



Web Performance Observability

WebRockit
Components



WebRockit.io
Mike McLane (@xyntrix)
Joe Crim (@josephcrim)

Thank you!

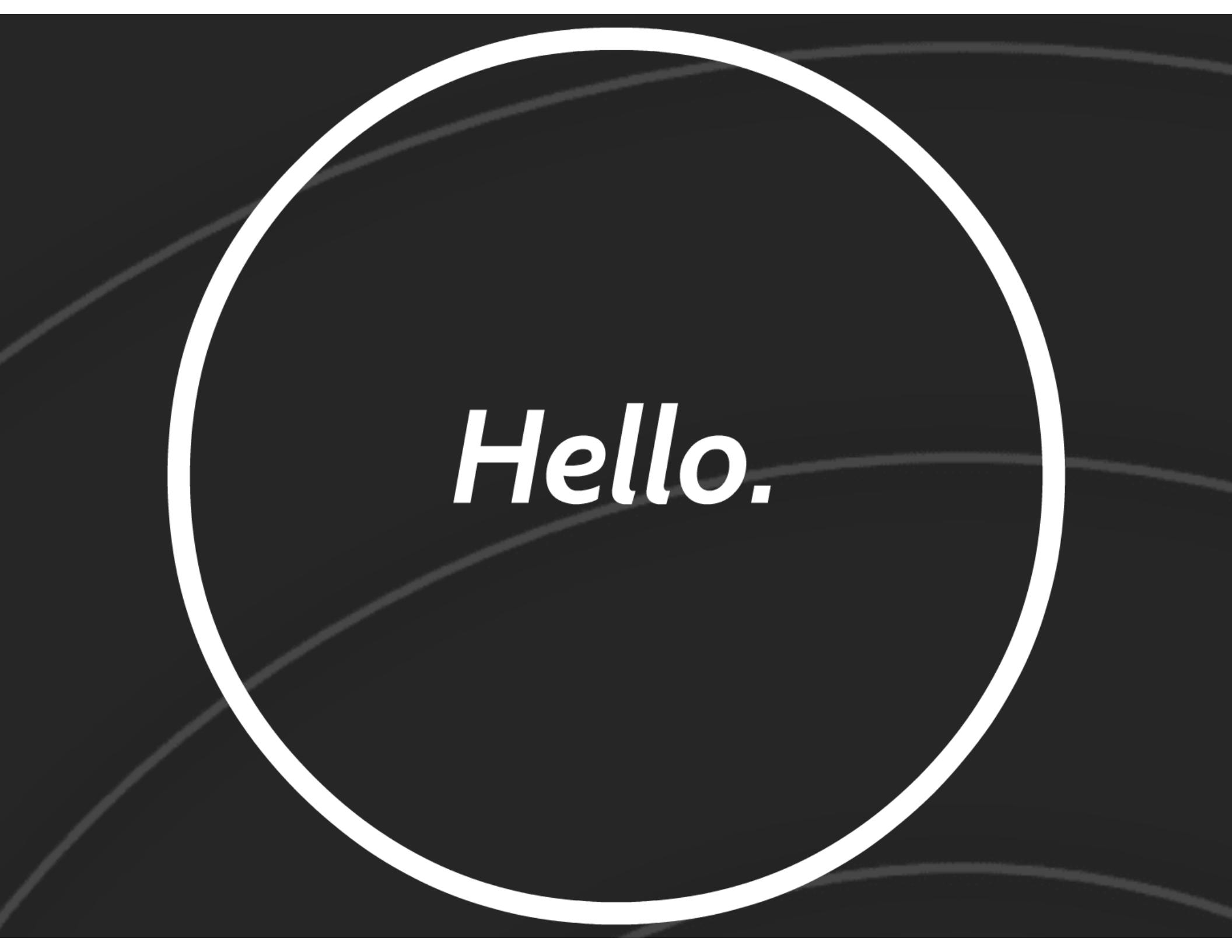
Interested?

Hello.

WebRockit In Action

What's Next?

Web Performance Observability



Hello.

Mike McLane

Joe Crim

WebRockit.io





**WHAT WOULD YOU
SAY
YOU DO HERE?**



FOREVER AND ALWAYS



BLOGS ABOUT CATS

YOUNG
WOMEN
GOING
UP

OBAMA'S
FIGHT IN
BATTLE OVER GATE

EXAMINER

More stories
GETTING SHOWED
Bart Reynolds
BRAVE
LAST DAYS

ENQUIRER

Lisa Marie
HITS
165 lbs!

Heart attack
after her bungee
jumping

ENQUIRER

OSCAR STURS GAY SISTER HAVING A BABY

Globe

TIME
Society

MORE

GLOBE
JACKSON KIDS
IN DANGER!

People
'WHY
CAN'T A
MOM HAVE
FUN?'

