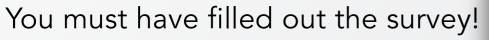
MTU LUG GENERAL MEETING 3/26/15



T-SHIRTS!!!



\$9 per shirt

Come get 'em!







Officially open!

Email <u>lug-l@mtu.edu</u>

Include their name and the position

Nominee's MUST reply accepting or declining the position

You may nominate yourself









President

Vice President

Treasurer

Secretary

Public Relations

Server Admin Team (3)

- Runs Org, Meetings, and etc.
- Backup to the President
- Manage the money. Budget.
- Meeting Minutes
- Advertising, promoting LUG
- 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









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 ?



MONITORING @ MTU LUG

By: Jared Ledvina









STATUS.LUG.MTU.EDU

Hosted on StatusPage.io

Free from the CEO!

Linux/UNIX Users' Group @ Michigan Tech

SUBSCRIBE TO UPDATES

All Systems Operational

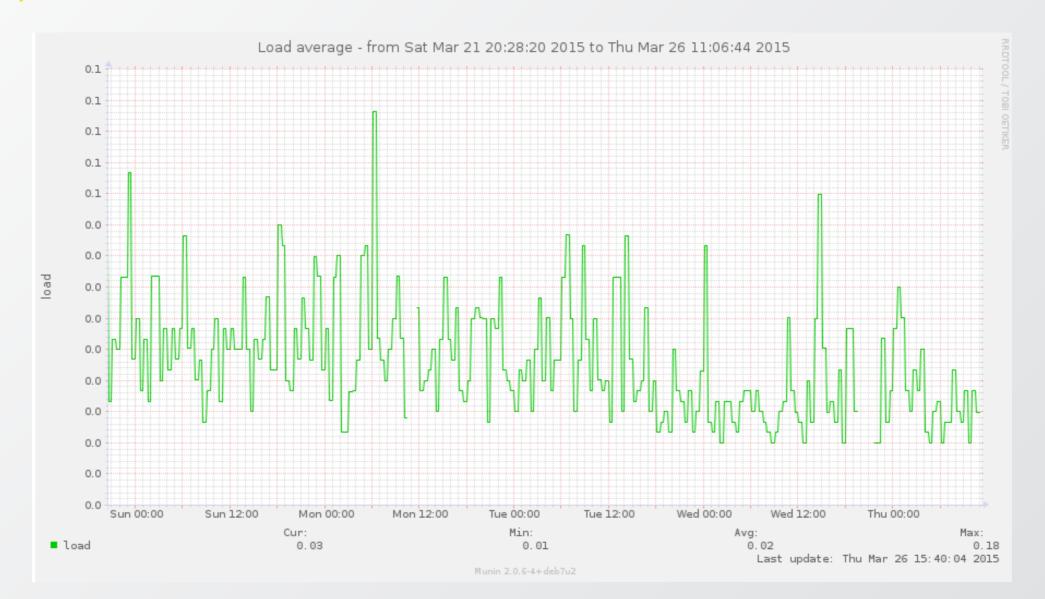
Refreshed less than one minute ago

About This Site

Welcome to the MTU Linux/UNIX Users' Group's status page. We will update this page with any scheduled maintenance that might affect MTU LUG's accessibility.

Website	Operational
FTP	Operational
RSYNC	Operational
IRC	Operational
IRC Services	Operational
Shell Server	Operational
Software Mirrors	Operational

