

Influxdb & Grafana installieren und einrichten

Influxdb installieren:

```
curl -sL https://repos.influxdata.com/influxdb.key | sudo apt-key add -
```

```
echo "deb https://repos.influxdata.com/debian stretch stable" | sudo tee /etc/apt/sources.list.d/influxdb.list
```

```
sudo apt update
```

```
sudo apt install influxdb
```

```
sudo systemctl enable influxdb
```

```
sudo systemctl start influxdb
```

```
influx
```

```
CREATE DATABASE openhab_db
```

```
CREATE USER admin WITH PASSWORD 'admin' WITH ALL PRIVILEGES
```

```
CREATE USER openhab WITH PASSWORD 'openhab'
```

```
CREATE USER grafana WITH PASSWORD 'grafana'
```

```
GRANT ALL ON openhab_db TO openhab
```

```
GRANT READ ON openhab_db TO grafana
```

```
Exit
```

```
Sudo nano /etc/influxdb/influxdb.conf
```

entfernen und gegebenenf. Werte ändern

http endpoint...

```
enabled = true
```

bind address http service

```
bind-address = „:8086“
```

http authentication

```
auth-enabled = true
```

```
sudo systemctl restart influxdb
```

test-> localhost:8086 -> 404 page not found oder influx eingeben

paperui-> addons persistence-> influx db persistence installieren

```
sudo nano /etc/openhab2/services/influxdb.cfg
```

```
url=http://192.168.2.129:8086
```

```
user=openhab
```

```
password=openhab
```

```
db=openhab_db
```

```
retentionPolicy=autogen
```

```
sudo nano /etc/openhab2/persistence/influxdb.persist
```

Regeln eingeben und Items anlegen

Strategies

```
{
  everyMinute : "0 * * * * ?"
  everyHour   : "0 0 * * * ?"
  everyDay    : "0 0 0 * * ?"
  default = everyChange
}
```

Items

```
{
  Temperature : strategy = everyMinute
}
```

Grafana installieren:

```
wget https://dl.grafana.com/oss/release/grafana\_5.4.3\_armhf.deb
```

```
sudo dpkg -i grafana_5.4.3_armhf.deb
```

```
sudo systemctl enable grafana-server
```

```
sudo systemctl start grafana-server
```

weboberfläche: localhost:3000 benutzer:admin passwort: admin

in grafana -> add data source

namen vergeben

url eingeben

basic auth anhaken

user: grafana

password: grafana

datenbank openhab_db

benutzer grafana

passwort grafana

grafana neues dashboard

auf panel title klicken

dann auf edit

metric-> item auswählen