LifeStyle

GLOBE

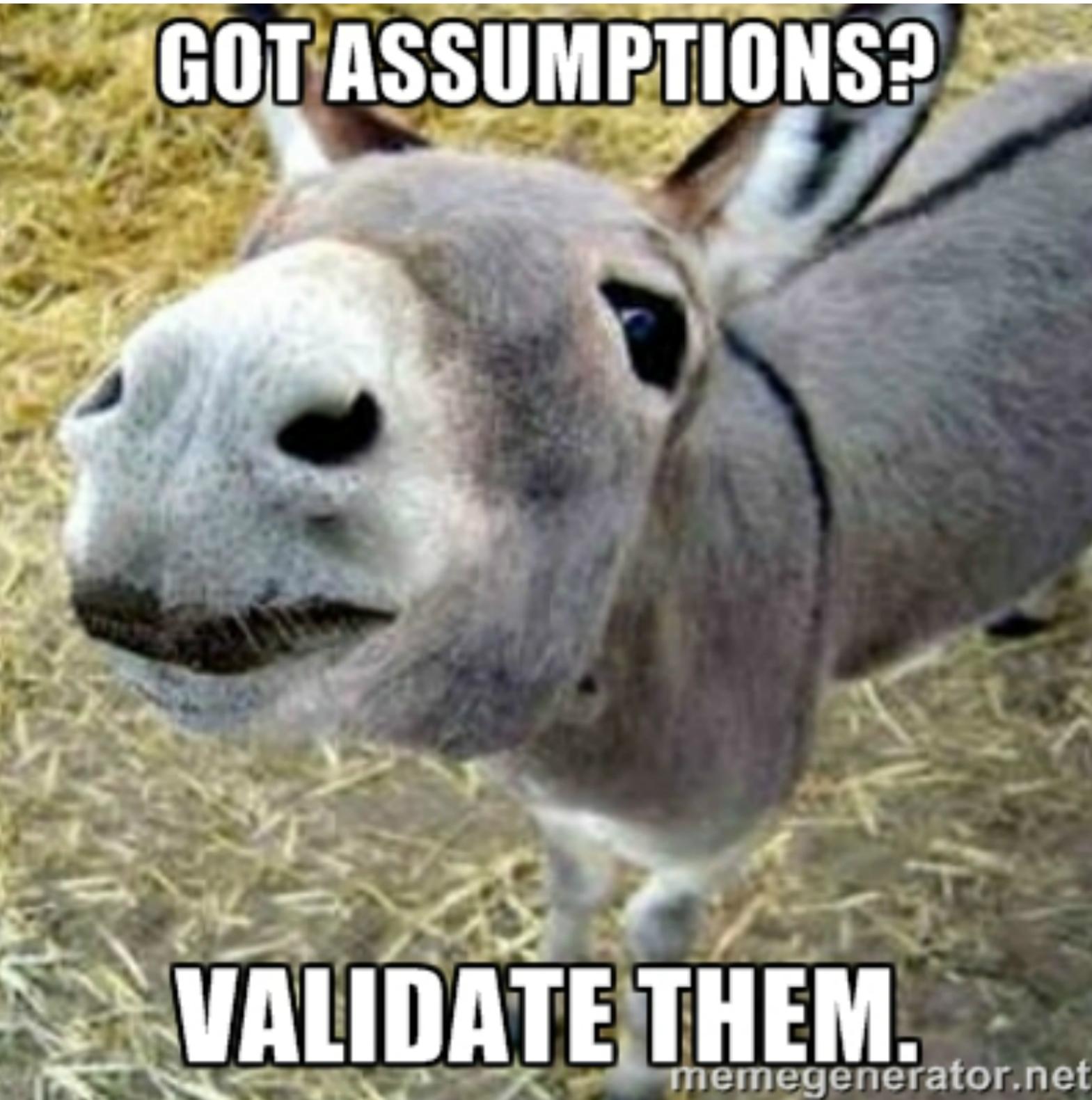
STOP BOMBING

REAL SIMPLE

BEAUTY
BUYS THAT
BEAUTY

SELF
Together We're Stronger

YES



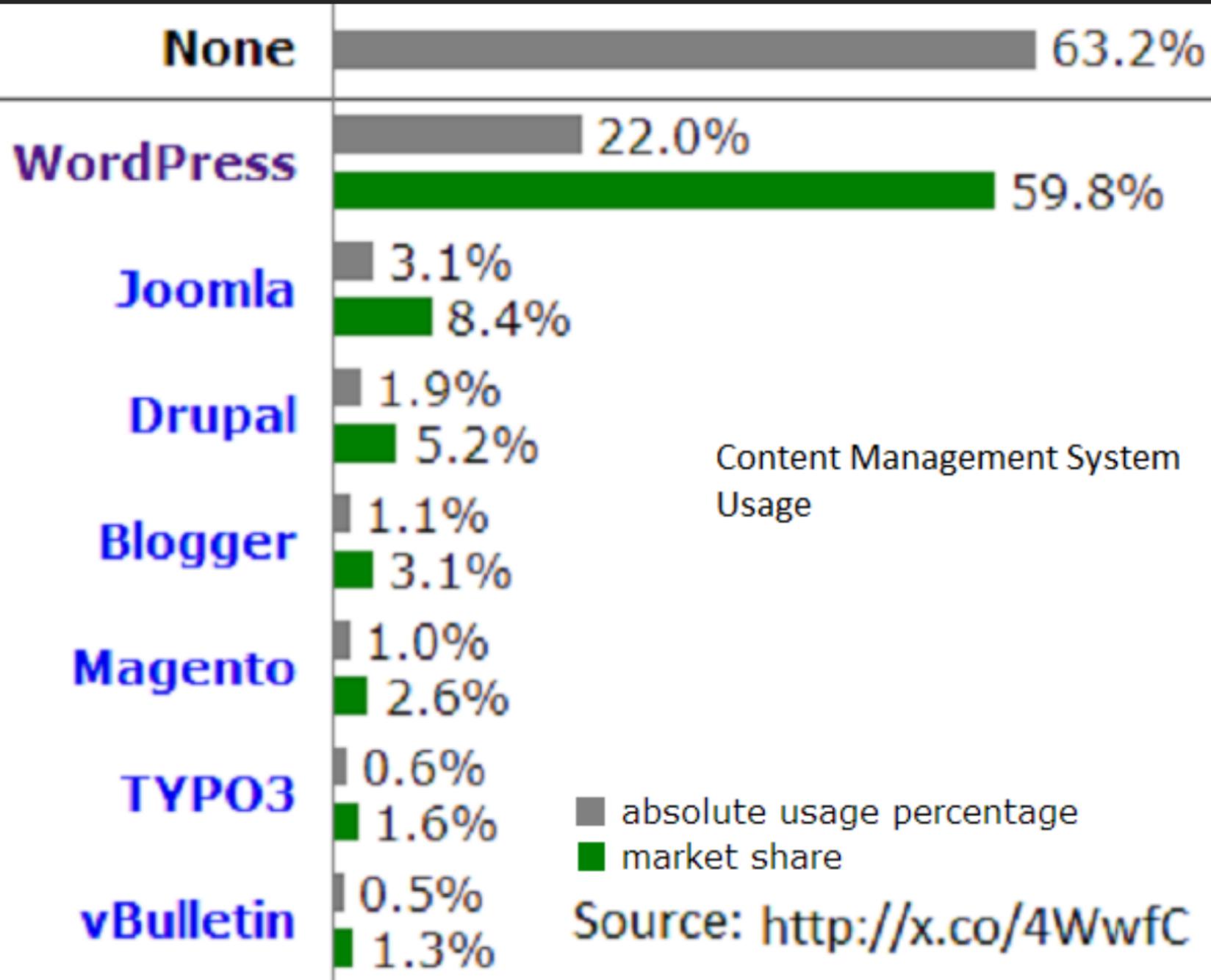
GOT ASSUMPTIONS?

VALIDATE THEM.





php



BEWARE OF

SLOW

PAGE



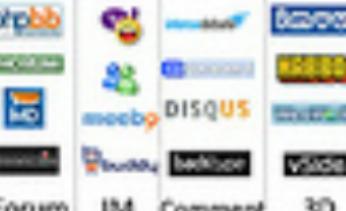
Social Media Landscape

Expressing

Publication



Discussion

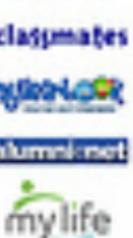


Aggregation

Feedburner socialthing! Technorati propulsive PLURK

Networking

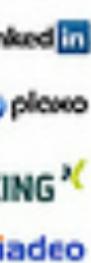
Search



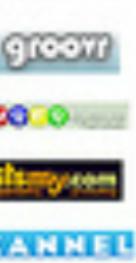
Niche



BtoB



Mobile



Tools



Social Platforms

facebook

friendster

babo

ortut

SKYROCK

myspace.com

hi5

Windows Live!

NETLOG

imsoon®

ICQ

lexade

MySpace

BUZZNET

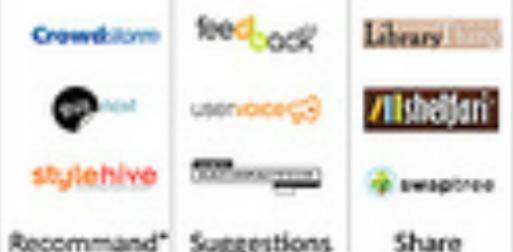
xanga

Zorpia.com

Content



Product



Place



Casual MMO



MOG



Sharing

Gaming





gone home

A Story Exploration Video Game

LOADING

Maybe you'd like a sandwich?

A horizontal progress bar consisting of a white rectangle on the left and a black rectangle on the right, separated by a thin vertical line. The white section is approximately one-third of the bar's length.

37%



widgets



More ▾

Meanings of Widget



Web widget, an applet intended to be used within web pages



GUI widget, in computer programming, a reusable element of a graphical user interface



Widget (beer), a device placed in cans and bottles of beer to aid in the generation of froth

Misc. (7)

In computing (4)

See also (1)

⌚ Gadgets & Widgets for Windows - Free downloads and reviews ...

The most downloaded Gadgets & **Widgets** software, including Core Temp Gadget, Sticky Notes, and XWidget

download.cnet.com/windows/gadgets-and-widgets/ More from download.cnet.com ▶

w Web widget - Wikipedia, the free encyclopedia

Widgets come in many shapes and sizes, but two of the major types today are Web **widgets** and Desktop **widgets**. Web **widgets** are intended for use on (embedding in) webpages and have major implications in areas such as site performance, SEO and even backlink campaigns.

en.wikipedia.org/wiki/Web_widget More from en.wikipedia.org ▶

⌚ Widget | Define Widget at Dictionary.com

widget definition 1. A meta-thing. Used to stand for a real object in didactic examples (especially database tutorials). Legend has it that the original **widgets** were holders for buggy whips.

dictionary.reference.com/browse/widget More from dictionary.reference.com ▶

apple Categories - Apple - Downloads - Dashboard

Your one-stop **widget** warehouse. You'll find thousands of **widgets**, most of them free. Play a game. Get a recipe. Check out the latest sports scores. The sky's the limit.

apple.com/downloads/dashboard/ More from apple.com ▶



**WHAT DO YOU MEAN
BY:**

WEB SCALING?