LUG.MTU.EDU/MUNIN







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









Easy scaling

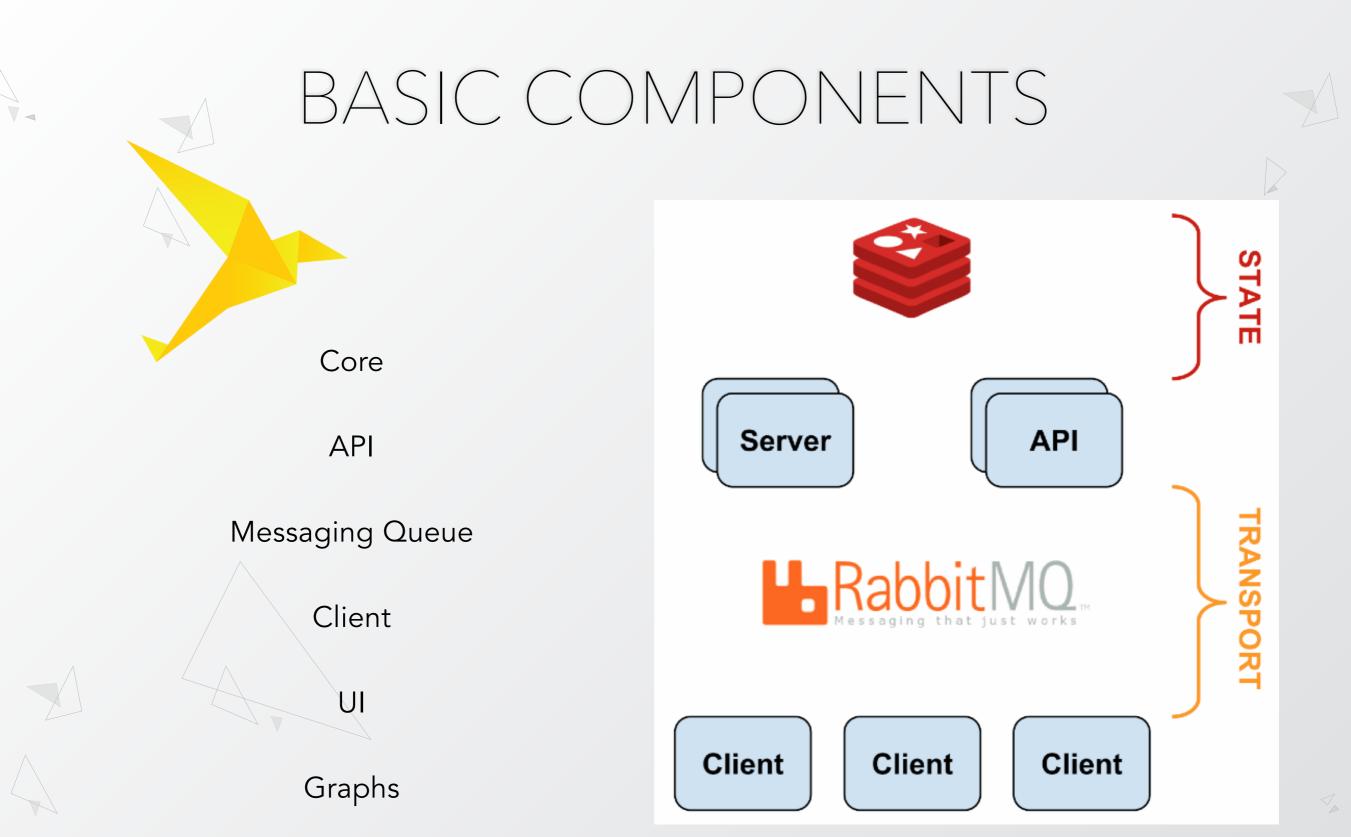
Separate parts all doing '1' thing well

Dynamic nodes and master hosts

Designed for modular and changing environments







UCHIWA

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← :	→ C					* ≡
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						Show 50 \$
-	♦ Source ♥	Check 🗢	Output ¢	**	A 0	©≑
	40 server-0-12-6	check_critical	CheckReturn CRITICAL: Error	2378	0.12.6	2014-10-26 17:14:20
0	40 server-0-14-0	check_critical	CheckReturn CRITICAL: Error	2993	0.14.0	2014-10-26 17:13:55
	40 server-0-12-6	check_warning	CheckReturn WARNING: Warning	2378	0.12.6	2014-10-26 17:14:22
٠	4 0 server-0-14-0	check_warning	CheckReturn WARNING: Warning	2990	0.14.0	2014-10-26 17:13:57





