

# Speed Test from the Command Line

For a lot of projects, I don't want the GUI, so I have to do everything from the command line (CLI). One thing I do on Windows a fair amount is speed tests, to ensure networking speeds are okay, and now I can do this from the Raspbian CLI.

Open a terminal and enter:

```
sudo apt-get install python-pip
sudo easy_install speedtest-cli
```

To start a test:

```
speedtest-cli
```

You should get an output like:

```
$ speedtest-cli
Retrieving speedtest.net configuration...
Retrieving speedtest.net server list...
Testing from Zen Internet (your external IP)...
Selecting best server based on latency...
Hosted by SoftLayer Technologies, Inc. (London) [2.56 km]: 25.817 ms
Testing download speed.....
Download: 3.52 Mbit/s      - HERE IS YOUR DOWNLOAD SPEED
Testing upload speed.....
Upload: 2.91 Mbit/s      - HERE IS YOUR UPLOAD SPEED
```

## Some real world tests

On a Pi Zero with a crappy eBay USB Nic I got:  
Download: 3.52 Mbit/s  
Upload: 2.91 Mbit/s

On a Pi Zero with a branded (Belkin) USB 2.0 Adapter I got:  
Download: 44.40 Mbit/s  
Upload: 17.00 Mbit/s

My max DL on my PC is 50Mb/s and my max UL is 18Mb/s, so the Pi Zero and Belkin are working very well.

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Last update: **2023/03/09 22:35**