TRIP/OIL RESET

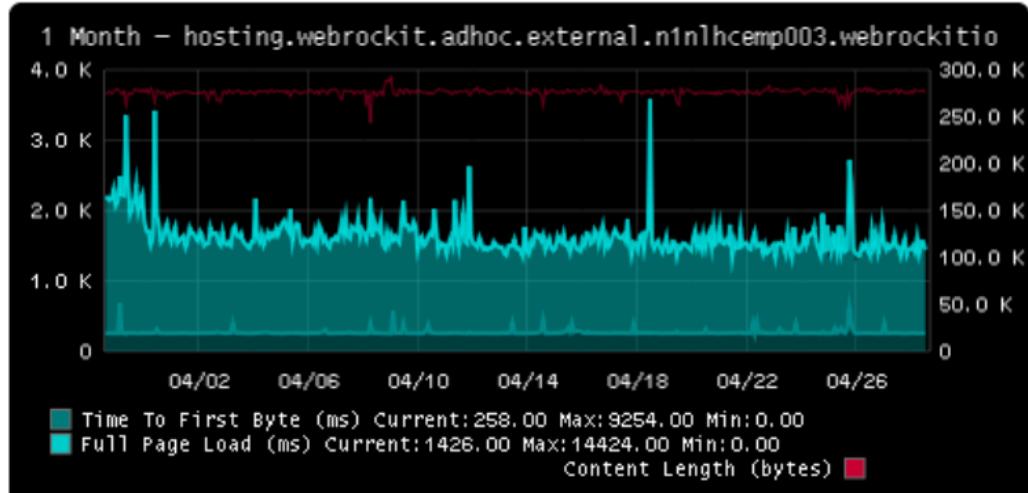
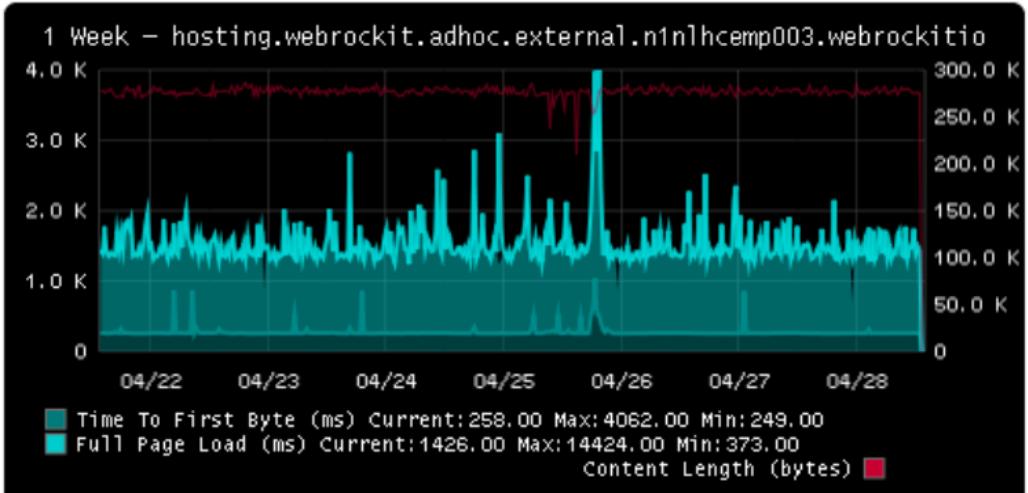
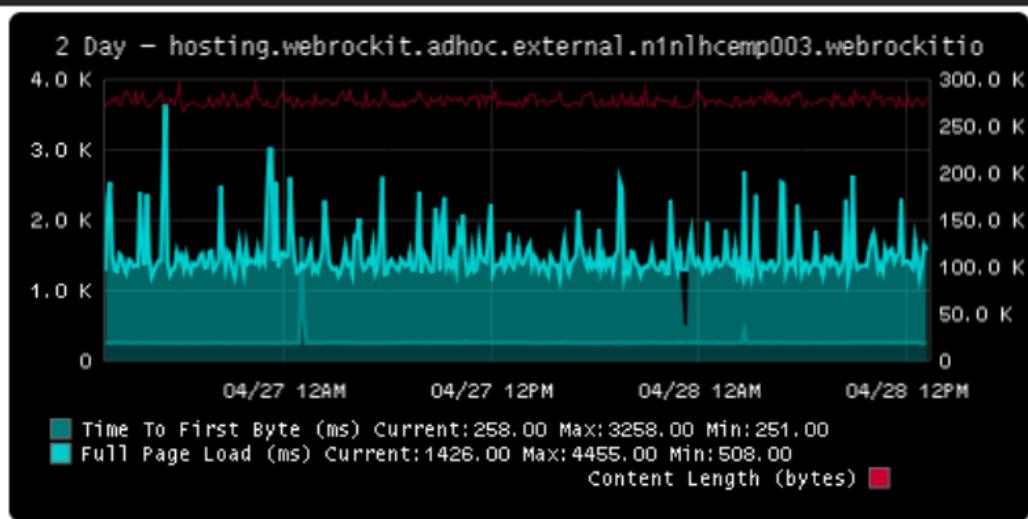
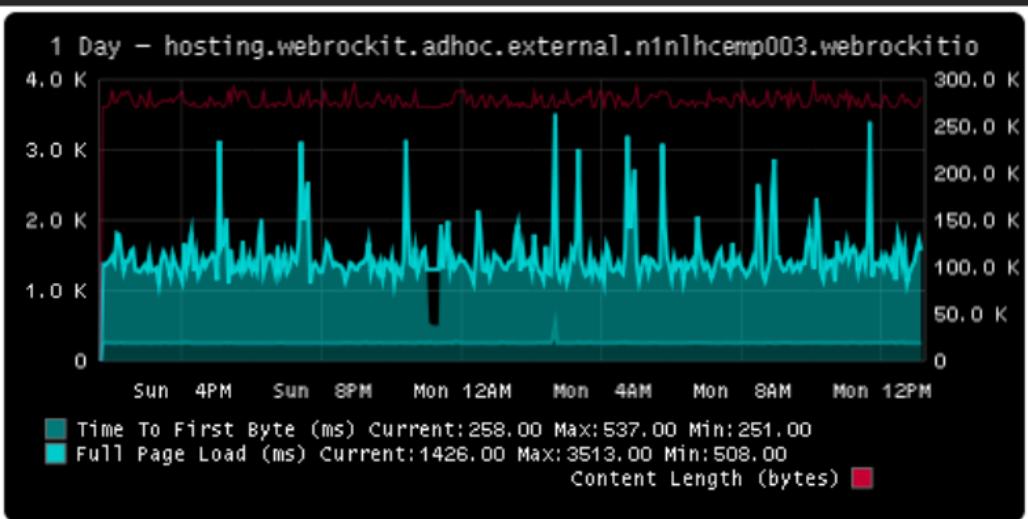
600083 MI
TRIP 959.9

B



HUH?

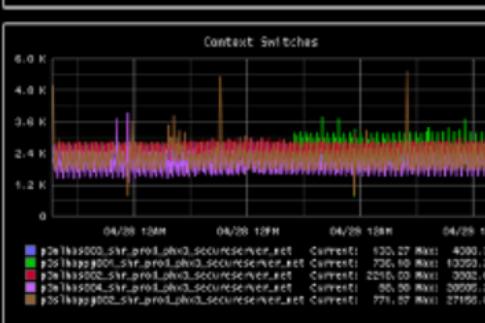
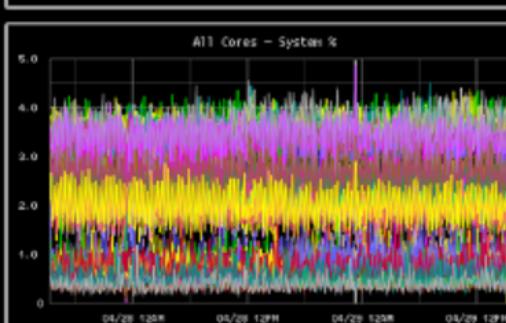
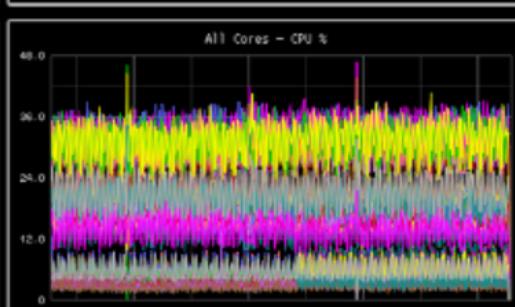
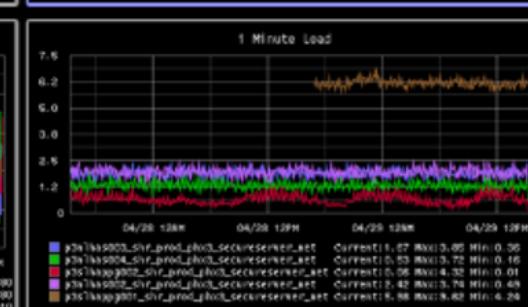
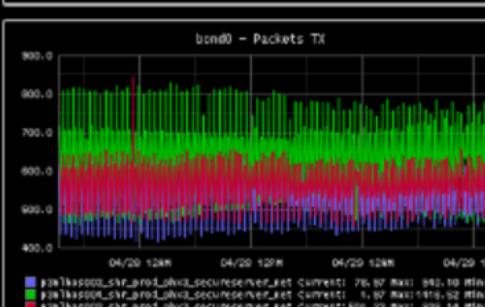
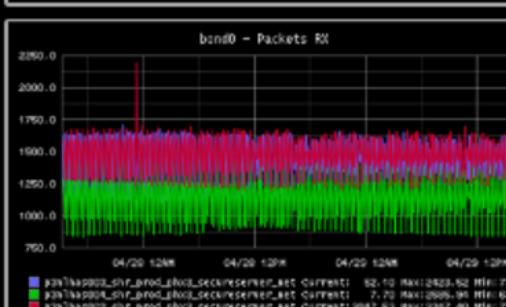
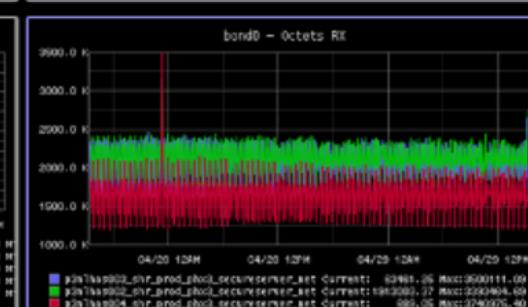






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TM

open source



ITS SCIENCE TIME.

