuts



Interval auto

Group By agent

Filters extension = gif +



@timestamp ▾	request	response	bytes
2016-11-27 15:35:27	/canhaz/dmitri-kondratyev.gif	404	531.00
2016-11-27 15:35:15	/canhaz/ronald-sega.gif	200	919.00
2016-11-27 15:35:13	/canhaz/wang-yaping.gif	200	445.00
2016-11-27 15:34:27	/canhaz/gregory-h-johnson.gif	200	805.00
2016-11-27 15:33:52	/canhaz/scott-carpenter.gif	200	151.00

1 2 3 4 5

Grafana v4.0

- Released Yesterday
 - Includes Alerting
 - Checkout what's new at grafana.org
-
- Questions?
 - More demos? Grab me during a break.