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

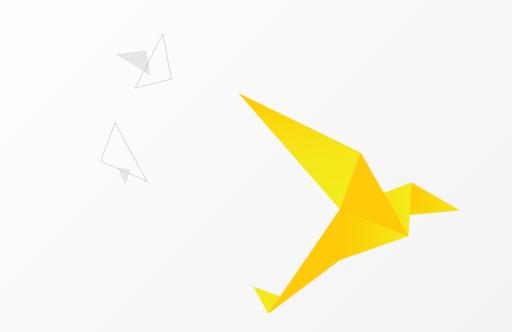


MASTER SERVER

eddie.lug.mtu.edu

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

1 [2 [Mem[Swp[]]]]	Lo Up	ad av time:	verage: 5 days,	hr; 1 running 0.01 0.05 17:28:00
PID USER	PRI	NI	VIRT	RES	SHR S			TIME+	Command
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30724 root	20		25328	3784	1384 S	0.0		53:52.57	
1 root	20		10648	824	688 S	0.0	0.0		init [2]
257 root	20		21228	1176	780 S	0.0	0.0		udevddaemon
1206	20		10836	332	212 S	0.0	0.0		/usr/lib/erlang/erts-5.9.1/
1520 root	20		18972	884	624 S	0.0	0.0		/sbin/rpcbind -w
1551	20		23344	1348	888 S	0.0	0.0		/sbin/rpc.statd
1565 root	20	0		428	208 S	0.0	0.0		/usr/sbin/rpc.idmapd
1844	20	0		38976	3176 S	0.0	0.9		/usr/lib/erlang/erts-5.9.1/
1850	20	0		38976	3176 S	0.0	0.9		/usr/lib/erlang/erts-5.9.1/
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1865	20	0		38976	3176 S	0.0	0.9		/usr/lib/erlang/erts-5.9.1/
1866	20	0		38976	3176 S	0.0	0.9		/usr/lib/erlang/erts-5.9.1/
1867 1868	20 20	0		38976 38976	3176 S 3176 S	0.0	0.9		/usr/lib/erlang/erts-5.9.1/
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1878	20	Ő		38976	3176 S	0.0	0.9		/usr/lib/erlang/erts-5.9.1/
1879	20	ő		38976	3176 S	0.0	0.9		/usr/lib/erlang/erts-5.9.1/
F1Help F2Setup		-						e - F8Nice	





Zaphod

Agrajag

Marvin

Trillian?











keep_alive

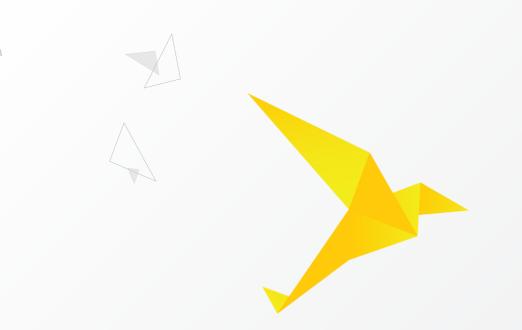
See the problem?













Write more checks!

Integrate with StatusPage.io

Setup Flapjack.io

Setup Graphs

"Documentation, Documentation, Documentation..." ~ Todd Arney









Split out components

Ensure some HA

Every StatusPage.io component is automatically updated

PROFIT????











Monitor individual syncs

Complete Redundancy

Automated repair











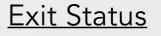
COMMUNITY OUTREACH







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



- 0 Unknown
 - 1 Ok

2 - Error

3 - Critical



Available on Github

Make pull requests!

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









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 <u>status.lug.mtu.edu</u> before emailing!

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











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