THE AMAZING MEETING

memegenerator.net

An aerial photograph of a runway in a desert landscape. Several aircraft prototypes are scattered across the tarmac. In the center is a dark, sleek jet. To its left is a white and blue fighter jet with red stripes. To its right is a white and orange jet. In the foreground, there's a white and blue jet with 'U.S. NAVY' markings, a small white and black plane, and a yellow and black biplane. A small white vehicle is parked on the runway. The word 'FIRE' is visible on the ground.

**FAIL EARLY AND
INEXPENSIVELY:**

CREATE A PROTOTYPE.



PhantomJS

[SOURCE CODE](#)

Full web stack No browser required

PhantomJS is a headless WebKit scriptable with a JavaScript API. It has **fast** and **native** support for various web standards: DOM handling, CSS selector, JSON, Canvas, and SVG.

[Download v1.9](#)[Get started](#)







WebRockit In Action

The PHP logo consists of the letters "php" in a bold, black, sans-serif font, enclosed within a light blue oval with a dark blue border.

php

The MySQL logo features the word "MySQL" in a large, bold, sans-serif font. The letters are split into two colors: "My" is in blue and "SQL" is in orange. A registered trademark symbol (®) is located at the top right of the "L".

MySQL®

Checks

Metrics

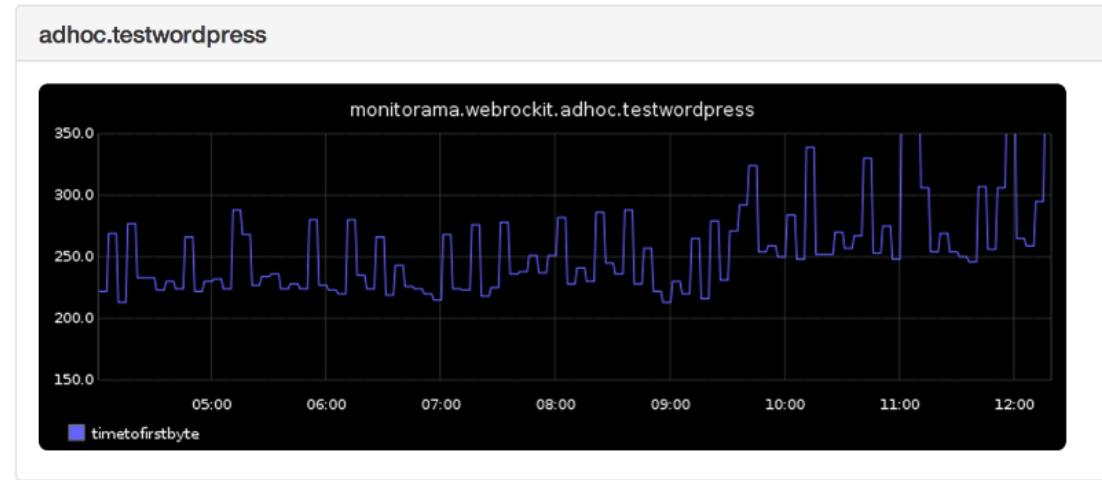
Graph Attributes

From

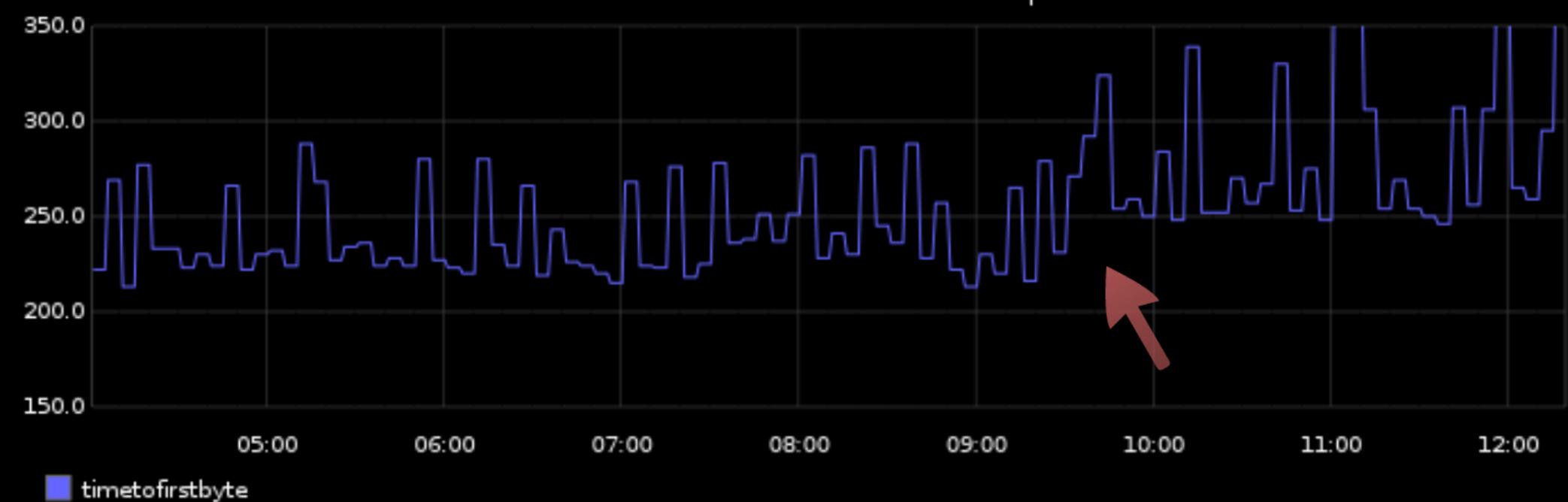
To

Y-Min

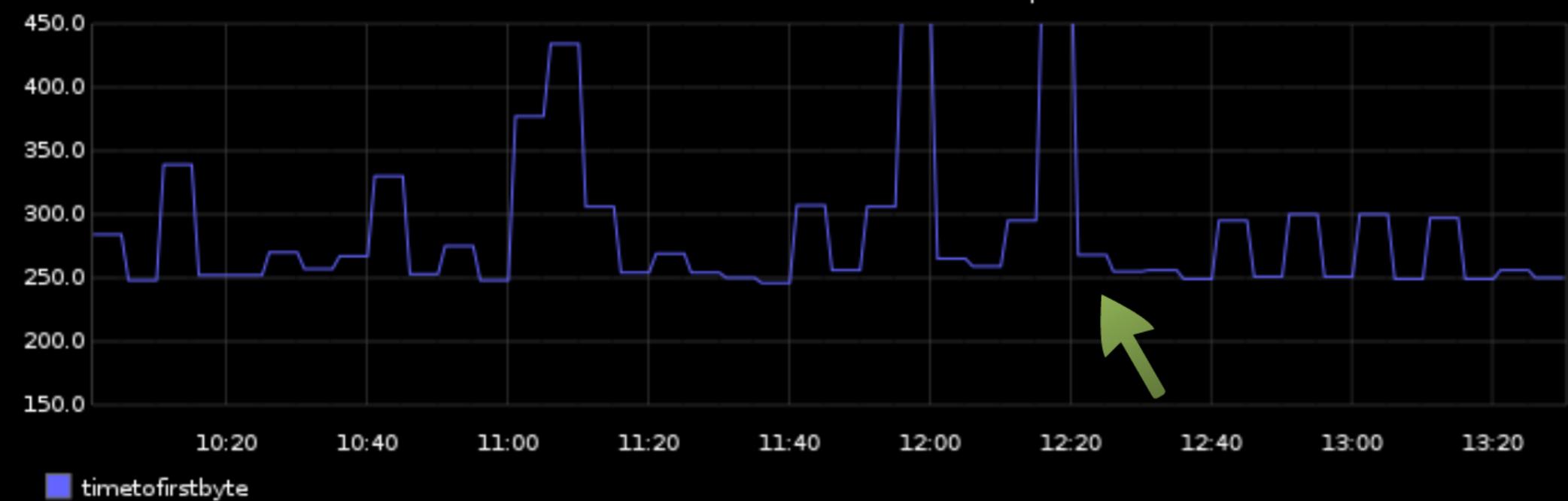
Y-Max



monitorama.webrocket.adhoc.testwordpress



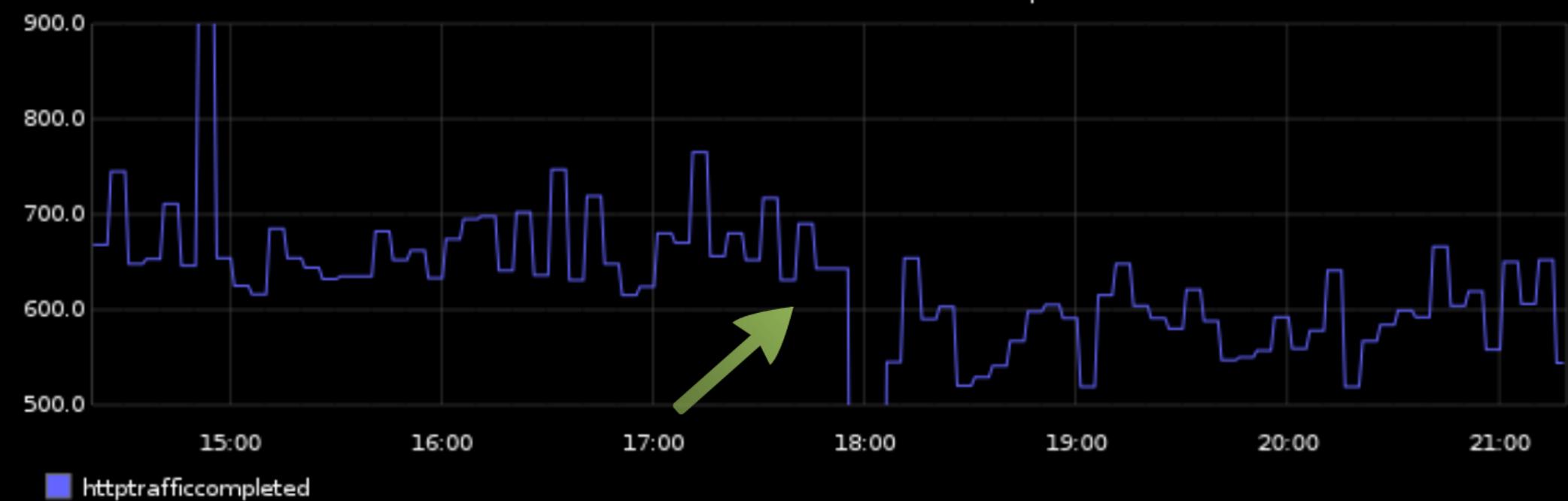
monitorama.webrocket.adhoc.testwordpress



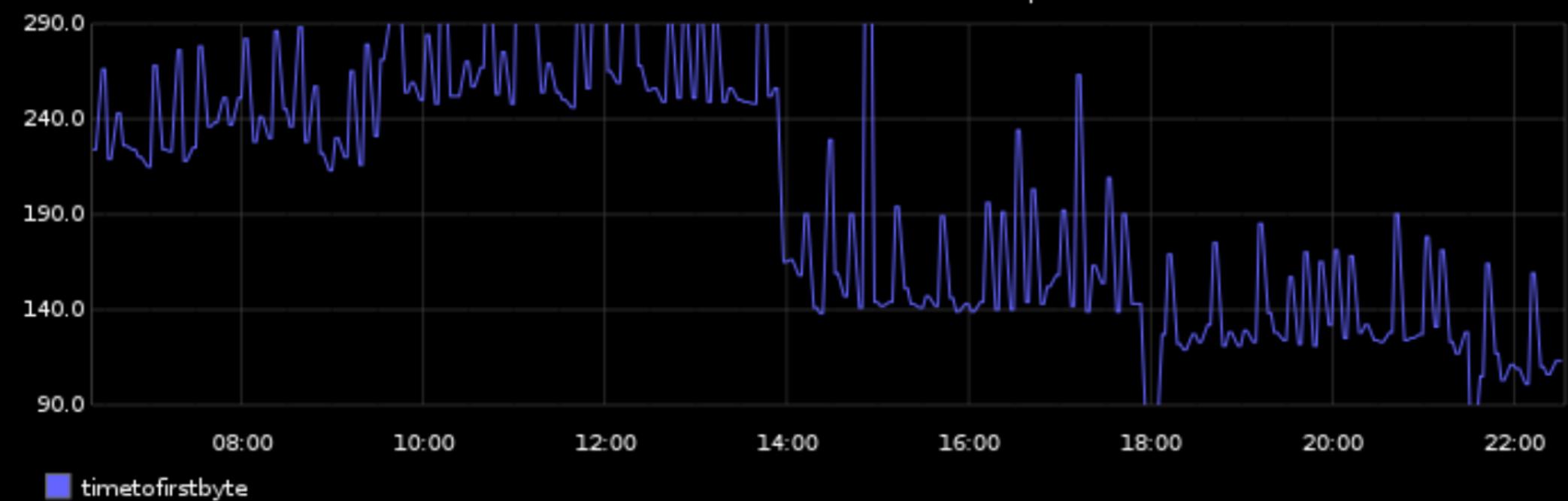
monitorama.webrocket.adhoc.testwordpress



monitorama.webrocket.adhoc.testwordpress



monitorama.webrocket.adhoc.testwordpress



WebRockit Components



WebRockit API

- Simple REST service
- Written in Ruby
- Uses Riak for storing check info
- Source of truth for WebRockit

The logo features a stylized red bird with a yellow beak and black outlines, positioned to the left of the text.

JRuby



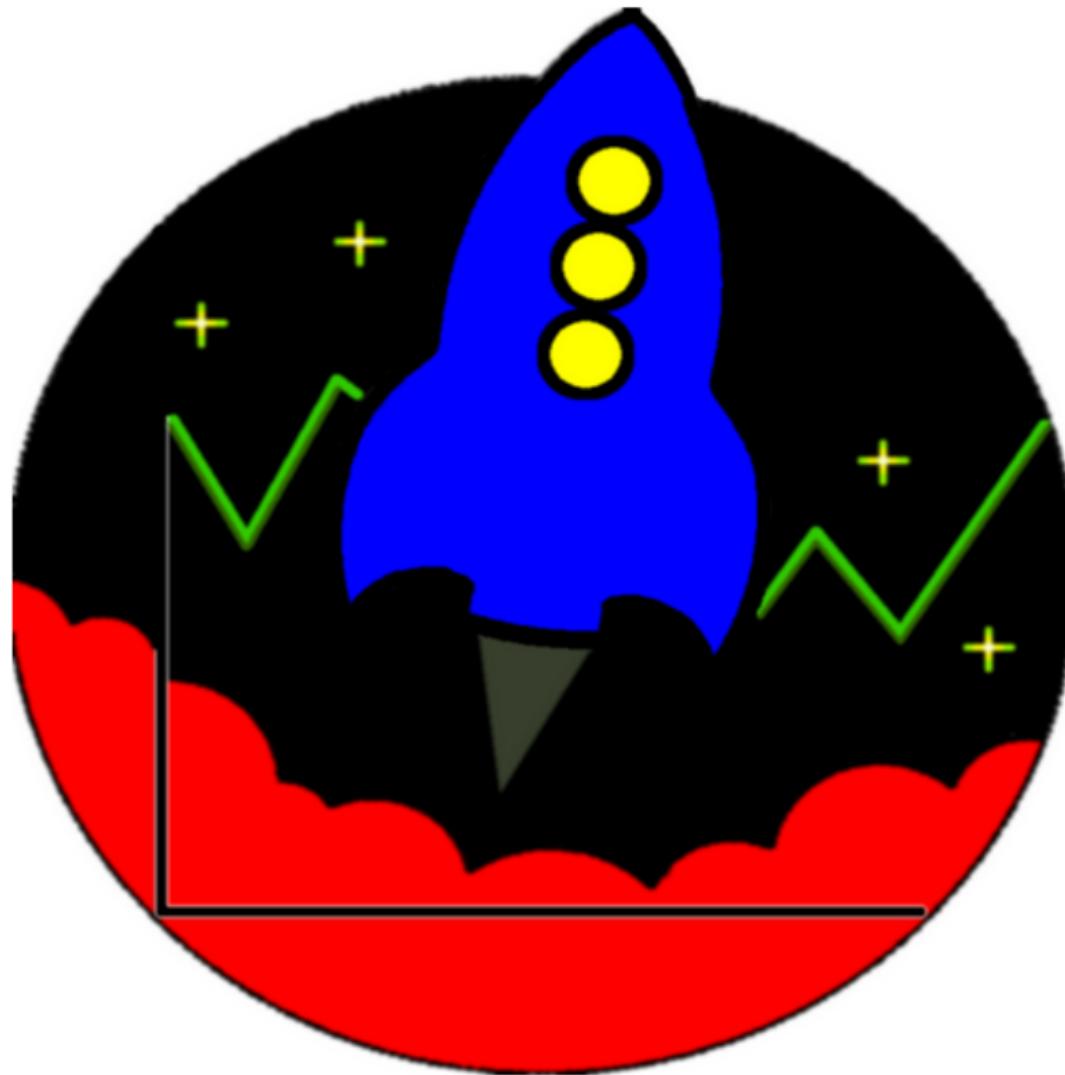
WebRockit *Checksync*

- Uses WebRockit API as a data source
- Writes checks to disk for Sensu
- Handles Sensu restarts

Graphite

[Login](#) [Documentation](#) [Dashboard](#) [flot](#) [events](#)





Name

somepoller

Description

some poller inside my network..]

