carbon, graphite and grafana

carbon

install carbon-cache service

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

extend retention to 1 year

```
[carbon]
pattern = ^carbon\.
retentions = 60:90d

[default]
pattern = .*
retentions = 30s:7d,5m:30d,10m:1y,1d:10y
```

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 ==== <code 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.local*settings=/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;
    }
}
```

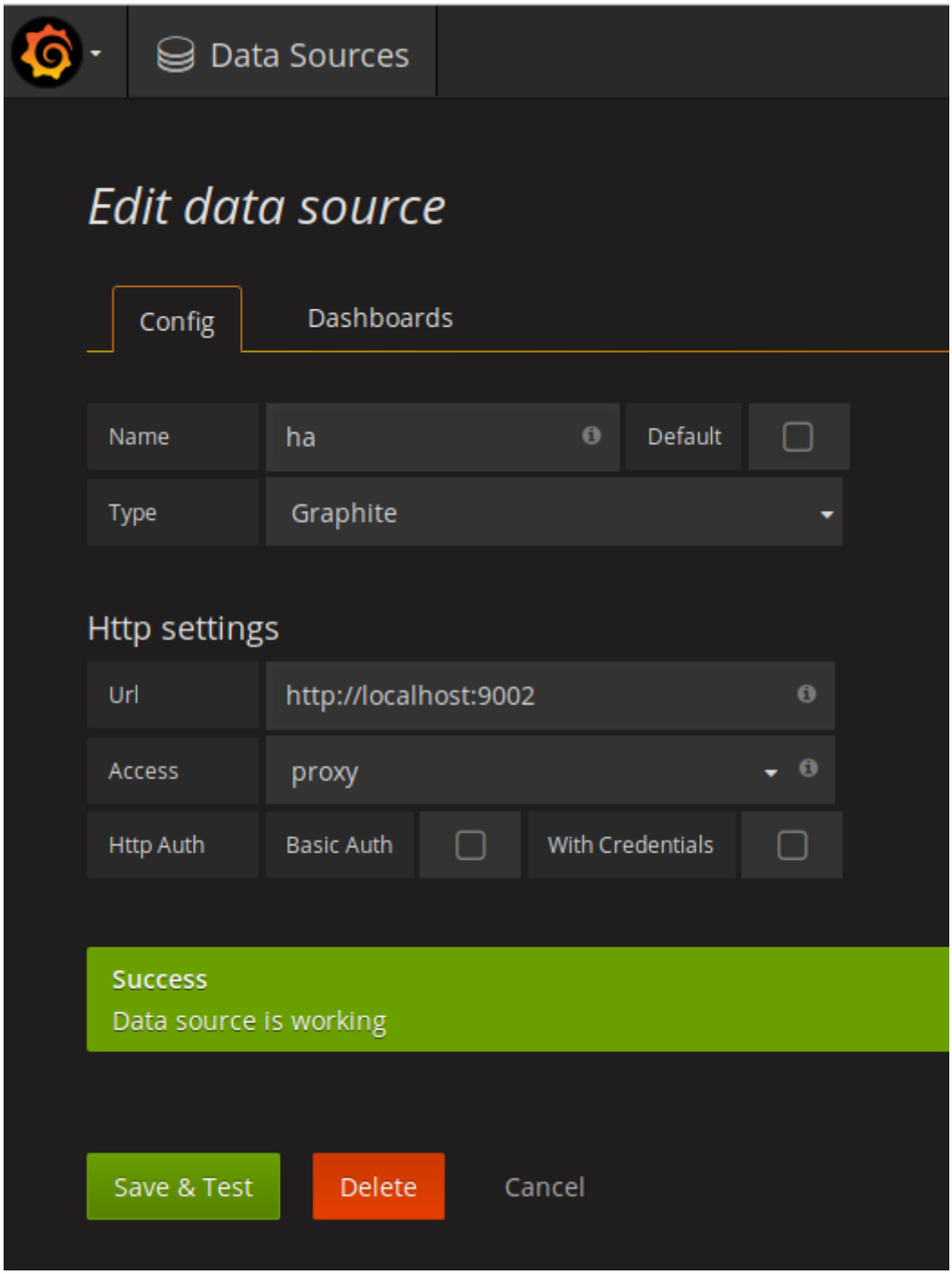
grafana

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



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