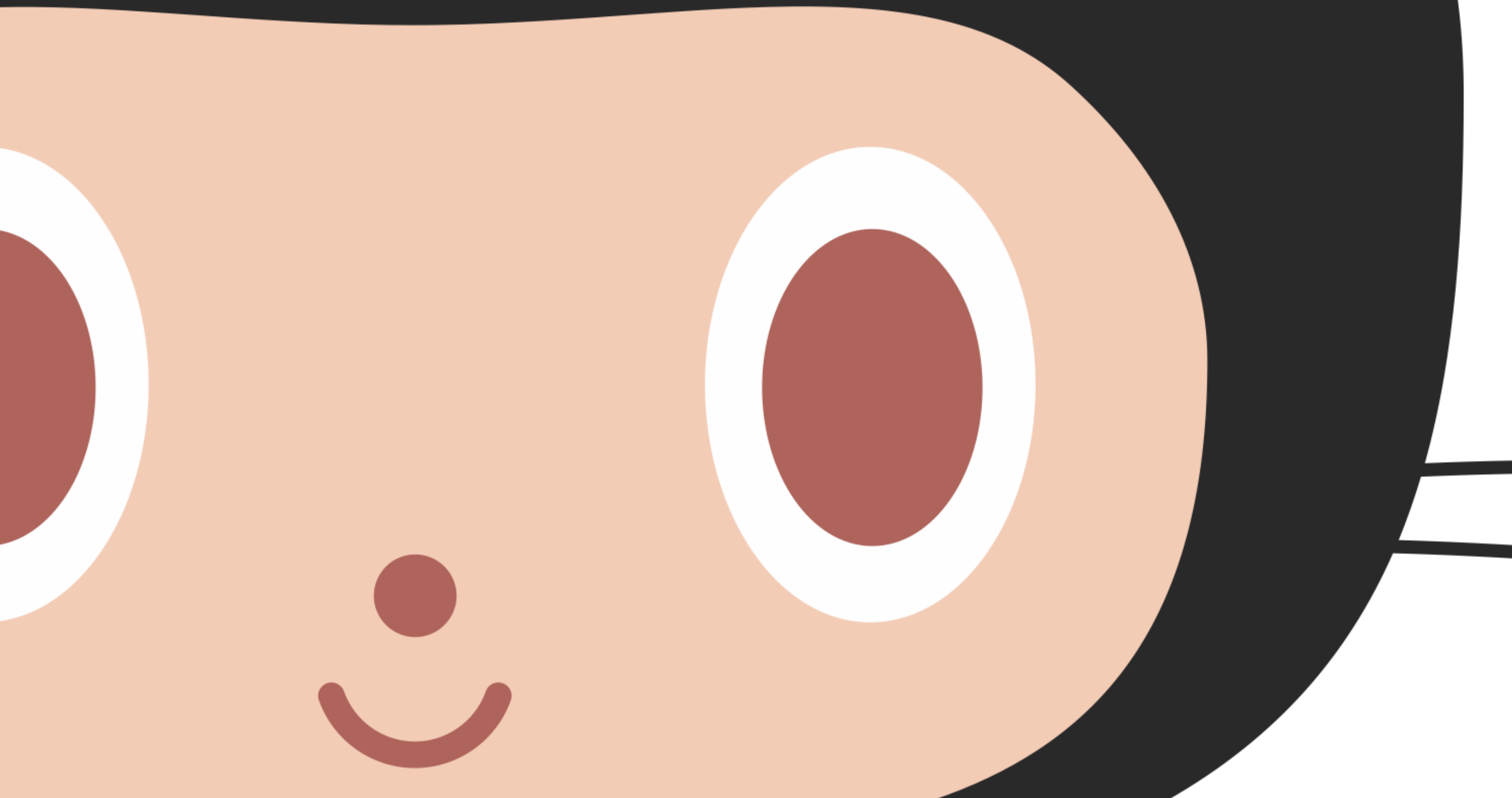


ChatOps

at

GitHub

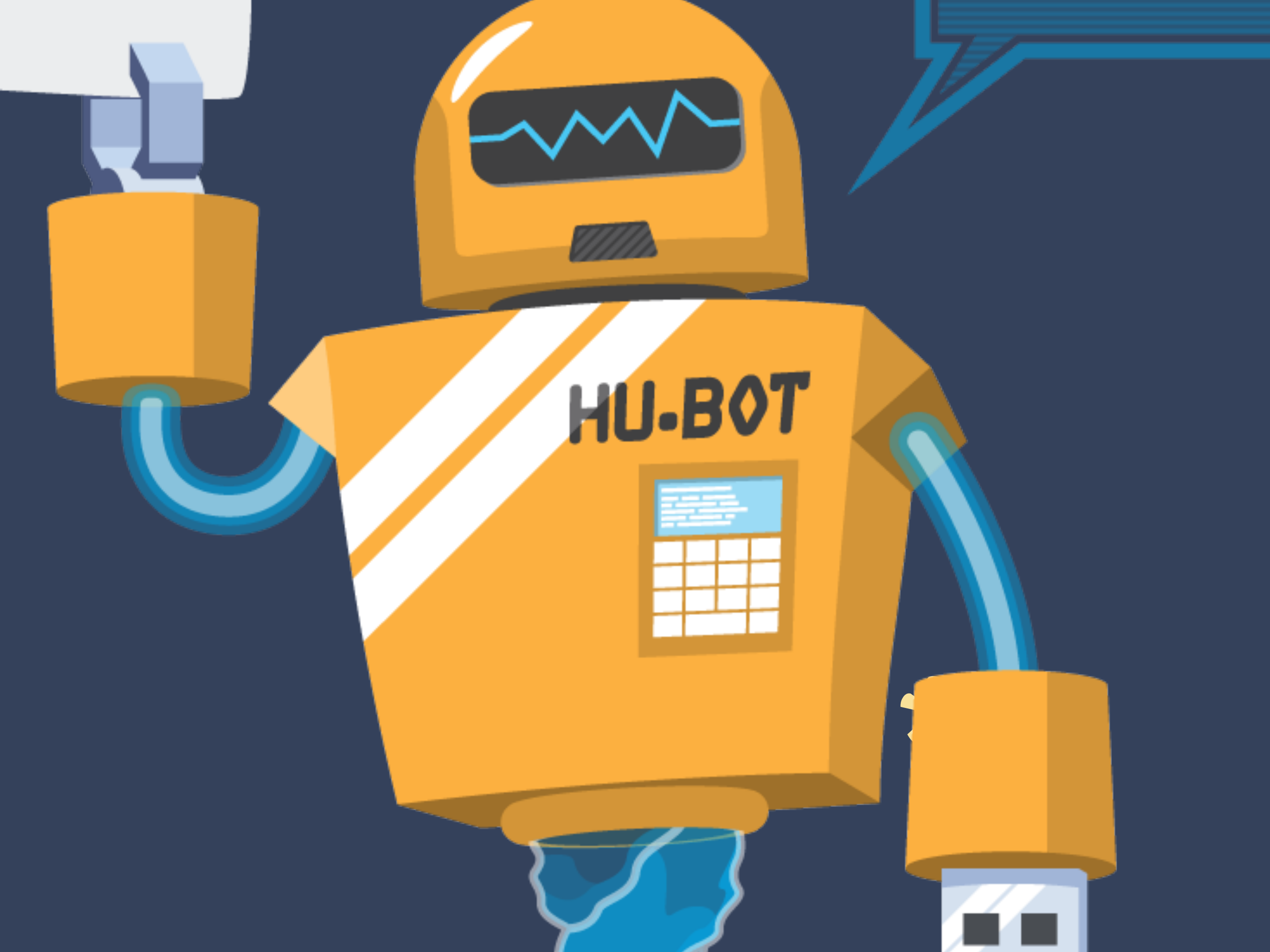
Jesse Newland
jnewland

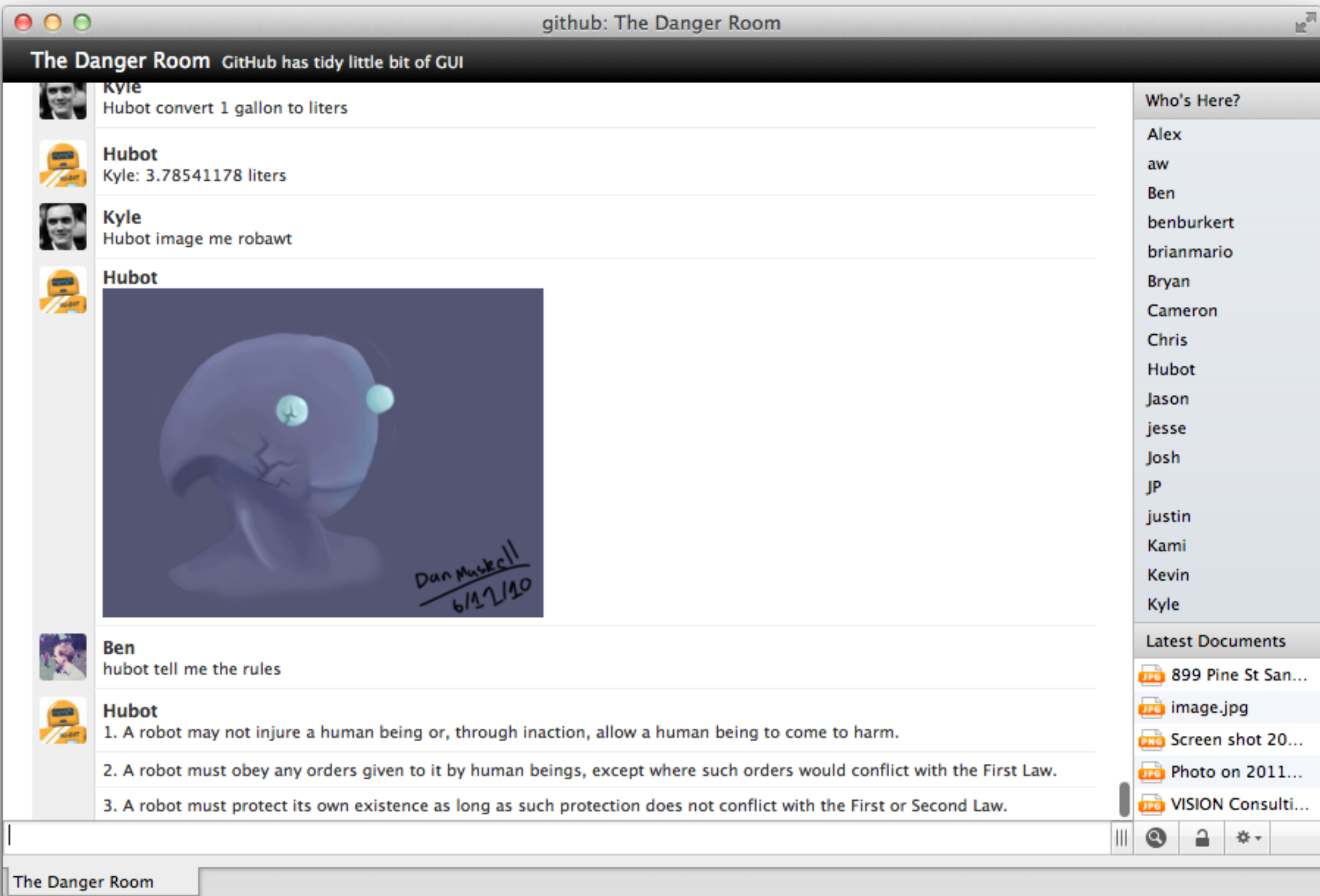


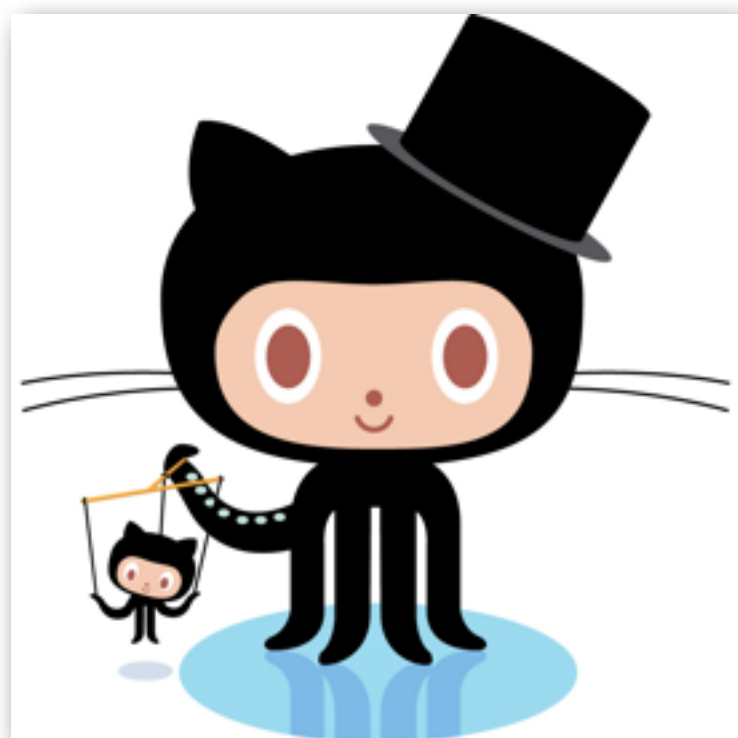
ChatOps

at

GitHub







HU-BOT



github/puppet

```
git checkout -b git-gh13
```

```
# bump version number
```

```
git commit -am 'bump git version'
```

```
git push origin git-gh13
```

```
# create pull request
```

Build [#108816](#)

**(5fe75932f26ea62cb5fc5e3d0cb302cc2461d11e)
of puppet/git-gh13 was successful(421s) [github/
puppet@567ea48...5fe7593](#)**



hubot deploy puppet/git-gh13 to production

puppet noop git-gh13 fs1

puppet force git-gh13 fs1

graph me -1h @collectd.load(fs1)

merge pull request

ci runs

auto-deploy

hubot puppet force production fs

graph me -1h @collectd.load(fs*)

log me hooks github/github

```
