MTU LUG
GENERAL MEETING 3/26/15

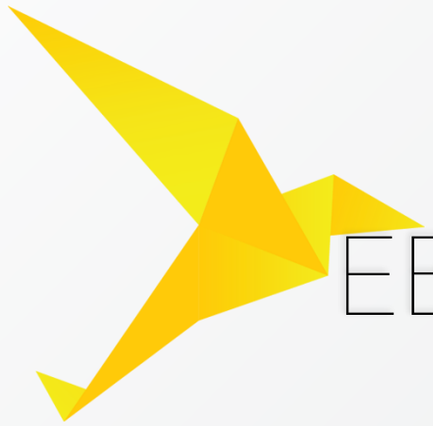
T-SHIRTS!!!

You must have filled out the survey!

$9 per shirt

Come get 'em!

LUG BOOKSHELF



EBOARD NOMINATIONS

Officially open!

Email lug-l@mtu.edu

Include their name and the position

Nominee’s MUST reply accepting or declining the position

You may nominate yourself

EBOARD POSTIONS

President	Runs Org, Meetings, and etc.
Vice President	Backup to the President
Treasurer	Manage the money. Budget.
Secretary	Meeting Minutes
Public Relations	Advertising, promoting LUG
Server Admin Team (3)	Servers, Servers, and more Servers

SERVER STATUS :: STATUS.LUG.MTU.EDU

Tier 1 ArchLinux Mirror!

MTU Email Relay - Whitelist

KVM Upgrade Cable was wrong

New one sent out

Replacement 3TB has been delivered

Migrating Data - EXT4 32bit Limit

Reinstalling Kibana/Logstash/ElasticSearch

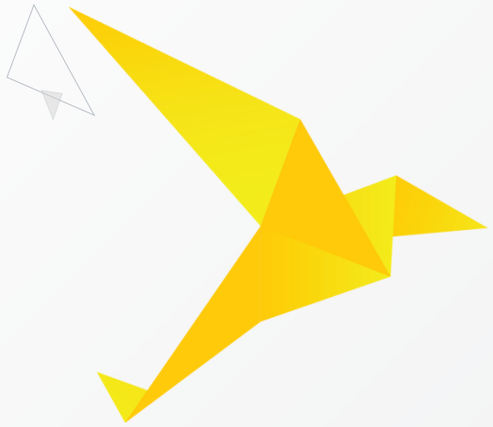
LINUX NEWS

New SteamOS Beta - Kernel 3.15, Nvidia Drivers 346

pfsense 2.2.1 - Mostly bug fixes

https://telegram.org - Secure Messaging App, Cross Platform

WHAT DID YOU BREAK THIS WEEK ?