Create

Manage

Poller	Description	Actions
aws_east_poller	AWS East Poller	 Delete
aws_west_poller	AWS West Poller	 Delete
do_east_poller	Digital Ocean East	 Delete
internal_poller	Some Poller in our network	 Delete

Name

sometype

Description

some type to put my checks into

Create

Manage

Type	Description	Actions
adhoc	adhoc type for adhoc checks	 Delete
competitor_urls	Competitor Assets	 Delete
internal_checks	Checking Assets within our network	 Delete
landing	type for landing pages	 Delete



adhoc ▾

competitor_urls ▾

Create Check

Manage Checks

List

Spot Check

Graph Explorer

Type

landing

Name

landing.awseast.getbootstrap

Run Interval (s)

300

Poller

aws_east_poller

Application

bootstrap

Url

http://getbootstrap.com/

IP Address**Override (optional)**

none

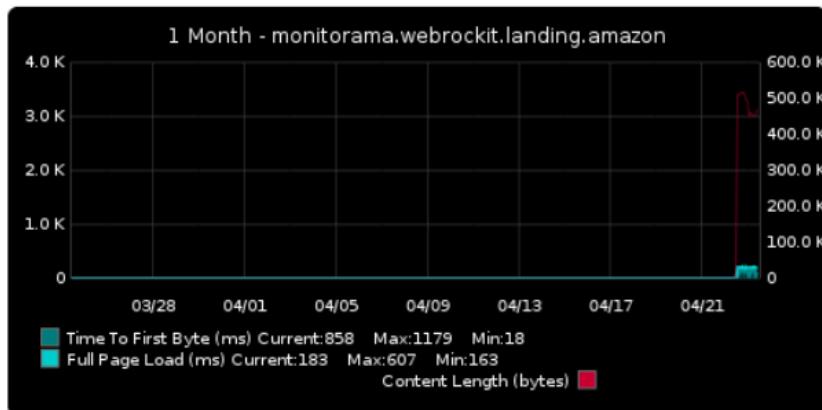
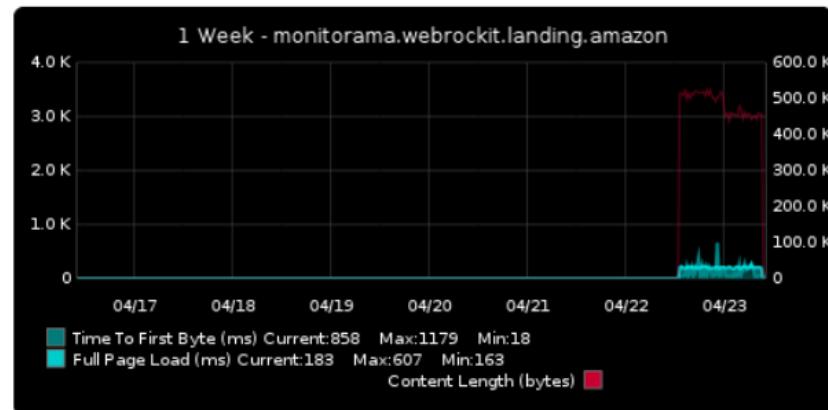
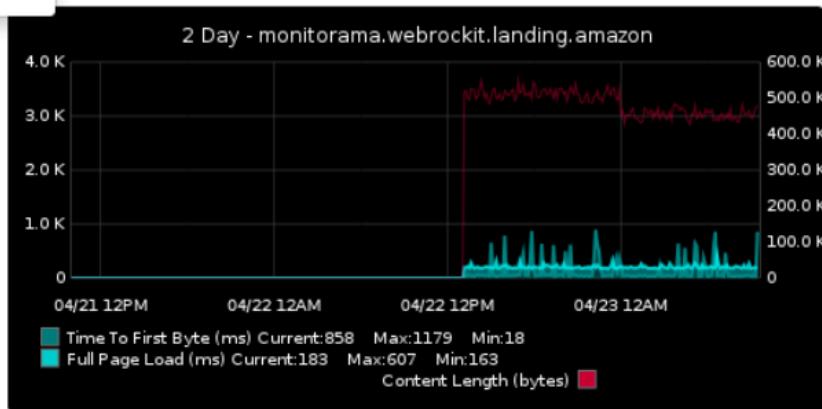
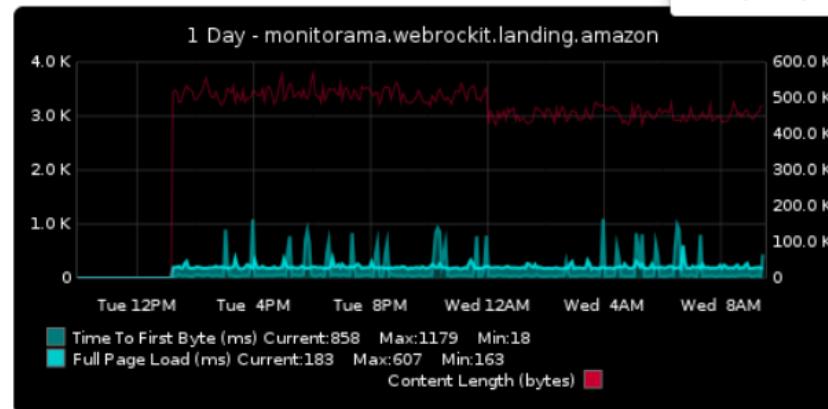
Create

Manage landing checks

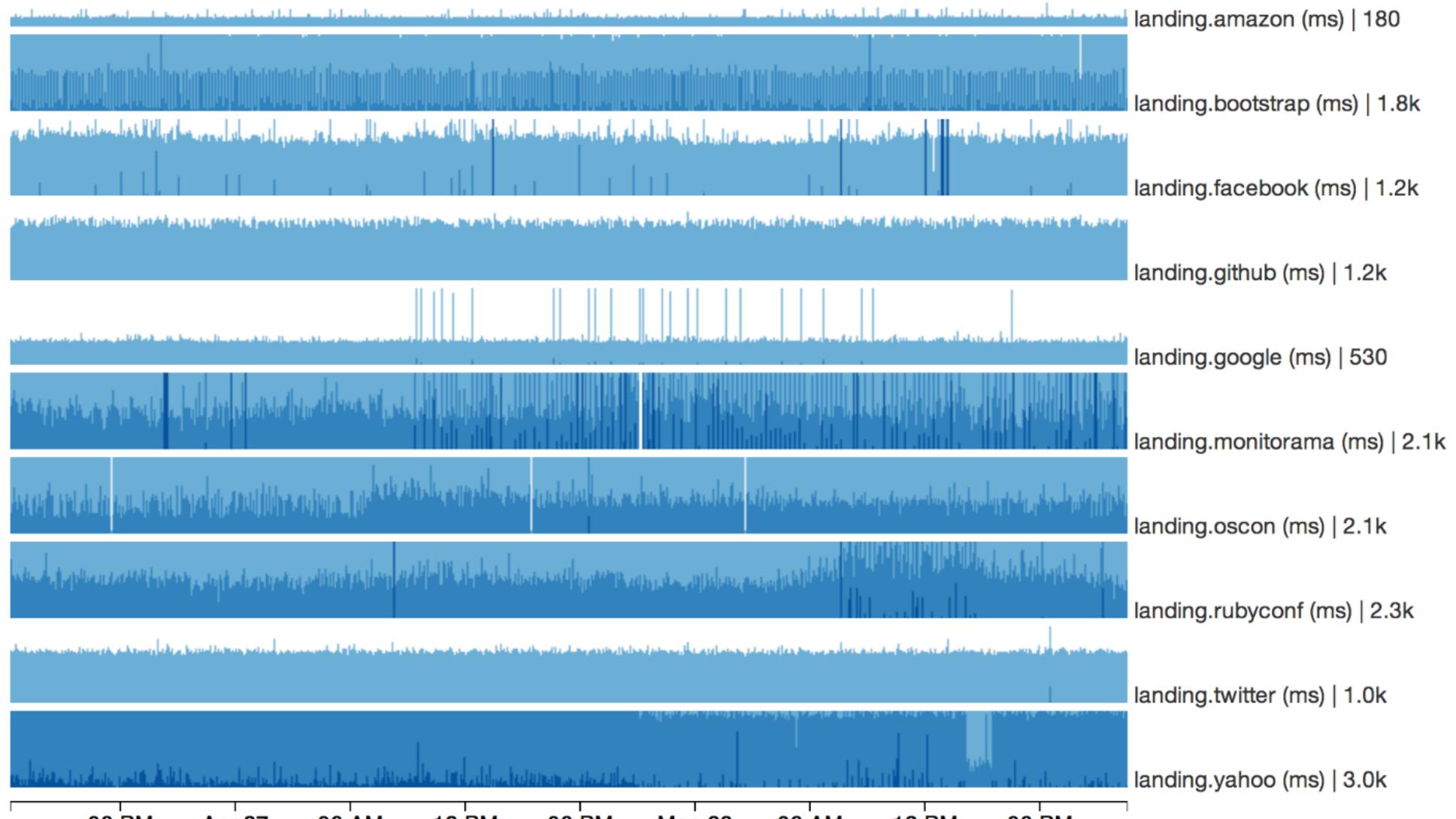
Name	Command	Interval	Subscribers	Actions
landing.amazon	/opt/phantomjs/collectoids/webrocket-poller.rb --url http://www.amazon.com/	300	["webpoller", "webrocket", "webrocket-api"]	<button>Delete</button>
landing.bootstrap	/opt/phantomjs/collectoids/webrocket-poller/webrocket-poller.rb --url http://getbootstrap.com/	300	["webpoller", "webrocket", "webrocket-api"]	<button>Delete</button>
landing.facebook	/opt/phantomjs/collectoids/webrocket-poller/webrocket-poller.rb --url https://www.facebook.com/	300	["webpoller", "webrocket", "webrocket-api"]	<button>Delete</button>
landing.github	/opt/phantomjs/collectoids/webrocket-poller/webrocket-poller.rb --url https://github.com/	300	["webpoller", "webrocket", "webrocket-api"]	<button>Delete</button>
landing.google	/opt/phantomjs/collectoids/webrocket-poller/webrocket-poller.rb --url https://www.google.com/	300	["webpoller", "webrocket", "webrocket-api"]	<button>Delete</button>
landing.monitorama	/opt/phantomjs/collectoids/webrocket-poller/webrocket-poller.rb --url http://monitorama.com/	300	["webpoller", "webrocket", "webrocket-api"]	<button>Delete</button>
landing.oscon	/opt/phantomjs/collectoids/webrocket-poller/webrocket-poller.rb --url http://www.oscon.com/oscon2014	300	["webpoller", "webrocket", "webrocket-api"]	<button>Delete</button>
landing.rubyconf	/opt/phantomjs/collectoids/webrocket-poller/webrocket-poller.rb --url http://rubyconf.org/	300	["webpoller", "webrocket", "webrocket-api"]	<button>Delete</button>
landing.twitter	/opt/phantomjs/collectoids/webrocket-poller/webrocket-poller.rb --url https://twitter.com/	300	["webpoller", "webrocket", "webrocket-api"]	<button>Delete</button>
landing.yahoo	/opt/phantomjs/collectoids/webrocket-poller/webrocket-poller.rb --url https://www.yahoo.com/	300	["webpoller", "webrocket", "webrocket-api"]	<button>Delete</button>