** [out :: REDACTED ] Bootstrapping...
** [out :: REDACTED ] Gem environment up-to-date.
** [out :: REDACTED ] Running librarian-puppet...
** [out :: REDACTED ] Generating puppet environments...
** [out :: REDACTED ] Cleaning up deleted branches...
** [out :: REDACTED ] Done!
** [out :: REDACTED ] Sending 'restart' command
** [out :: REDACTED ] The following watches were affected:
** [out :: REDACTED ] puppetmaster_unicorn
...

```



```
hubot deploy puppet/git-gh13 to production
puppet noop git-gh13 fs1
puppet force git-gh13 fs1
graph me -1h @collectd.load(fs1)

# merge pull request
# ci runs
# auto-deploy

hubot puppet force production fs
graph me -1h @collectd.load(fs*)
log me hooks github/github
```

```
...  
** [out :: fs1a.rs.github.com] info: Applying  
configuration version  
'8fb1a2716d5f950b836e511471a2bdac3ed27090'  
** [out :: fs1a.rs.github.com] notice: /Stage[main]/  
Github::Common_packages/Package[git]/ensure: would have  
changed from '1:1.7.10-1+github12' to  
'1:1.7.10-1+github13'
```




```
hubot deploy puppet/git-gh13 to production
      puppet noop git-gh13 fs1
      puppet force git-gh13 fs1
      graph me -1h @collectd.load(fs1)

      # merge pull request
      # ci runs
      # auto-deploy

hubot puppet force production fs
      graph me -1h @collectd.load(fs*)
      log me hooks github/github
```

```
** [out :: fs1a.rs.github.com] info: Applying  
configuration version  
** [out :: fs1a.rs.github.com] notice: /Stage[main]/  
Github::Common_packages/Package[git]/ensure: ensure  
changed '1:1.7.10-1+github12' to '1:1.7.10-1+github13'  
...
```

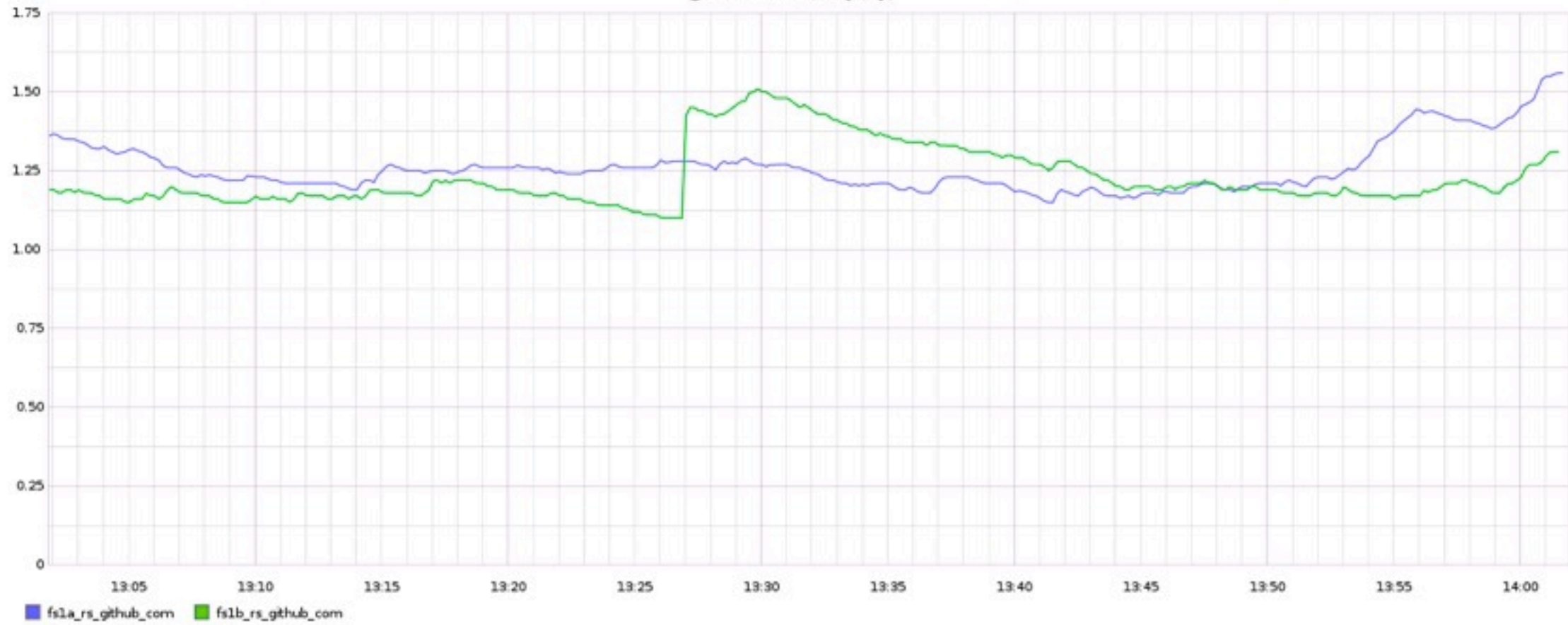


```
hubot deploy puppet/git-gh13 to production
      puppet noop git-gh13 fs1
      puppet force git-gh13 fs1
      graph me -1h @collectd.load(fs1)

      # merge pull request
      # ci runs
      # auto-deploy

hubot puppet force production fs
      graph me -1h @collectd.load(fs*)
      log me hooks github/github
```

