



SUN, SEA & PI

Aaron Bassett





RAW TECH

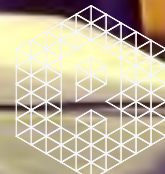


@aaronbassett



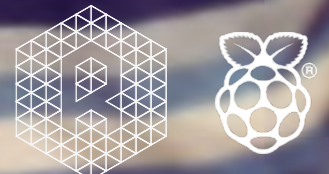


starter  island






SKIPPER













“If you wish to make an
Raspberry pie from scratch, you
must first invent the
universe.”

– *Carl Sagan*

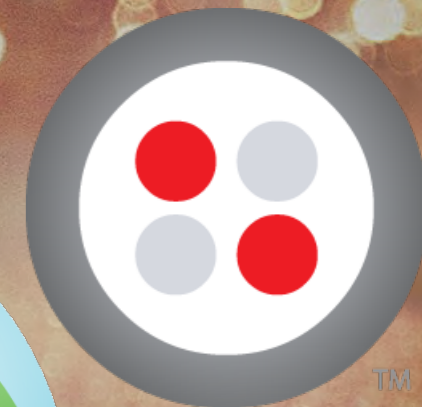
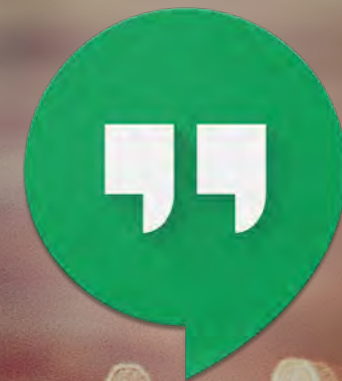


