

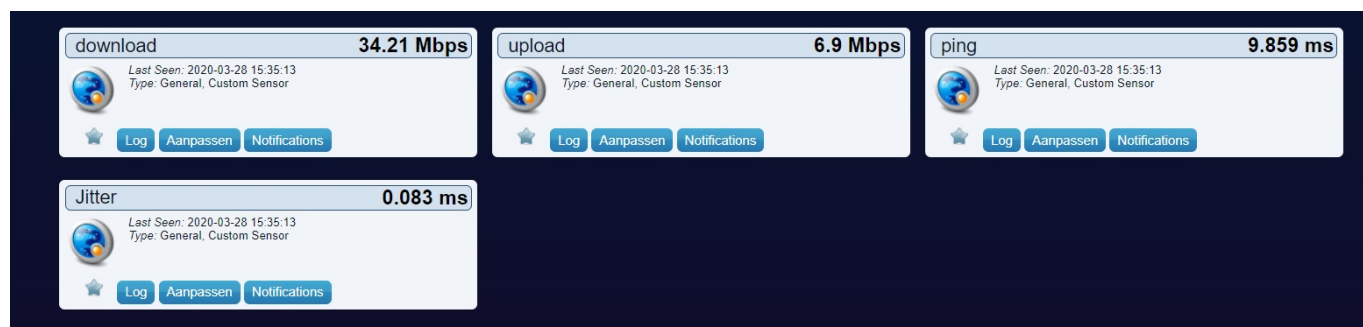
Ookla Speedtest CLI integration

Have been using the speedtest-cli integration for some years, but yesterday swapped to the "speedtest" CLI provided by Ookla. The original speedtest-cli worked well, except for the latency/ping measurements. The Ookla speedtest does measure the ping correctly, so therefore a step forward.

Please note that you can't have them both installed at same time 😊

Maybe this info saves some other people a bit of time to get this running.

1. create dummy sensors
2. store scripts somewhere (e.g. ~/domoticz/scripts)
see below for content
3. modify IDXs in script with IDXs of your virtual sensors
4. remove speedtest-cli (if installed)
sudo apt-get remove speedtest-cli
5. install speedtest from Ookla,
see [Speedtest CLI - Internet connection measurement for developers](#) (see Ubuntu/Debian)
check it works
6. install jq
sudo apt-get install jq
7. verify the script works
check the port on which domoticz runs 😊
8. create a crontab entry to schedule it.
#speedtest
5,20,35,50 * * * * ~~/domoticz/scripts/ooklaspeed.sh > /dev/null 2>&1



Speedtest.jpg (99.89 KiB) Viewed 2110 times



speedtest trend.jpg (121.03 KiB) Viewed 2110 times

-----script content-----

```
#!/bin/bash
# make sure jq is installed
# sudo apt-get install jq

# define domoticz connection
host=192.168.2.107
port=8080

# define ids for domoticz sensors for host
idxpng=3
idxul=2
idxdl=1
idxjit# define location for file
file=/home/marcel/domoticz/ookla.json

# execute the speedtest and store result.
# speedtest --accept-gdpr -f json-pretty > $file
speedtest --accept-gdpr -f json-pretty --server-id=5252 > $file

downraw=$(jq -r '.download.bandwidth' $file)
download=$(printf %.2f\n "$((downraw * 8))e-6")

upraw=$(jq -r '.upload.bandwidth' $file)
upload=$(printf %.2f\n "$((upraw * 8))e-6")

png=$(jq -r '.ping.latency' $file)

jit=$(jq -r '.ping.jitter' $file)

# output if you run it manually
echo "download = $download Mbps"
echo "upload = $upload Mbps"
echo "ping = $png ms"
echo "jitter = $jit ms"

# upload result to Domoticz
curl "http://$host:$port/json.htm?
username=cGk=&password=TWfYz3IhZXrANzA=&type=command&m=udevice&idx=$idxdl&svalue=$downl$
curl "http://$host:$port/json.htm?
username=cGk=&password=TWfYz3IhZXrANzA=&type=command&m=udevice&idx=$idxul&svalue=$uploa$
curl "http://$host:$port/json.htm?
username=cGk=&password=TWfYz3IhZXrANzA=&type=command&m=udevice&idx=$idxpng&svalue=$png"$
curl "http://$host:$port/json.htm?
username=cGk=&password=TWfYz3IhZXrANzA=&type=command&m=udevice&idx=$idxjit&svalue=$jit"$
```

Install Ookla speed test

```
sudo apt-get install gnupg1 apt-transport-https dirmngr
export INSTALL_KEY=379CE192D401AB61
sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys $INSTALL_KEY
echo "deb https://ookla.bintray.com/debian generic main" | sudo tee /etc/apt/sources.list.d/speedtest.list
sudo apt-get update
```

Other non-official binaries will conflict with Speedtest CLI Example how to remove using apt-get sudo apt-get remove speedtest-cli

```
sudo apt-get install speedtest
```