

How to do a Speedtest

<https://campus.barracuda.com/doc/79467301/>

If you are experiencing irregularities in network performance or occasional network dropouts, you can use a tool for testing the state and speed of your network connection. The simplest way to use the tool is to enter the command without any parameters. The tool will contact a testing server and perform a sequence of tests. When completed, the tool displays the measurement results on the command line.

Default Syntax for Executing the Speedtest Tool

To execute the tool for speedtesting, log into the command line interface on your firewall as user 'root' and enter the command below. The tool will send output to your console. Note that the output in the following codeblock contains <content> that will be replaced by individual data collected on your firewall:

```
/usr/bin/speedtest
```

```
Retrieving speedtest.net configuration...
```

```
Testing from <from Your Company> (<IP address>)...
```

```
Retrieving speedtest.net server list...
```

```
Selecting best server based on ping...
```

```
Hosted by <hoster> [<distance> km]: 17.837 ms
```

```
Testing download
```

```
speed.....
```

```
.....
```

```
.Download: 62.66 Mbit/s
```

```
Testing upload
```

```
speed.....
```

```
.....
```

```
Upload: 63.44 Mbit/s
```

Optional Parameters for Speedtest

You can execute `/usr/bin/speedtest` with optional parameters for fine tuning the behavior of the tool:

```
/usr/bin/speedtest -h
```

```
usage: speedtest [-h] [--no-download] [--no-upload] [--bytes] [--share]
               [--simple] [--csv] [--csv-delimiter CSV_DELIMITER]
```

```

[--csv-header] [--json] [--list] [--server SERVER]
[--exclude EXCLUDE] [--mini MINI] [--source SOURCE]
[--timeout TIMEOUT] [--secure] [--no-pre-allocate]
[--version]

```

Optional arguments

Argument	Meaning
-h, --help	Show this help message and exit.
--no-download	Do not perform download test.
--no-upload	Do not perform upload test.
--bytes	Display values in bytes instead of bits. Does not affect the image generated by --share, nor output from --json or --csv.
--share	Generate and provide a URL to the speedtest.net share results image, not displayed with --csv.
--simple	Suppress verbose output, only show basic information.
--csv	Suppress verbose output, only show basic information in CSV format. Speeds listed in bit/s and not affected by --bytes.
--csv-delimiter CSV_DELIMITER	Single character delimiter to use in CSV output. Default ","
--csv-header	Print CSV headers.
--json	Suppress verbose output; only show basic information in JSON format. Speeds listed in bit/s and not affected by --bytes.
--list	Display a list of speedtest.net servers sorted by distance.
--server SERVER	Specify a server ID to test against. Can be supplied multiple times.
--exclude EXCLUDE	Exclude a server from selection. Can be supplied multiple times.
--mini MINI	URL of the Speedtest Mini server.
--source SOURCE	Source IP address to bind to.
--timeout TIMEOUT	HTTP timeout in seconds. Default 10.
--secure	Use HTTPS instead of HTTP when communicating with speedtest.net operated servers.
--no-pre-allocate	Do not pre-allocate upload data. Pre-allocation is enabled by default to improve upload performance. To support systems with insufficient memory, use this option to avoid a MemoryError.
--version	Show the version number and exit.

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