@collectd.load(fs1 {a,b})



```
hubot deploy puppet/git-gh13 to production
      puppet noop git-gh13 fs1
      puppet force git-gh13 fs1
      graph me -1h @collectd.load(fs1)

# merge pull request
# ci runs
# auto-deploy

hubot puppet force production fs
      graph me -1h @collectd.load(fs*)
      log me hooks github/github
```

[puppet/master] Merge pull request #8406
from github/git-gh13 - Jesse Newland
([github/puppet@567ea48](https://github.com/puppet/puppet/commit/567ea48))



```
hubot deploy puppet/git-gh13 to production
      puppet noop git-gh13 fs1
      puppet force git-gh13 fs1
      graph me -1h @collectd.load(fs1)

      # merge pull request
      # ci runs
      # auto-deploy

hubot puppet force production fs
      graph me -1h @collectd.load(fs*)
      log me hooks github/github
```

Build [#108817](#)
(5fe75932f26ea62cb5fc5e3d0cb302cc2461d11e)
of puppet/master was successful(399s)

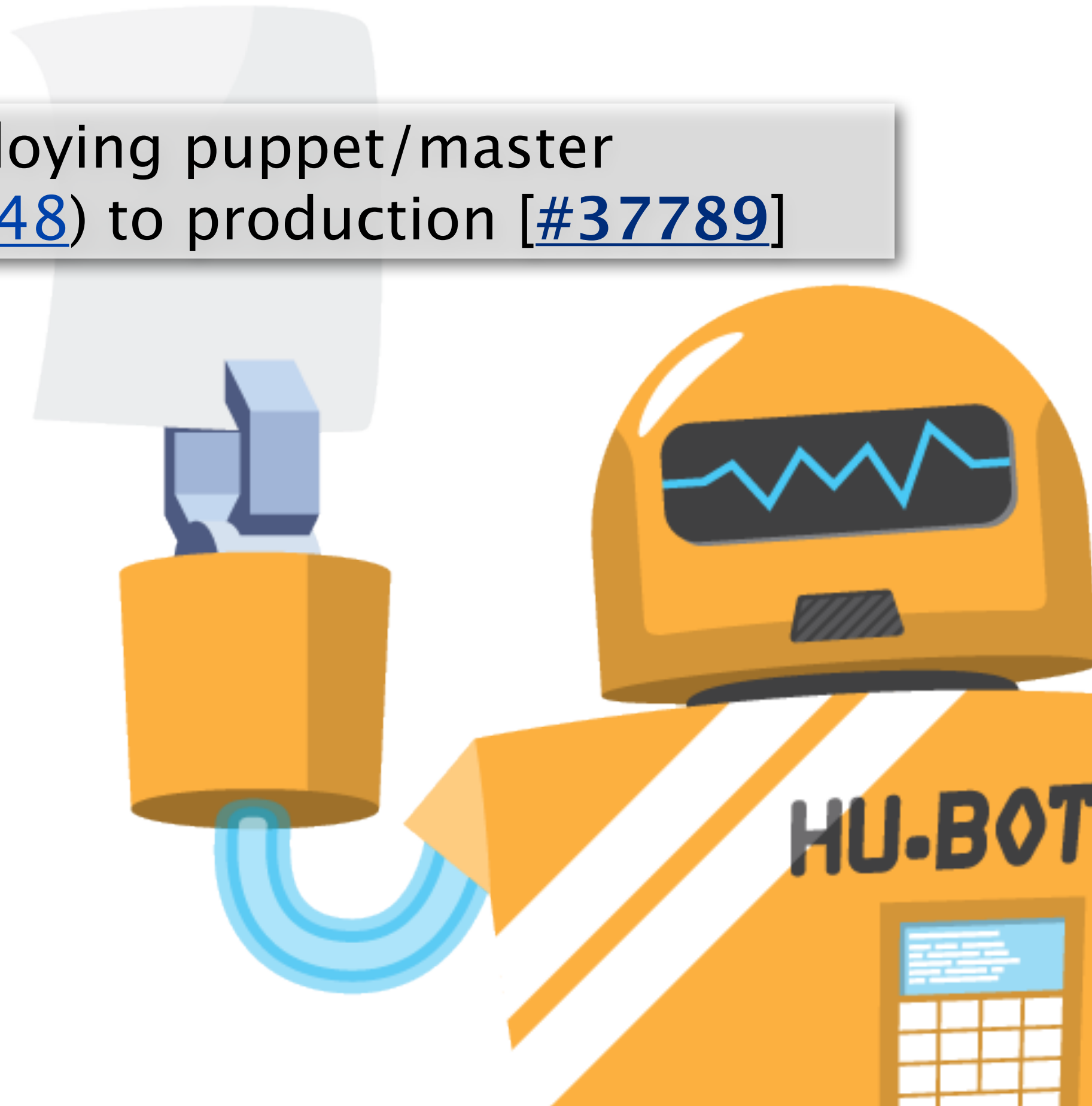



```
hubot deploy puppet/git-gh13 to production
      puppet noop git-gh13 fs1
      puppet force git-gh13 fs1
      graph me -1h @collectd.load(fs1)

      # merge pull request
      # ci runs
      # auto-deploy
```

```
hubot puppet force production fs
      graph me -1h @collectd.load(fs*)
      log me hooks github/github
```

jnewland is deploying puppet/master
([863f7ff..567ea48](#)) to production [[#37789](#)]



```
** [out :: REDACTED ] Bootstrapping...
** [out :: REDACTED ] Gem environment up-to-date.
** [out :: REDACTED ] Running librarian-puppet...
** [out :: REDACTED ] Generating puppet environments...
** [out :: REDACTED ] Cleaning up deleted branches...
** [out :: REDACTED ] Done!
** [out :: REDACTED ] Sending 'restart' command
** [out :: REDACTED ] The following watches were affected:
** [out :: REDACTED ] puppetmaster_unicorn
...