« 1 »

webpoller | landing.amazon



06 PM Apr 27 06 AM 12 PM 06 PM Mon 28 06 AM 12 PM 06 PM



06 PM Apr 27 06 AM 12 PM 06 PM Mon 28 06 AM 12 PM 06 PM

Checks

landing.twitter landing.github

Metrics

timetofirstbyte httptrafficcompleted

Graph Attributes

From

To

Y-Min

Y-Max



Checks

land

land

landing.amazon

landing.bootstrap

landing.facebook

landing.github

landing.google

landing.monitorama

To

2014-04-30 14:22

Y-Min

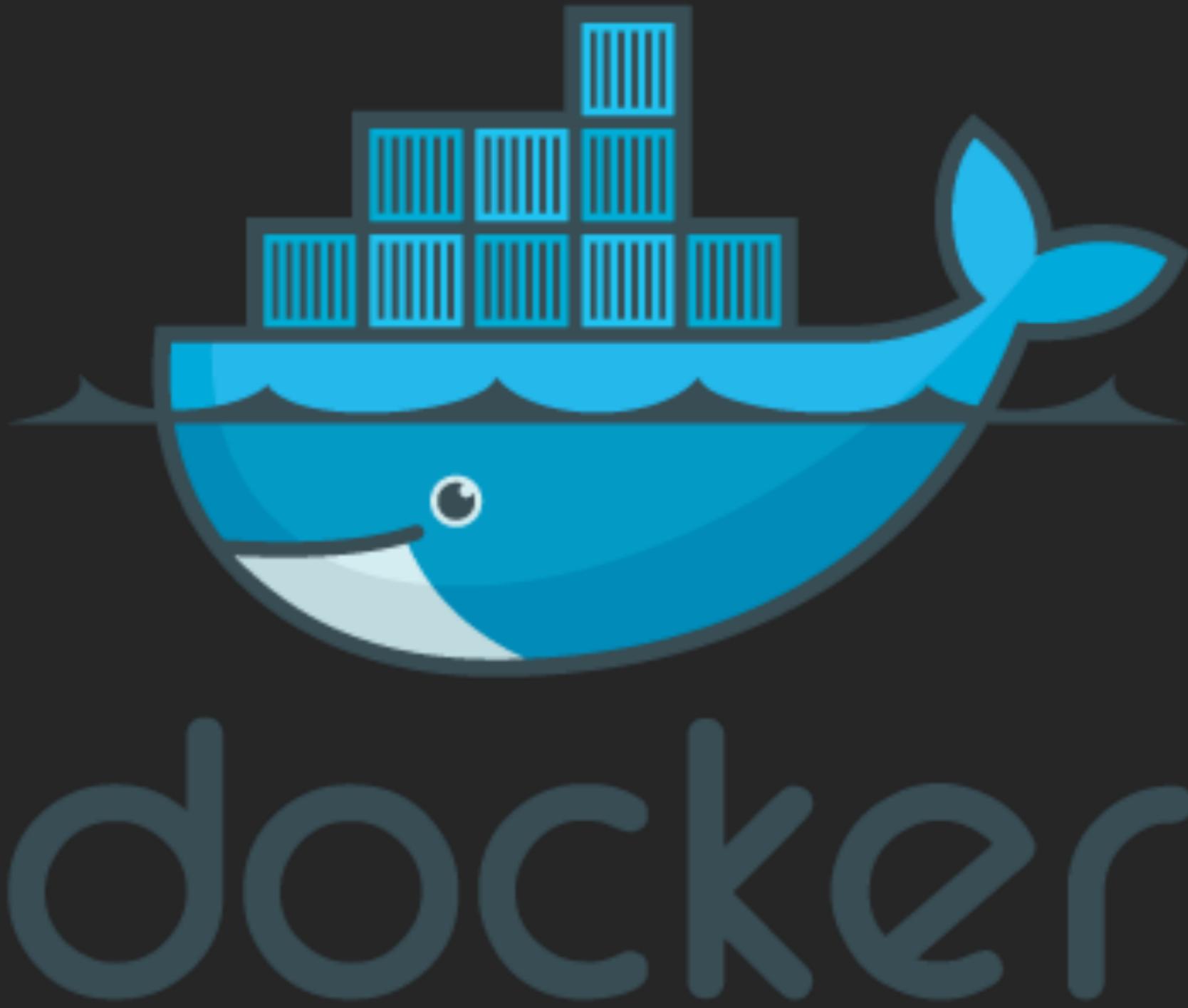
Y-Max

Submit



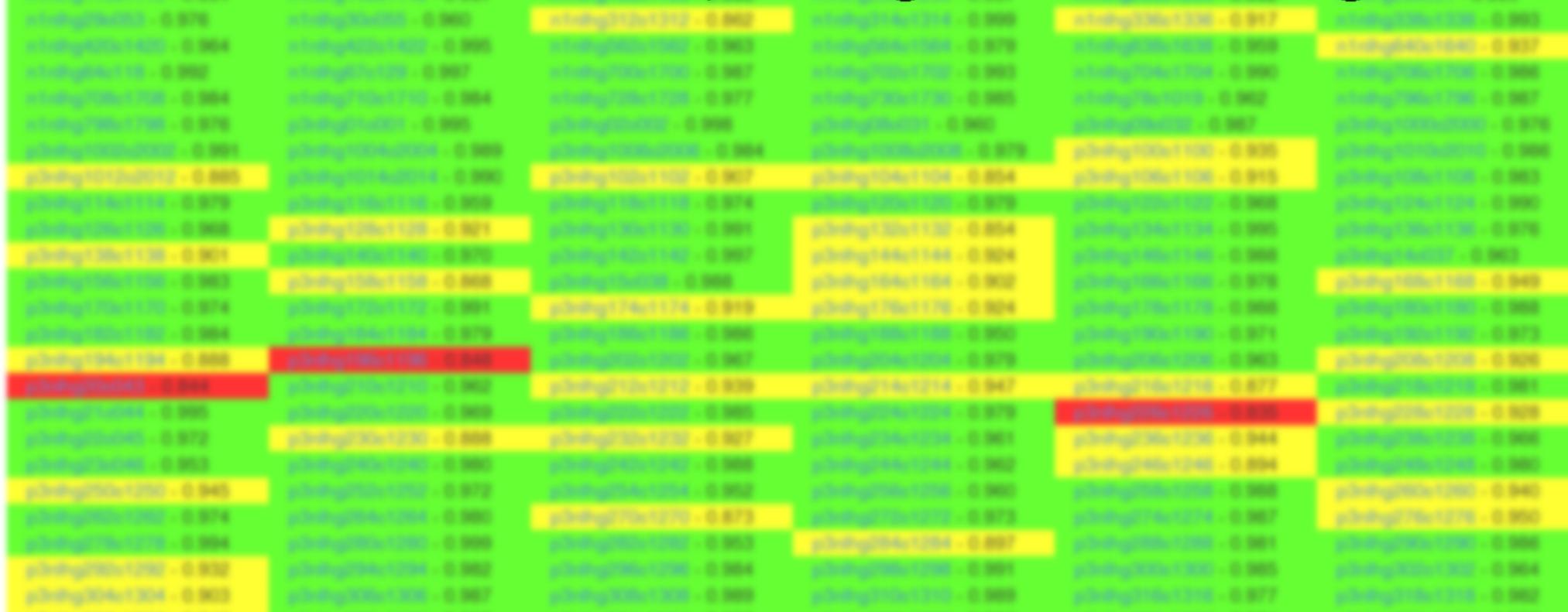
Whats Next?





