

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 SECRETKEY (with random string) in /etc/graphite/local_settings.py
==== nginx ==== `bash` apt install uwsgi uwsgi-plugin-python `</code>` `<file ini`
/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.localsettings=/etc/graphite/local_settings.py buffer-size = 65536 plugin = python `</file>`

```
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

```
echo "deb https://packagecloud.io/grafana/stable/debian/ jessie main" >
/etc/apt/sources.list.d/grafana.list
curl https://packagecloud.io/gpg.key | sudo apt-key add -
apt update
apt install -y grafana
systemctl enable grafana-server
systemctl start grafana-server
```

Login to <http://localhost:3000> (admin/admin)

[add datasource](#)

The screenshot shows the 'Edit data source' configuration page in Grafana. At the top, there is a navigation bar with the Grafana logo and 'Data Sources'. The main heading is 'Edit data source'. Below it, there are two tabs: 'Config' (selected) and 'Dashboards'. The configuration fields are as follows:

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

A green success message banner reads: 'Success Data source is working'. At the bottom, there are three buttons: 'Save & Test' (green), 'Delete' (orange), and 'Cancel' (grey).

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

Permanent link: <https://wiki.csgalileo.org/projects/internetofthings/graphite?rev=1486820308>

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