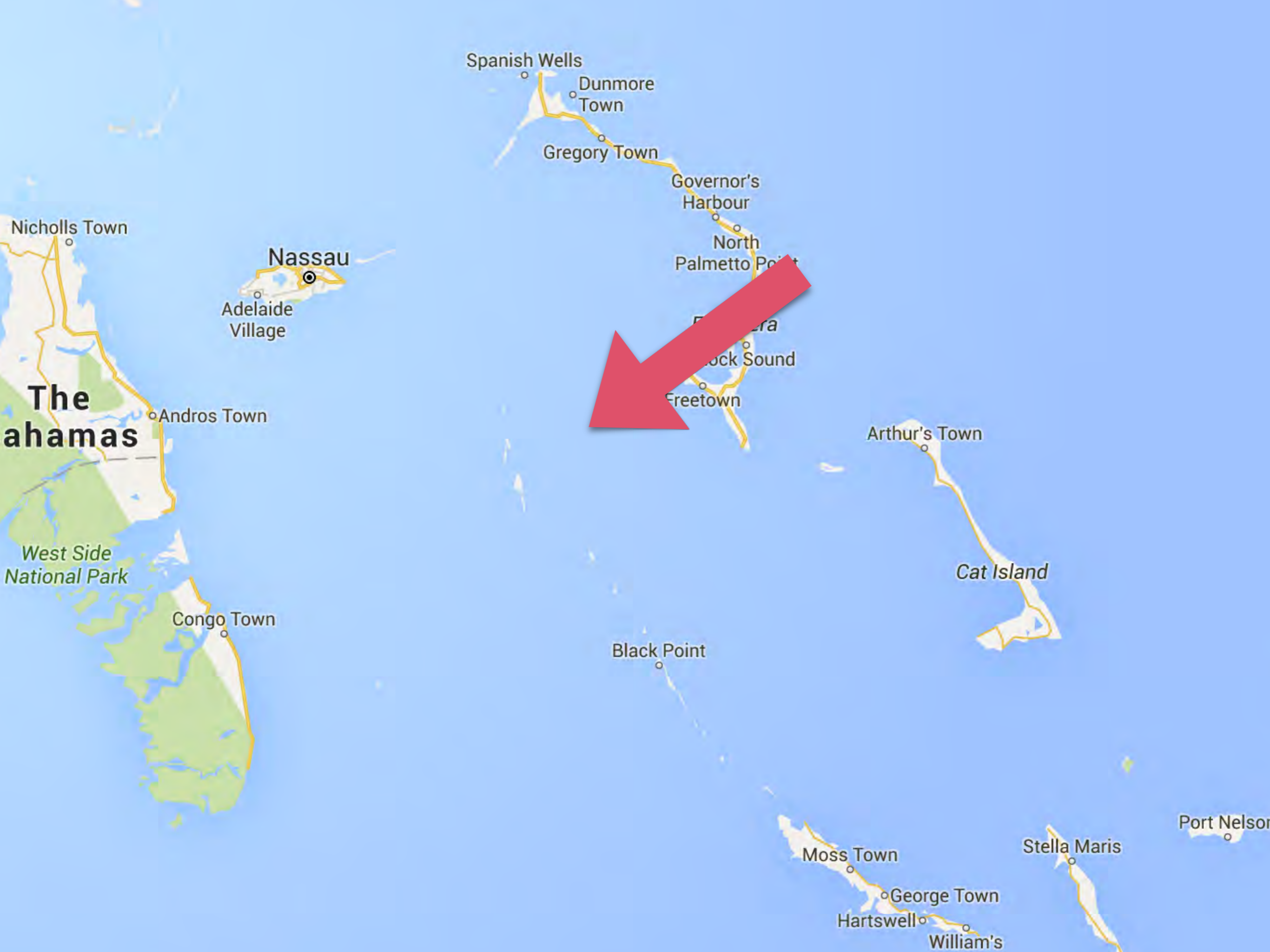


amazon
web services™



Bitbucket





Spanish Wells
Dunmore Town
Gregory Town

Governor's Harbour
North Palmetto Point
Freetown
Black Sound

Nicholls Town

Nassau
Adelaide Village

The Bahamas

Andros Town

West Side National Park

Congo Town

Arthur's Town

Cat Island

Black Point

Moss Town

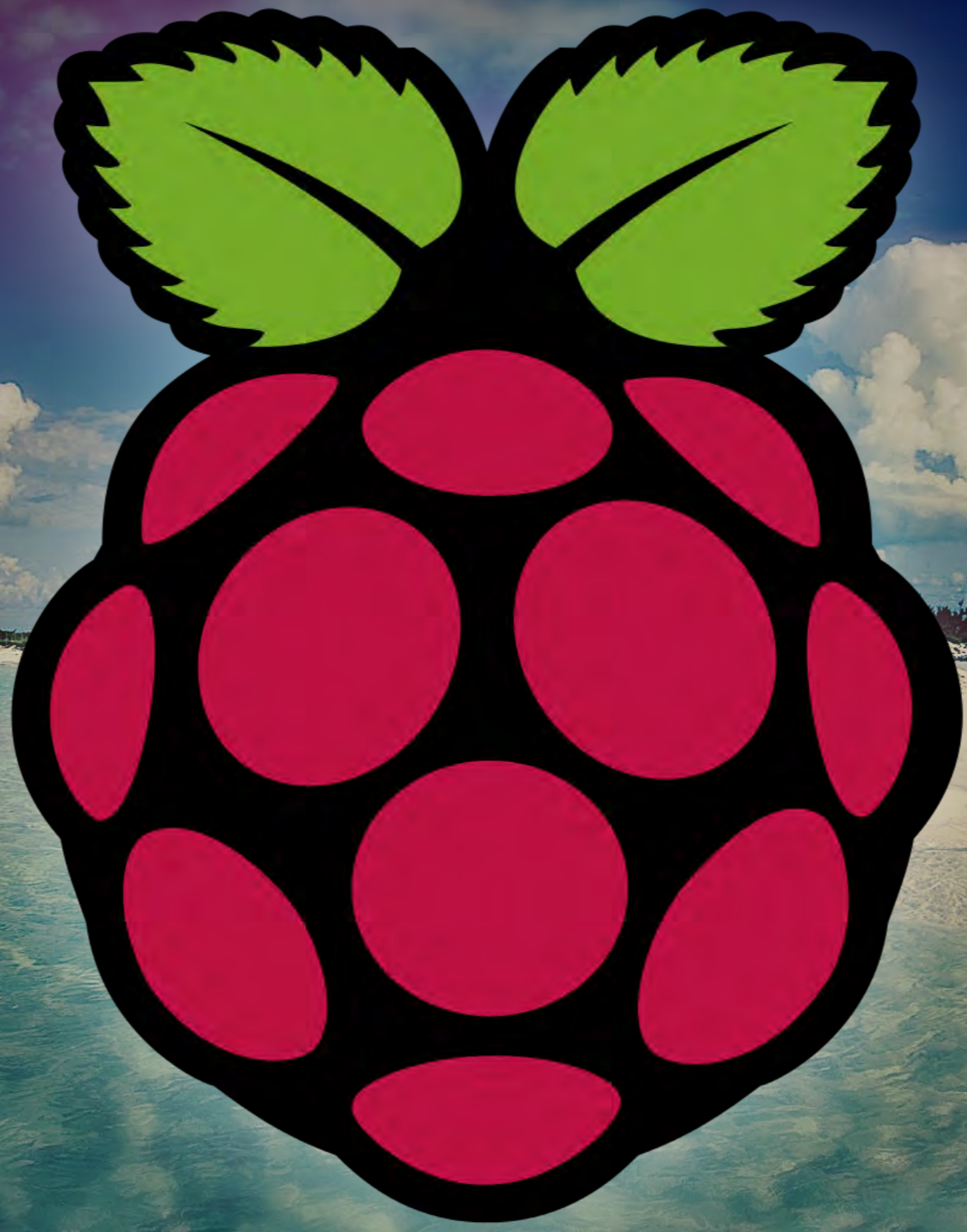
George Town

Hartswell

William's

Stella Maris

Port Nelson





GITHUB





GITLAB





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Install a GitLab CE Omnibus package on

Select Operating System ▼

Ubuntu 12.04

Ubuntu 14.04 (recommended, for 15.04 select and download the package manually)

Debian 7

Debian 8

CentOS 6 (and RedHat/Oracle/Scientific Linux 6)

CentOS 7 (and RedHat/Oracle/Scientific Linux 7)

Raspberry PI 2 on Raspbian

Installation requirements

<https://about.gitlab.com/downloads/#raspberrypi2>

```
apt-get install wget
```

```
apt-get install git-core
```



`git init --bare`




`git clone`



 www.instructables.com/id/GitPi-A-Private-Git-Server-on-Raspberry-Pi/

 thomasloughlin.com/gitpi-using-your-raspberry-pi-as-a-dedicated-git-repository/

 www.atlassian.com/git/tutorials/setting-up-a-repository

 elinux.org/RPi_Adding_USB_Drives





407,846





npm



```
pip install --download  
bower install
```



`pip install /path/package.whl`
`bower install /path/package`

pip.pypa.io/en/stable/user_guide/#installing-from-wheels
bower.io/docs/api/#install