Heatmap Mock Up

Last 8 Hours 95th Percentile, Full Page Load For All Target URLs



Events Count

4 total | 4 critical | 0 warning | 0 unknown

Filter...



Client

Check

Output

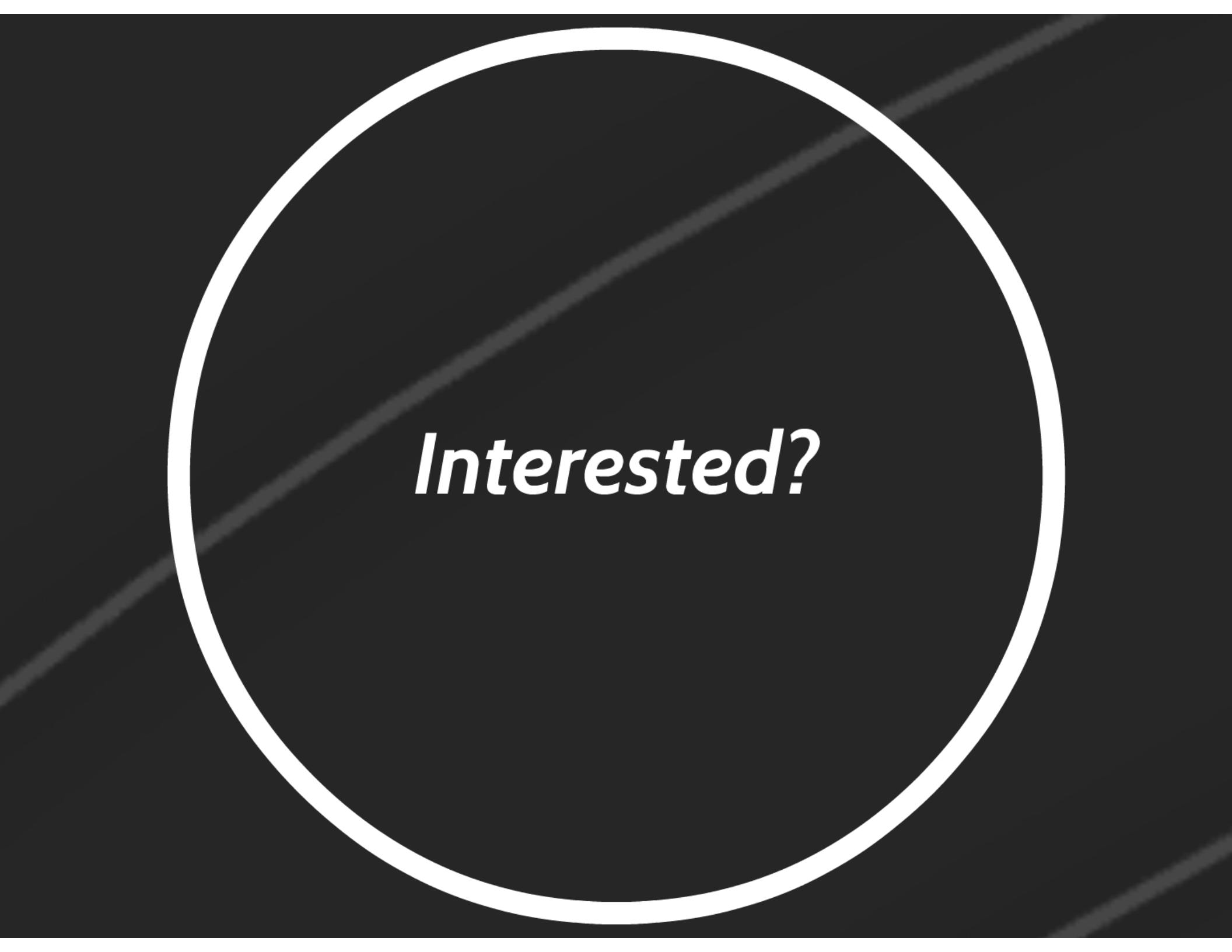
	<img alt="pending icon" data-bbox="45 86

The screenshot displays a complex business intelligence dashboard titled "Coffee Sales". The interface includes:

- Header:** "Sales" and "Coffee Sales".
- Left Sidebar:** Navigation links for Home, Reports, Orange, Middle East, Africa, Latin America, and North America.
- Top Left:** A chart titled "Country Sales" showing monthly sales from January to December.
- Top Right:** A grid of tables for "Product Sales", "Customer", "Order Status", and "Order Details".
- Middle Left:** A section titled "JReport" featuring "Actual vs Plan by Month" (line chart), "Profit by Region" (pie chart), and "Actual vs Plan by Product" (two donut charts).
- Middle Right:** Three speedometer-style KPI gauges labeled "Revenue", "Profit", and "Sales".
- Bottom Left:** Two horizontal bar charts for "Sales" and "Profit" across categories like "Orange", "Middle East", "Africa", "Latin America", and "North America".
- Bottom Right:** A table titled "Sales by Product Category" with columns for "Category", "Actual Sales", "Plan Sales", "Difference", and "% Diff".
- Bottom Center:** A large table showing detailed sales data for each product category.







Interested?

Home Notifications # Discover Me Search

Tweets >

Following >

Followers >

Favorites >

Lists >

Tweet to WebRockit
@webrocket

Photos and videos >



WebRockit
@webrocket FOLLOW YOU

WebRockit uses a headless web browser to measure how fast web pages load, relative to what a real user might experience.

webrocket.io

./ webrockit.io

 View source on GitHub

 View Packages

 Follow us on Twitter

✓ Like

Share

You, Bryan O'Neal and 36 others others like this.



>> [Setup Docs](#)

>> Quickstart UI/API Install

```
curl -L http://x.co/wrapiuic6 | bash -s stable
```

>> Quickstart CheckSync (Sensu Server) Install

```
curl -L http://x.co/wrchecksyn | bash -s stable
```

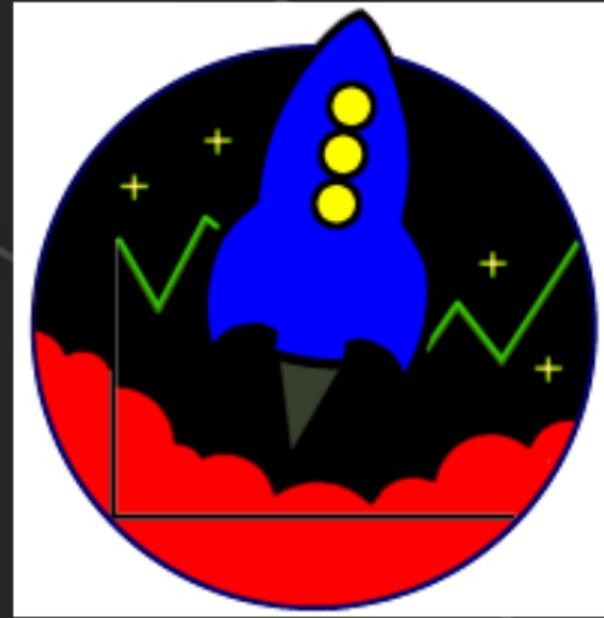
>> Quickstart Poller (Sensu Client) Install 

```
curl -L http://x.co/wrclientc6 | bash -s stable
```

Welcome to the Github pages for WebRockit



WebRockit uses a headless web browser to measure how fast web pages load, relative to what a real user might experience. WebRockit also captures interesting metrics about the page load (time to first byte, number of assets, size of response, etc) and can draw some time-series graphs using that data. WebRockit is intended for periodic collection of this data, but is not intended to stress test a web host. WebRockit combines the scalability of [Sensu](#), the accessibility of [Graphite](#), backed by the reliability of [WebKit](#). WebRockit is



WebRockit.io

*Mike McLane (@xyntrix)
Joe Crim (@josephcrim)*

Thank you!

