

Speedtest2MQTT

Aufbau:

Ubuntu LXC

Software / Shell Script:

speedtest-cli
curl
mosquitto

Speedtest und curl:

<https://www.speedtest.net/de/apps/cli>

```
sudo apt-get install curl
curl -s https://packagecloud.io/install/repositories/ookla/speedtest-cli/script.deb.sh | sudo bash
sudo apt-get install speedtest
```

mosquito:

```
apt install mosquito-client
```

Shell Script:

<https://github.com/roflmao/speedtest2mqtt/blob/master/speedtest2mqtt.sh>

In /root anlegen, Filename: speedtest2mqtt.sh

```
#!/bin/bash
#sends speedtest-cli data as json to MQTT broker
speedtest-cli --simple | perl -pe 's/^(.*): (.*) (.*)?(\\s)?\\n/"$1_$3": $2, /m' | cut -d',' -f 1-3 | while read line
do
# Raw message to MQTT
  echo "${line}" | mosquitto_pub -h 192.168.178.107 -i k77 -l -t "speedtest/k77"
done
```

Ausführbar machen

```
chmod +x speedtest2mqtt.sh
```

CRONTAB anlegen:

```
crontab -e
1,31 * * * * ./speedtest2mqtt.sh
```

Javascript zum parsen und abspeichern in einzelne Datenpunkte

```
var idInput = '_userdata.0.mqtt-sub.speedtest2mqtt'/*speedtest2mqtt*/;
var idDl = '_userdata.0.AnyVars.KD-DL-st2mqtt'/*KD-DL-st2mqtt*/;
var idUl = '_userdata.0.AnyVars.KD-UL-st2mqtt'/*KD-UL-st2mqtt*/;
var idPing = '_userdata.0.AnyVars.KD-Ping-st2mqtt'/*KD-Ping-st2mqtt*/;
var idMw = '_userdata.0.AnyVars.KD-DL-mw'/*KD-DL-mw*/;
var input, mwAlt, mwNeu, pvNeu;
var mwFaktor = 0.1;

on({id:idInput}, function(obj){
  input = JSON.parse(obj.state.val);
  setState(idDl, input.Download_Mbit, true);
  setState(idUl, input.Upload_Mbit, true);
  setState(idPing, input.Ping_ms, true);

  pvNeu = input.Download_Mbit;
  mwAlt = getState(idMw).val;
  mwNeu = Math.round((mwAlt + (mwFaktor * (pvNeu - mwAlt)))*100)/100;
  setState(idMw, mwNeu, true);
});
```