

carbon, graphite and grafana

carbon

install carbon-cache service

```
apt-get install graphite-carbon
```

graphite-web

web interface

```
apt-get install graphite-web

# choose user and password
python /usr/lib/python2.7/dist-packages/graphite/manage.py syncdb
```

adjust user and password and SECRET_KEY (with random string) in `/etc/graphite/local_settings.py`

nginx

```
apt install uwsgi uwsgi-plugin-python
```

</etc/uwsgi/apps-enabled/graphite.ini>

```
[uwsgi]

vacuum = true
master = true
processes = 2
pidfile = /tmp/uwsgi.pid
socket = /tmp/uwsgi.sock
chmod-socket = 666
gid = _graphite
uid = _graphite
chdir = /usr/share/graphite-web
wsgi-file = graphite.wsgi
pymodule-alias =
graphite.local_settings=/etc/graphite/local_settings.py
buffer-size = 65536
plugin = python
```

```
systemctl restart uwsgi
```

/etc/nginx/sites-enabled/graphite

```
upstream graphite {
    server unix:///tmp/uwsgi.sock;
}

server {
    listen 9002;
    server_name localhost;

    access_log /var/log/nginx/graphite-access.log;
    error_log /var/log/nginx/graphite-error.log;

    root /usr/share/graphite-web/static;

    location / {
        add_header Access-Control-Allow-Origin "*";
        add_header Access-Control-Allow-Methods "GET, OPTIONS";
        add_header Access-Control-Allow-Headers "origin, authorization, accept";
        uwsgi_pass graphite;
        include /etc/nginx/uwsgi_params;
    }

    location /media {
        # This makes static media available at the /media/ url. The
        # media will continue to be available during site downtime,
        # allowing you to use styles and images in your maintenance
        page.
        alias /usr/lib/python2.7/dist-
        packages/django/contrib/admin/media;
    }
}
```

grafana

install grafana from TODO. Start grafana-server service and login to <http://localhost:3000> (admin/admin)

[add datasource](#)

Edit data source

Config Dashboards

Name	ha	Default	<input type="checkbox"/>
Type	Graphite		

Http settings

Url	http://localhost:9002
Access	proxy
Http Auth	Basic Auth <input type="checkbox"/>
With Credentials <input type="checkbox"/>	

Success
Data source is working

Save & Test Delete Cancel

From:
<https://wiki.csgalileo.org/> - **Galileo Labs**

Permanent link:
<https://wiki.csgalileo.org/projects/internetofthings/graphite?rev=1486811436>

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