WEEKLY PRESENTATION

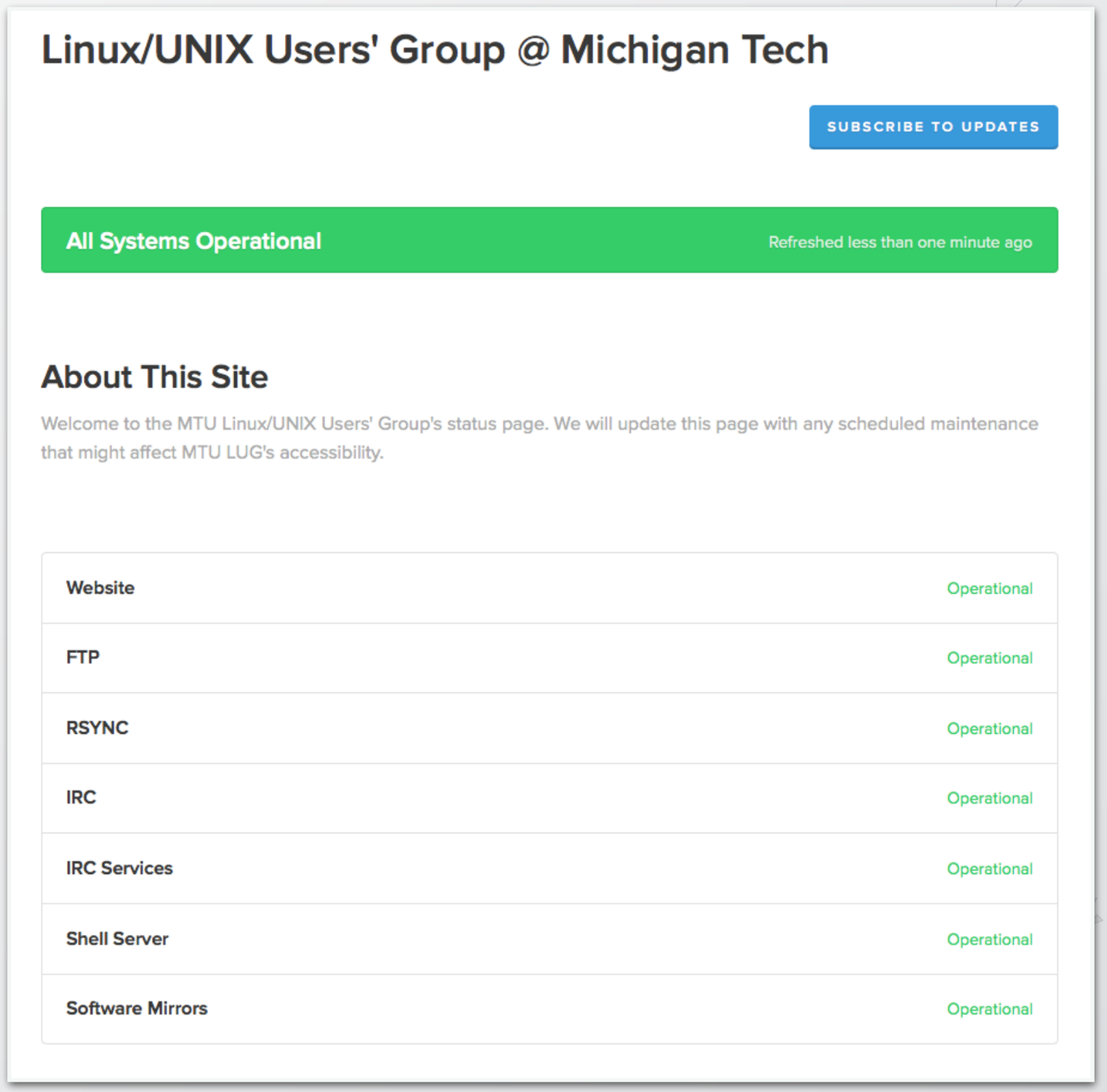
MONITORING @ MTU LUG

By: Jared Ledvina

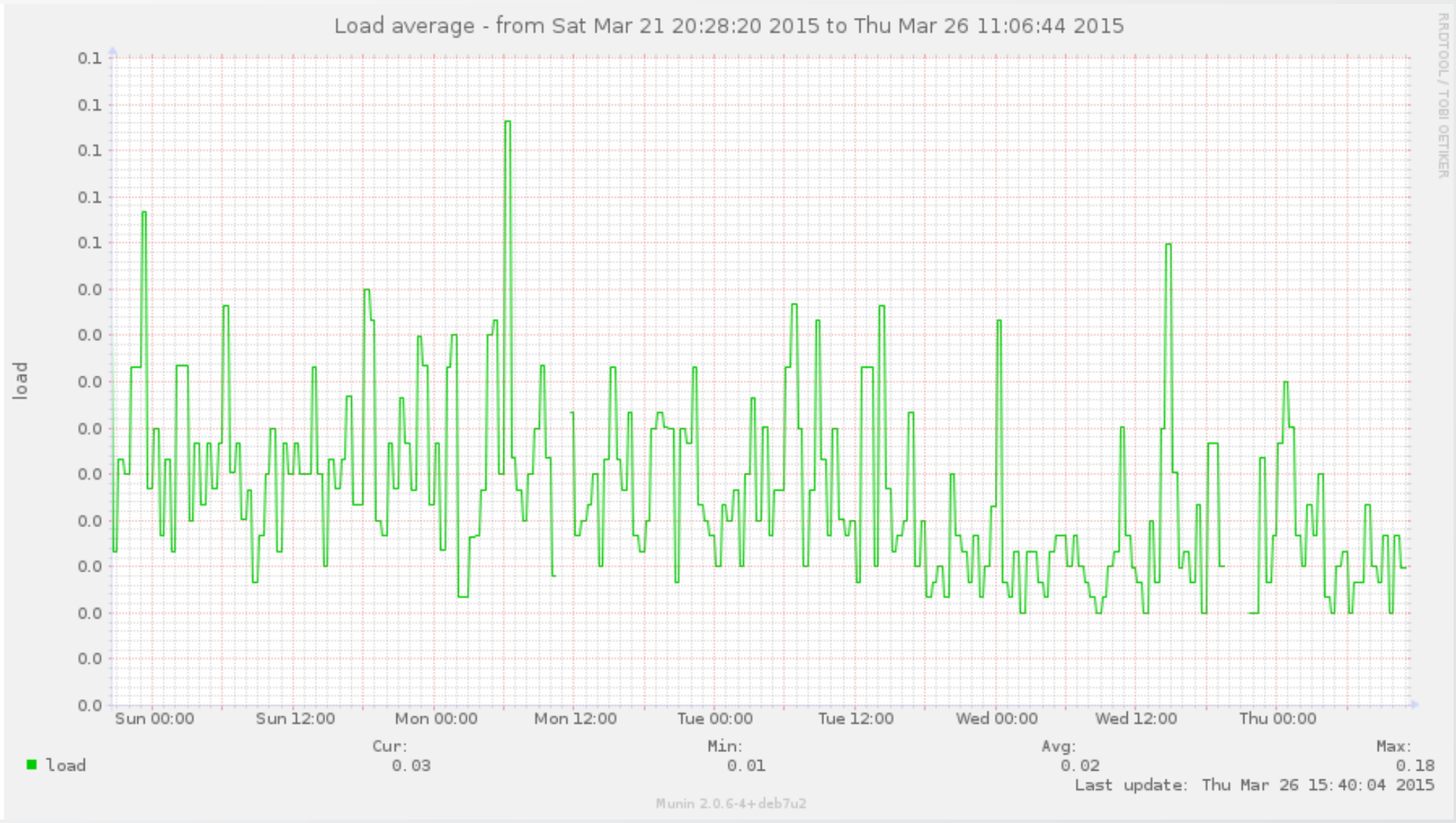
STATUS.LUG.MTU.EDU

Hosted on StatusPage.io

Free from the CEO!

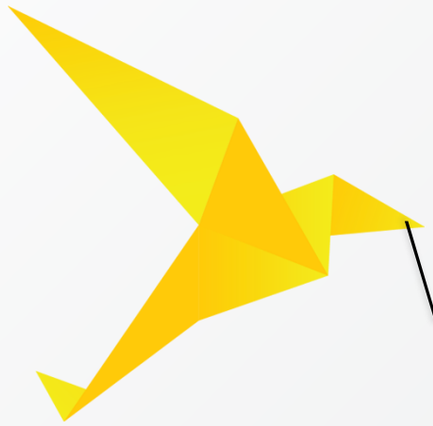


LUG.MTU.EDU/MUNIN



SENSU

SensuApp.org



WHAT IS SENSU?

Open Source Monitoring 'Router'

Written in Ruby

Can use existing Nagios Checks

Omnibus packages available for quick installation

Companies using Sense: Yelp, DNSimple, Paperless Post,
Pantheon, and many others

HOW IS SENSU DIFFERENT?