```



```
hubot deploy puppet/git-gh13 to production
      puppet noop git-gh13 fs1
      puppet force git-gh13 fs1
      graph me -1h @collectd.load(fs*)

      # merge pull request
      # ci runs
      # auto-deploy

hubot puppet force production fs
      graph me -1h @collectd.load(fs*)
      log me hooks github/github
```



```
** [out :: fs2a.rs.github.com] info: Applying  
configuration version  
'8fb1a2716d5f950b836e511471a2bdac3ed27090'  
** [out :: fs7b.rs.github.com] info: Applying  
configuration version  
'8fb1a2716d5f950b836e511471a2bdac3ed27090'  
** [out :: fs2a.rs.github.com] notice: /Stage[main]/  
Github::Common_packages/Package[git]/ensure: ensure  
changed '1:1.7.10-1+github12' to '1:1.7.10-1+github13'  
** [out :: fs7b.rs.github.com] notice: /Stage[main]/  
Github::Common_packages/Package[git]/ensure: ensure  
changed '1:1.7.10-1+github12' to '1:1.7.10-1+github13'  
...
```

```
hubot deploy puppet/git-gh13 to production
      puppet noop git-gh13 fs1
      puppet force git-gh13 fs1
      graph me -1h @collectd.load(fs1)

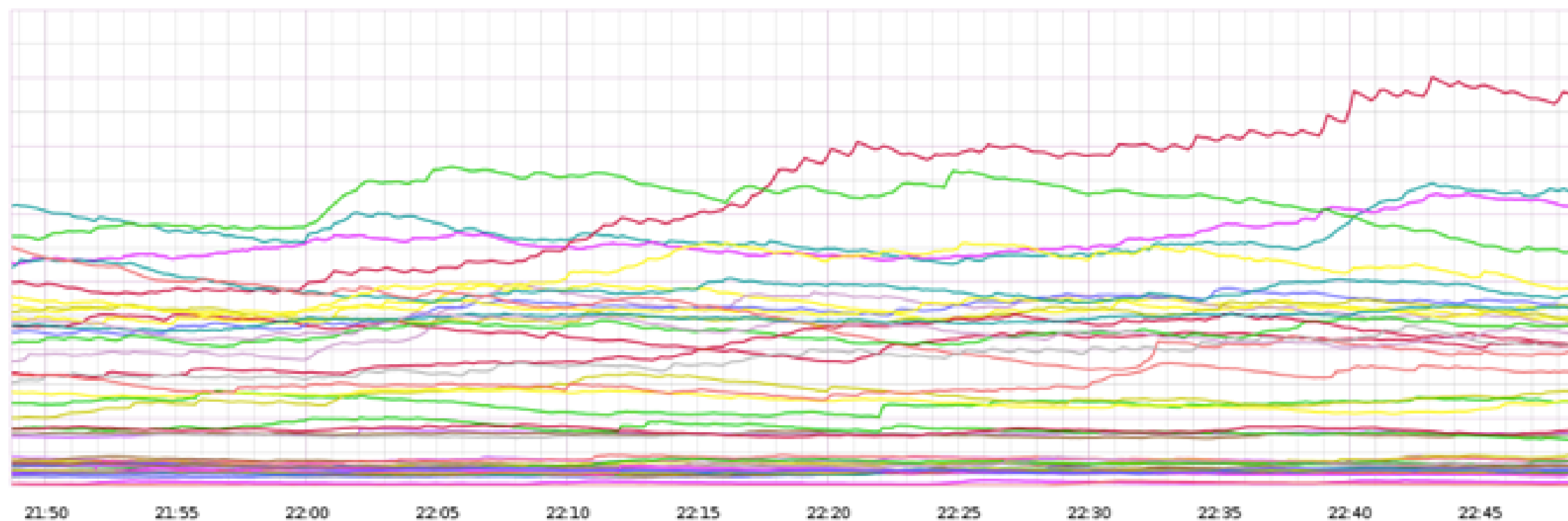
      # merge pull request
      # ci runs
      # auto-deploy

hubot puppet force production fs
      graph me -1h @collectd.load(fs*)
      log me hooks github/github
```



Hubot

@collectd.load(fs*)



```
hubot deploy puppet/git-gh13 to production
      puppet noop git-gh13 fs1
      puppet force git-gh13 fs1
      graph me -1h @collectd.load(fs1)

      # merge pull request
      # ci runs
      # auto-deploy

hubot puppet force production fs
      graph me -1h @collectd.load(fs*)

      log me hooks github/github
```


Hubot

<https://papertrailapp.com/events?q=hooks%2...>

[View paste](#) (1 more line)

```
Sep 25 22:48:20 fs9b.rs.github.com hooks/post-receive { "pid":7150, "ppi
```

```
Sep 25 22:48:36 fs9b.rs.github.com hooks/post-upload-pack { "pid":12300,
```



Boom

ChatOps



Hubot

heaven

shell **Hubot** janky

graphme

ALL OF

THE APIS

**Why is this stupid
chat bot so
important to Ops?**

```
hubot deploy puppet/git-gh13 to production
      puppet noop git-gh13 fs1
      puppet force git-gh13 fs1
      graph me -1h @collectd.load(fs1)

      # merge pull request
      # ci runs
      # auto-deploy

hubot puppet force production fs
      graph me -1h @collectd.load(fs*)
      log me hooks github/github
```