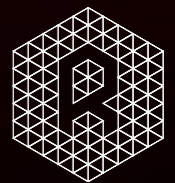






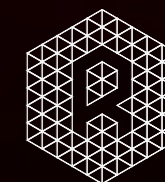
owncloud

samhobbs.co.uk/2013/10/install-owncloud-on-your-raspberry-pi

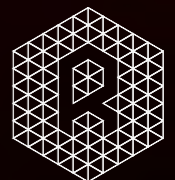


sshfs

ssh file system



www.digitalocean.com/community/tutorials/how-to-use-sshfs-to-mount-remote-file-systems-over-ssh




```

xps (Ubuntu 14.04 64bit / Linux 3.13.0-63-generic) - IP 192.168.0.5/24 Uptime: 1 day, 17:30:44

Intel(R) Core(TM) i7-4500U CPU @ 1.80GHz - 1.80/1.80GHz CPU 99.9% nice: 0.5% MEM 28.1% active: 2.47G SWAP 0.0% LOAD 4-core
CPU [||||| 99.9%] user: 97.9% irq: 0.0% total: 7.71G inactive: 1.38G total: 7.91G 1 min: 1.66
MEM [||||| 28.1%] system: 1.5% iowait: 0.0% used: 2.17G buffers: 199M used: 0 5 min: 0.98
SWAP [||||| 0.0%] idle: 0.1% steal: 0.0% free: 5.54G cached: 1.76G free: 7.91G 15 min: 0.68

NETWORK Rx/s Tx/s CONTAINERS 2 (served by Docker 1.7.1)
docker0 0b 0b
lo 0b 0b
h35fc066 0b 0b
h8e6ba8a 0b 0b
wlan0 19Kb 960Kb

Name Status CPU% MEM IOR/s IOW/s Rx/s Tx/s Command
_dbgrafana_grafana_1 Up 16 mins 0.1 16.1M 0b 0b 0b 0b /usr/sbin/grafana-server --config=/etc/grafana/grafa
_bgrafana_influxdb_1 Up 16 mins 0.1 16.3M 0b 0b 0b 0b /run.sh

TASKS 228 (731 thr), 9 run, 219 slp, 0 oth sorted automatically by cpu_percent, flat view

DISK I/O R/s W/s
sda1 0 0
sda2 0 374K
sda3 0 0

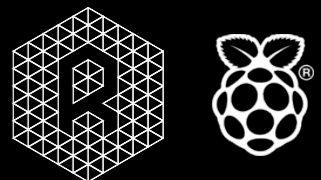
Dropbox RUNNING CPU: 4.9% | MEM: 0.3%
Python RUNNING

FILE SYS Used Total CPU% MEM% VIRT RES PID USER NI S TIME+ IOR/s IOW/s Command
/ (sda2) 197G 226G 85.5 0.0 7.13M 100K 22818 nicolargo 0 R 0:11.21 0 0 stress --cpu 4 -t 30
/boot/efi 3.38M 511M 66.6 0.0 7.13M 100K 22821 nicolargo 0 R 0:10.62 0 0 stress --cpu 4 -t 30
64.2 0.0 7.13M 100K 22820 nicolargo 0 R 0:10.18 0 0 stress --cpu 4 -t 30
40.1 4.0 1.43G 313M 10150 nicolargo 0 R 0:10.14 0 0 stress --cpu 4 -t 30
40.1 4.0 1.43G 313M 10150 nicolargo 0 S 0:53.53 0 294K /usr/bin/perl /usr/bin/shutter
temp1 °C 27 22.1 1.8 2.67G 140M 3745 nicolargo 0 S 0:47.12 5K 157K /home/nicolargo/.dropbox-dist/dropbox-linux.x86_64-3.8.8/dropbox /new
temp2 °C 29 9.0 11.4 2.49G 897M 6645 nicolargo 0 S 34:29.50 0 0 /usr/lib/firefox/firefox
Physical id °C 65 4.9 0.3 240M 25.7M 7077 nicolargo 0 R 0:51.84 0 0 python -m glances
Core 0 °C 63 3.8 2.8 1.60G 217M 3219 nicolargo 0 S 3:40.23 0 0 /usr/bin/gnome-shell
Core 1 °C 65 1.5 1.2 427M 93.4M 1987 root 0 S 4:49.57 0 0 /usr/bin/X :0 -background none -verbose -auth /var/run/gdm/auth-for
Battery % 31 0.6 0.1 401M 7.42M 4128 nicolargo 0 R 0:02.24 0 0 zeitgeist-datahub
0.6 0.2 626M 14.6M 3041 nicolargo 0 S 0:02.61 0 0 /usr/lib/x86_64-linux-gnu/bamf/bamfdaemon
0.6 0.3 918M 20.2M 2744 root 0 S 0:12.63 0 0 /usr/bin/docker -d --dns 8.8.8.8 --dns 8.8.4.4
0.3 0.7 2.07G 53.4M 2072 rabbitmq 0 S 1:05.63 0 0 /usr/lib/erlang/erts-5.10.4/bin/beam.smp -W w -K true -A30 -P 10485
0.3 0.2 468M 16.5M 3325 nicolargo 19 S 0:01.60 0 1K /usr/lib/tracker/tracker-miner-fs
0.3 0.4 1.04G 34.6M 4299 nicolargo 0 S 0:00.52 0 0 /usr/lib/evolution/3.10/evolution-alarm-notify
0.3 0.1 391M 10.1M 3258 nicolargo 0 S 0:01.21 0 0 /usr/lib/telepathy/mission-control-5
0.3 0.1 355M 6.24M 3069 nicolargo 0 S 0:08.60 0 0 /usr/bin/ibus-daemon --daemonize --xim
0.3 0.0 0 0 173 root 0 S 0:00.72 0 0 kworker/2:2
0.3 0.1 341M 4.64M 4133 nicolargo 0 S 0:00.76 0 0 /usr/bin/zeitgeist-daemon
0.3 0.0 39.6M 2.66M 3002 nicolargo 0 S 0:04.69 0 0 dbus-daemon --fork --session --address=unix:abstract=/tmp/dbus-tj7X
0.3 0.5 913M 39.9M 4010 nicolargo 0 S 0:06.59 0 0 /usr/bin/python /usr/bin/terminator
0.3 0.6 474M 46.2M 9079 nicolargo 0 S 0:11.13 0 0 /usr/lib/firefox/plugin-container /usr/lib/flashplugin-installer/li

Warning or critical alerts (lasts 3 entries)
2015-09-19 14:57:17 (ongoing) - CPU_USER (98.4)
2015-09-19 14:54:48 (0:00:20) - CRITICAL on CPU_USER (98.5)
2015-09-19 14:53:25 (0:00:24) - CRITICAL on CPU_USER (98.5)
2015-09-19 14:57:28

```

nicolargo.github.io/glances/



Thank you.



🚢 Screen: www.amazon.co.uk/gp/product/B00YE0UPES

🚢 Case: www.amazon.co.uk/gp/product/B00UYF8SRI

🚢 USB Drive: www.amazon.co.uk/gp/product/B00LLEODCK

🚢 Pi 2 Model B: www.amazon.co.uk/gp/product/B00T531350