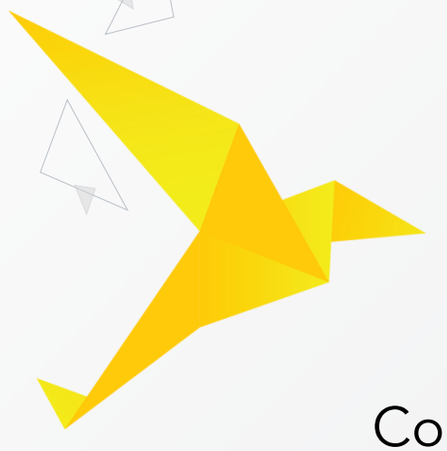
Easy scaling

Separate parts all doing '1' thing well

Dynamic nodes and master hosts

Designed for modular and changing environments

BASIC COMPONENTS



Core

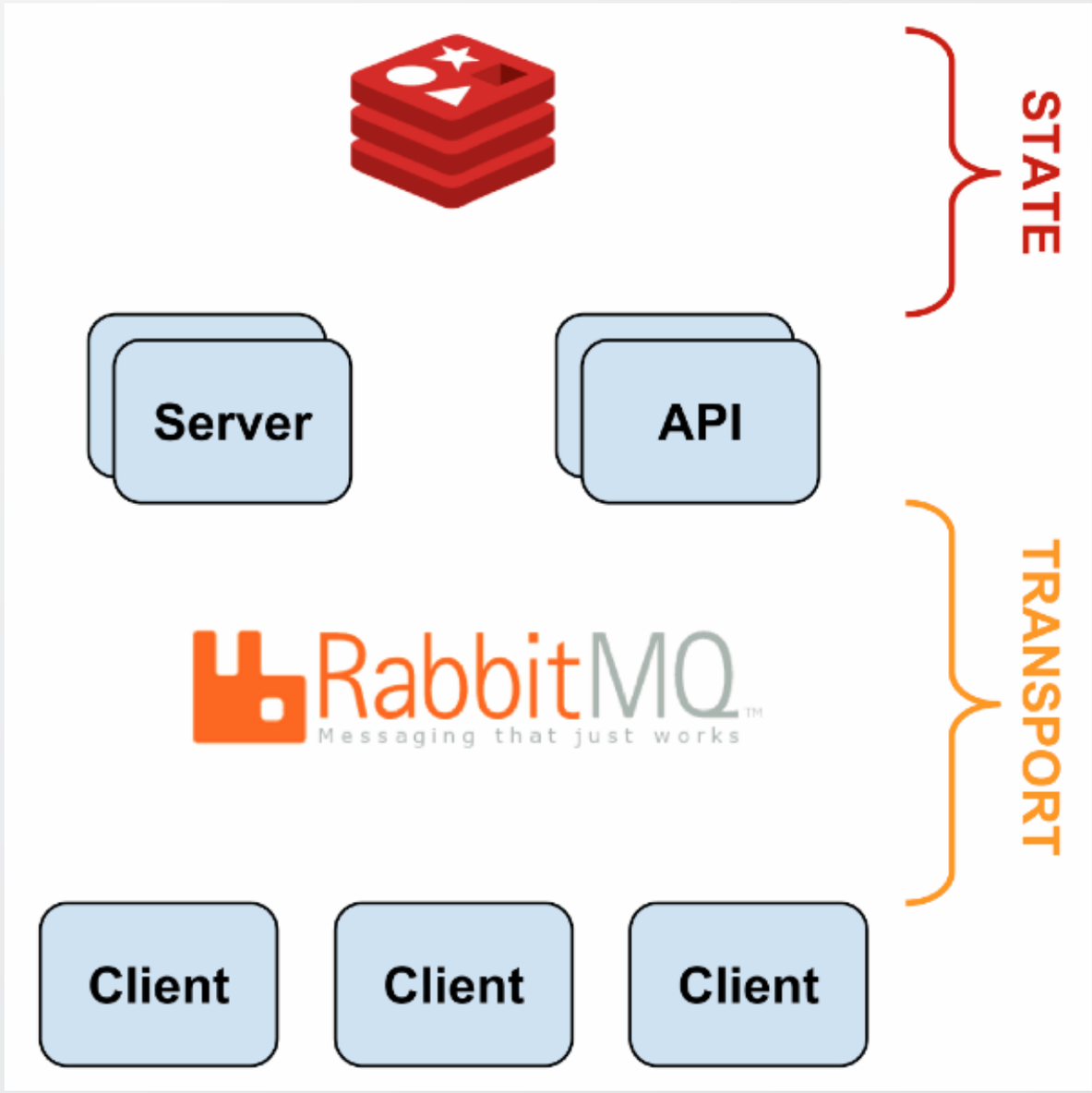
API

Messaging Queue

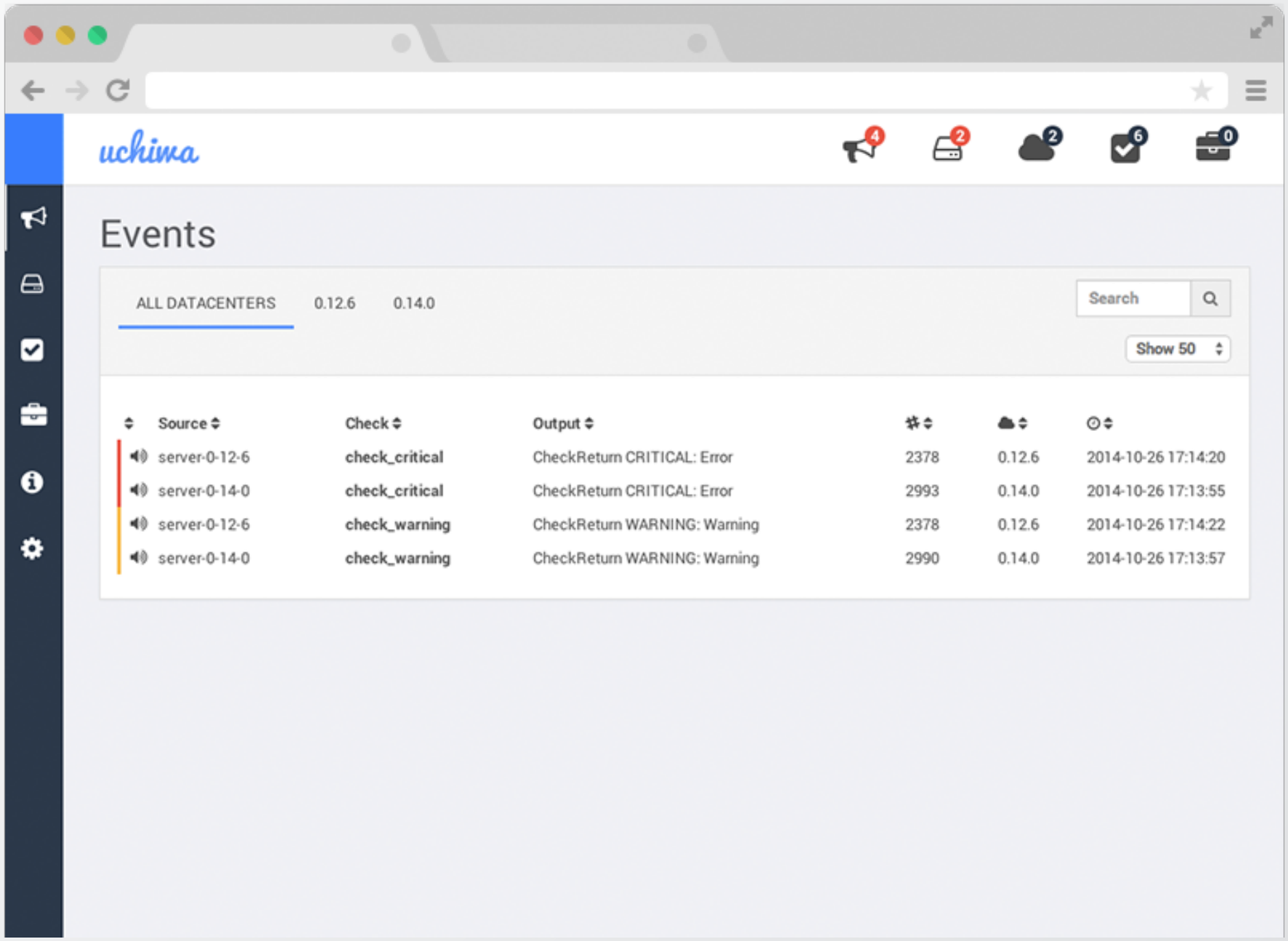
Client

UI

Graphs



UCHIWA


uchiwa
4
2
2
6
0
Events
ALL DATACENTERS
0.12.6
0.14.0
Search
Show 50
Source
Check
Output
server-0-12-6
check_critical
CheckReturn CRITICAL: Error
2378
0.12.6
2014-10-26 17:14:20
server-0-14-0
check_critical
CheckReturn CRITICAL: Error
2993
0.14.0
2014-10-26 17:13:55
server-0-12-6
check_warning
CheckReturn WARNING: Warning
2378
0.12.6
2014-10-26 17:14:22
server-0-14-0
check_warning
CheckReturn WARNING: Warning
2990
0.14.0
2014-10-26 17:13:57