**Everyone sees all
of that happen**

**Everyone sees all
of that happen
on their first day**

OBJECT ACQUISITION DEVICE

3,000,000 PSI
"DEATH PROOF" CLAW ARM

VISUAL ACQUISITION SENSOR

1M DPI RETINAL TRANSCIVER WITH
HIGH FIDELITY SQUIGGLY LINE OUTPUT

PLASMA ARM

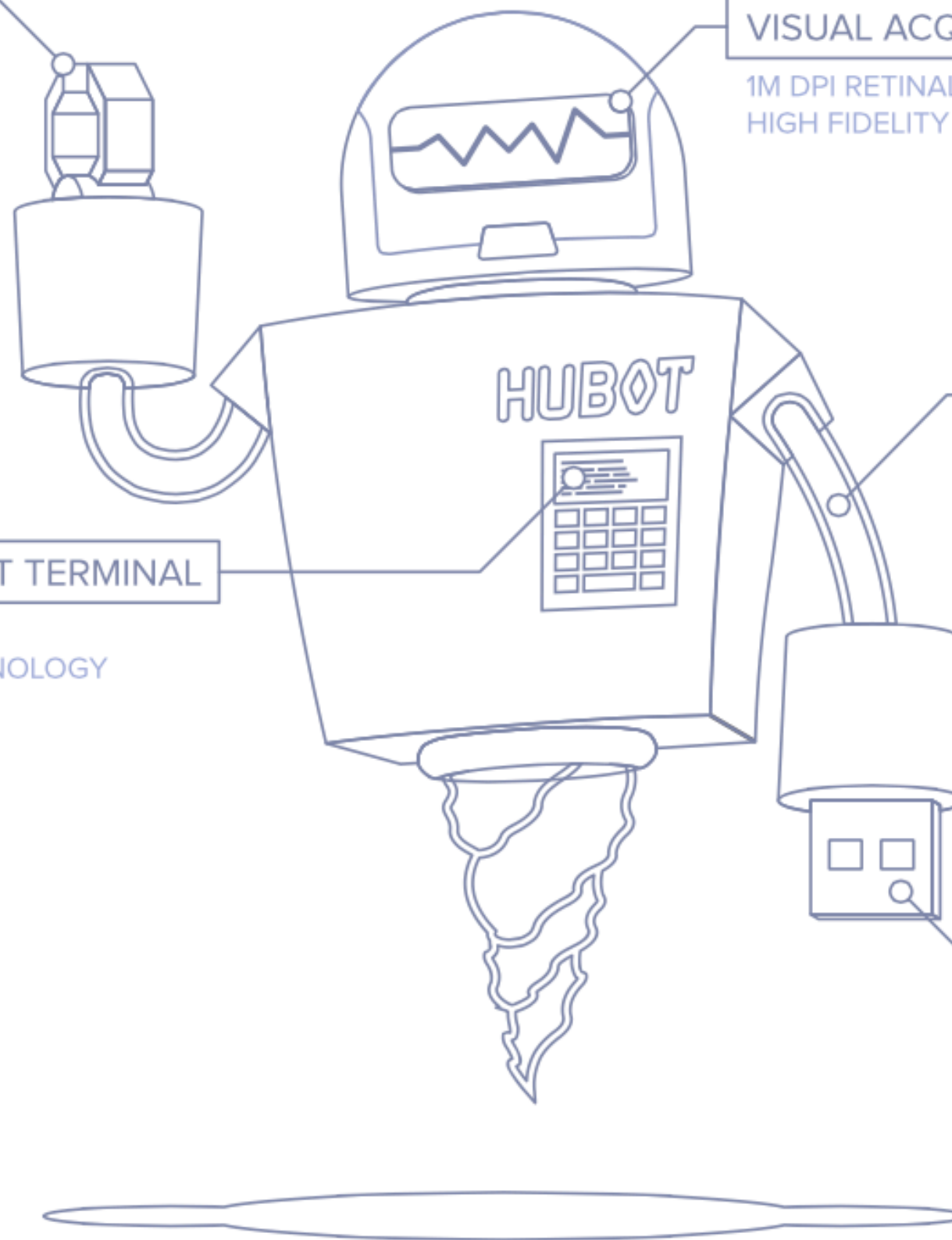
HYPOTHETICAL TERMINUS
POINT RETENTION TECHNOLOGY

EXTERNAL INPUT TERMINAL

PREDICTIVE LOGIC
MINI-QUERTY TECHNOLOGY

USB 12 NANO CONNECTOR

HIGH EFFICIENCY
INSERT/RETRACT POLYMER



```
hubot ci status github/smoke-perf
```

```
hubot deploy github/smoke-perf to prod/fe1
```

```
hubot graph me -10min @app-perf
```

hubot procs unicorn

hubot rescue critical


```
hubot graph me -10min @collected.load(fe*)
```

hubot conns fe1

hubot log me smoke fe1

```
hubot lbctl disable fe1
```

hubot status yellow Bad deploy. Reverting now.

hubot who's on call

hubot pingdom checks

hubot upset me




```
hubot deploy github to prod/fe1
```

hubot log me smoke fe1

hubot air drum me



```
hubot lbctl enable fe1
```

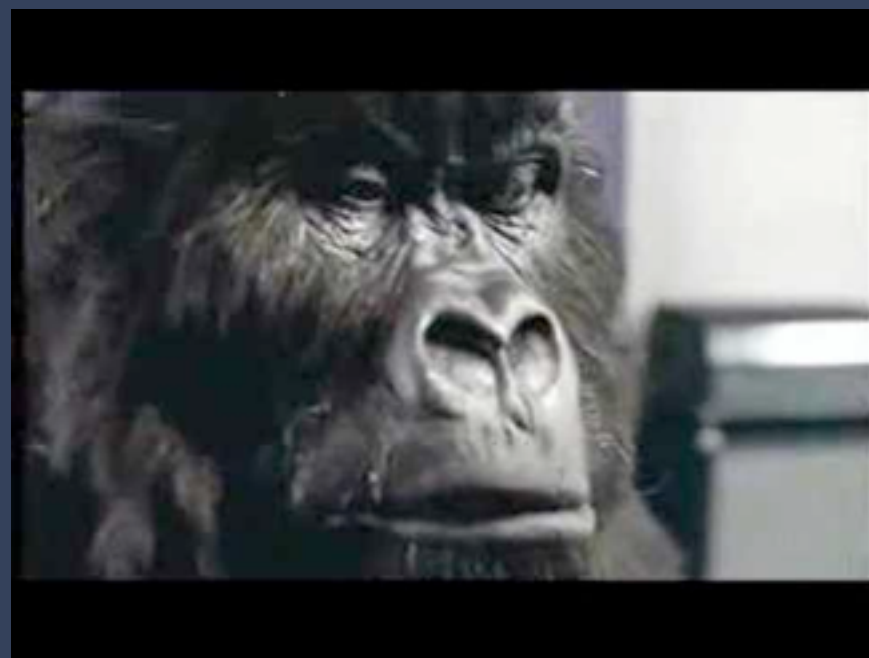
hubot status green All systems go.

```
hubot whois 4.9.23.22
```

hubot khanify spammers



hubot play in the air tonight



ChatOps

By placing tools
directly in the
middle of the
conversation

Everyone
is pairing
all of the time

Teaching

by

doing

**This was always my main
motivation with hubot - teaching
by doing by making things
visible. It's an extremely
powerful teaching
technique - @rtomayko**



sr

jnewland how do you get that list of big repos? disk_hogs or something



jnewland
/disk-hogs

Communicate

by

doing



**THINGS I
HAVEN'T ASKED
RECENTLY**

THINGS I
HAVEN'T ASKED
how's that deploy going?
RECENTLY

THINGS I

are you deploying that or should i?

HAVEN'T ASKED
how's that deploy going?

RECENTLY

THINGS I

are you deploying that or should i?

HAVEN'T ASKED

how's that deploy going?

is anyone responding to that nagios alert?

RECENTLY

is that branch green?

are you deploying that or should i?

how's that deploy going?

is anyone responding to that nagios alert?

is that branch green?

are you deploying that or should i?

how's that deploy going?

is anyone responding to that nagios alert?

how does load look?

did anyone update the status page?

is that branch green?

are you deploying that or should i?

how's that deploy going?

is anyone responding to that nagios alert?

how does load look?

did anyone update the status page?

is that branch green?

are you deploying that or should i?

how's that deploy going?

is anyone responding to that nagios alert?

how does load look?

did that deploy finish?



jnewland Jesse Newland
/remote me



Hubot



Whoa, 83/148 meatbags are remote (56%)

**WORK
FROM
WHEREVER**





<http://www.flickr.com/photos/7997249@No6/6061305639/>

**Build porcelain
around bad tools**

General

- Home
- Documentation

Monitoring

- Tactical Overview
- Service Detail
- Host Detail
- Hostgroup Overview
- Hostgroup Summary
- Hostgroup Grid
- Servicegroup Overview
- Servicegroup Summary
- Servicegroup Grid
- Status Map
- 3-D Status Map

- Service Problems
- Host Problems
- Network Outages

Show Host:

- Comments
- Downtime
- Process Info
- Performance Info
- Scheduling Queue

Reporting

- Trends
- Availability
- Alert Histogram
- Alert History
- Alert Summary
- Notifications
- Event Log

Configuration

- View Config

Network Map For All Hosts

Last Updated: Tue Sep 12 18:43:45 MDT 2006
Updated every 90 seconds
Nagios® - www.nagios.org
Logged in as a9k

[View Status Detail For All Hosts](#)
[View Status Overview For All Hosts](#)

Layout Method:

Circular

Scaling factor:

0.0

Drawing Layers:

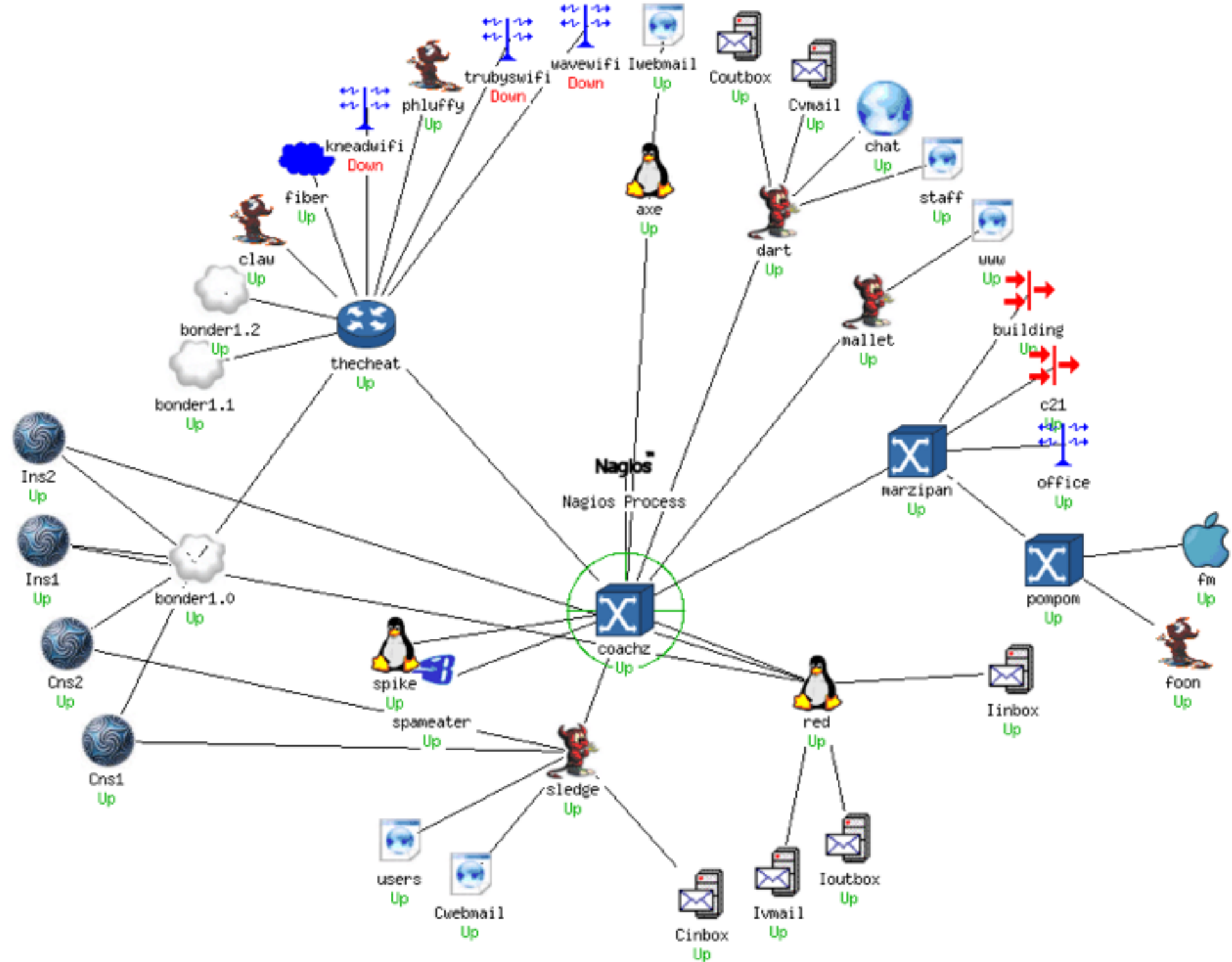
DNS
HotSpots
MAIL
Routers

Layer mode:

☐ Include
☒ Exclude

Suppress popups: ☐

Update



[nines] hubot opened issue #4263: Nagios
(229906) – fs3b/syslog – Tue Sept 25 23:40:18
PDT 2012. [github/nines#4263](https://github.com/nines#4263)



```
hubot nagios ack fs3b/syslog
```

```
# fix stuff
```

```
    nagios check fs3b/syslog
```

```
    nagios status fs3b/syslog
```

```
hubot nagios downtime fs3b/syslog 90
```

```
    nagios mute fs3b/syslog
```

```
    nagios unmute fs3b/syslog
```

Home

Dashboard

Your open incidents
0 triggered 0 acknowledged

0 t

Incidents in Your Account



Resolve

Acknowledge

Reassign



#



Opened On



Status

Incident Details



jnewland Jesse Newland
/pager sup



Hubot
Chillin



HU-BOT



/pager me 60

MONITOR®







/pager me 60

Mobile

FTW

Ops



jnewland

/nagios status fe1/http



Hubot

```
+-----+-----+-----+
|
|
-+
| Service | Status | Details
|
+-----+-----+-----+
|
|
-+
| fe1/http | OK | HTTP OK
| HTTP/1.1 200 OK - 232 bytes in
|
| | 0.001
| seconds
|
+-----+-----+-----+
|
-+
```



Send a message



ChatOps

OBJECT ACQUISITION DEVICE

3,000,000 PSI
"DEATH PROOF" CLAW ARM

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1M DPI RETINAL TRANSCEIVER WITH
HIGH FIDELITY SQUIGGLY LINE OUTPUT

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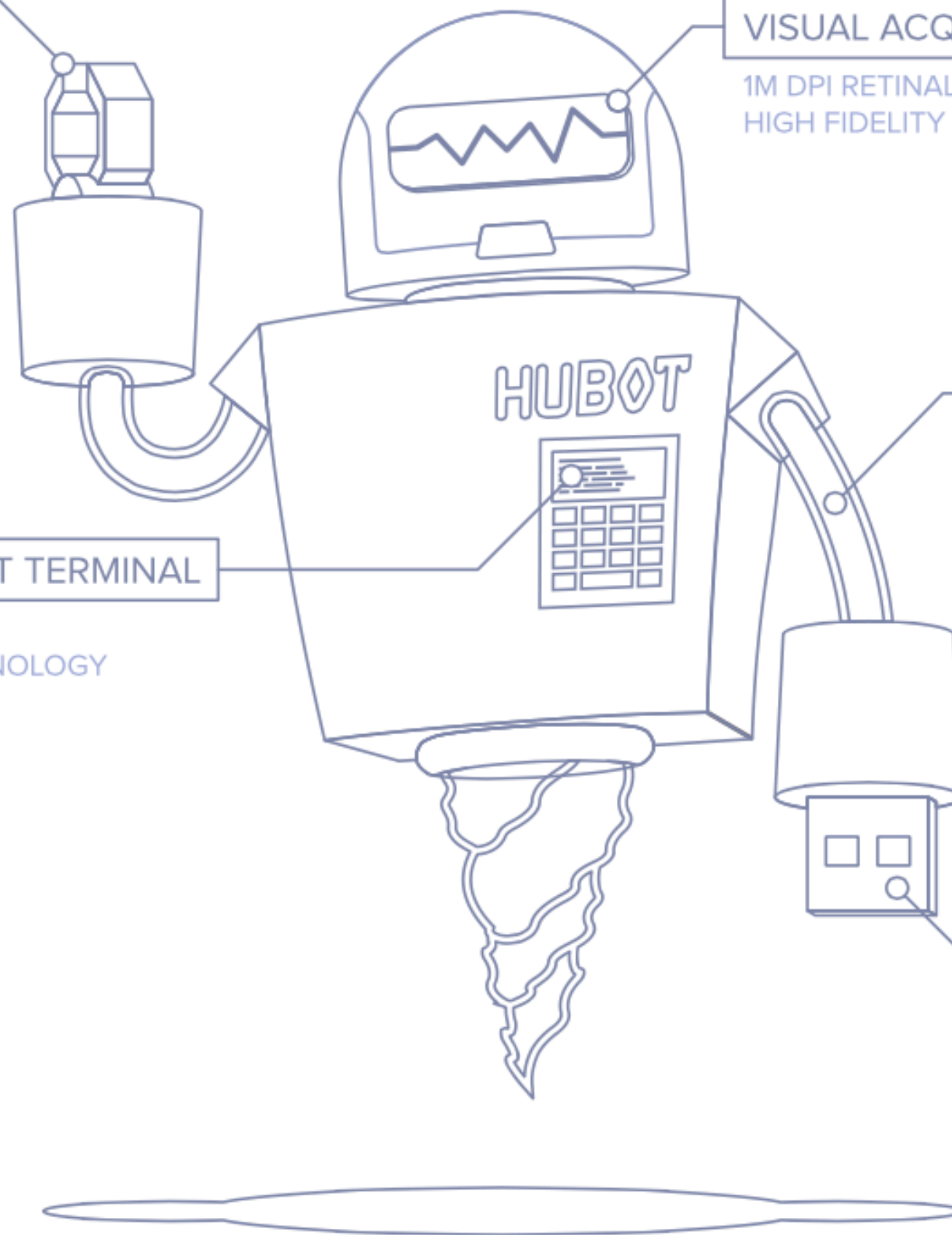
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USB 12 NANO CONNECTOR

HIGH EFFICIENCY
INSERT/RETRACT POLYMER





Hubot

CHATOPS



ALL THE THINGS

HUBOT dot GITHUB

dot COM

THE WEBSITE

Thanks!