HOW THEY TIE TOGETHER

Senuse Server - Schedules and Manages Checks

Sensu API - End Point for retrieving check data

Sensu Client - Contacts Server to get checks

Uchiwa - Simple dashboard to see current check’s status

RabbitMQ - Handles messaging and communication

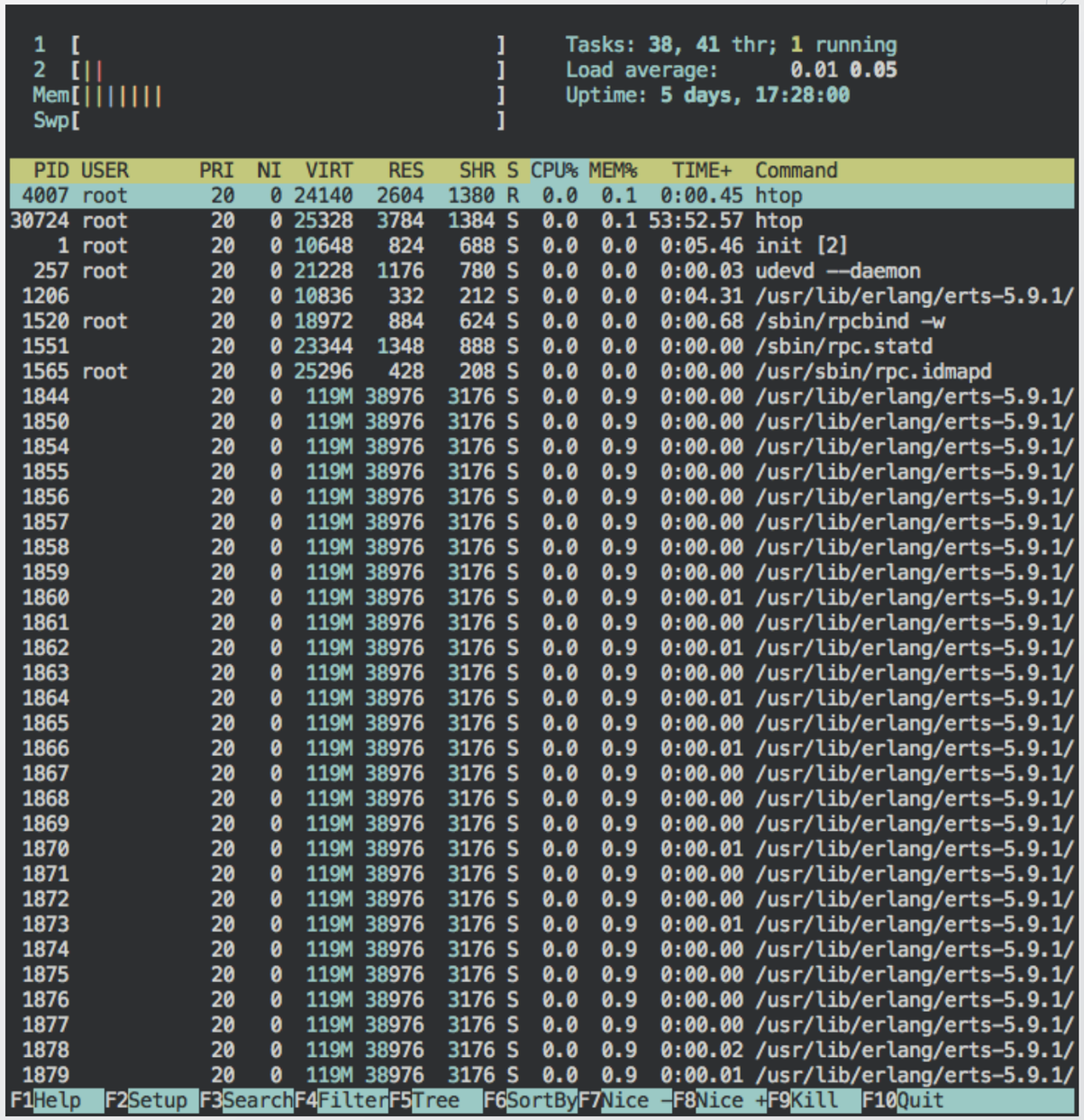
Redis - Stores all check/metric results

SENSU @ MTU LUG

MASTER SERVER

eddie.lug.mtu.edu

Runs: Uchiwa, Sensu Server, Sensu API, Redis, and RabbitMQ



NODES

Zaphod

Agrajag

Marvin

Trillian?

CHECKS CURRENTLY IN PLACE

keep_alive

See the problem?

PHASE 2

Write more checks!

Integrate with StatusPage.io

Setup Flapjack.io

Setup Graphs

"Documentation, Documentation, Documentation…" ~ Todd Arney

PHASE 3

Split out components

Ensure some HA

Every StatusPage.io component is automatically updated

PROFIT????

STRETCH GOALS

Monitor individual syncs

Complete Redundancy

Automated repair

COMMUNITY OUTREACH

MONITORING CHECKS

- We need help writing the checks!
- Any language, compatible with the stable release on Debian 7 Wheezy
- Email them to the Server Admins
- http://sensuapp.org/docs/0.16/checks

Exit Status

0 - Unknown

1 - Ok

2 - Error

3 - Critical

WEBSITE IMPROVEMENTS

Available on Github

Make pull requests!

https://github.com/lug-mtu/Website

CONCLUSION

Involvement Link - https://www.involvement.mtu.edu/organization/lug

IRC - irc://lug.mtu.edu/#mtu

Email List - https://lists.mtu.edu/sympa/subscribe/lug-l

Something not working? Check status.lug.mtu.edu before emailing!

Want to give a presentation? Email jfledvin@mtu.edu

Thanks for coming!

Hope to see you next week. Same place, same time.