

# Email yourself an internet speed test report

Run Ookla's speed test on a Linux box and email the result, for example to keep a record of your ISP's performance.

## Install the Ookla CLI

Install it from Ookla's package repository, rather than piping a web script into `sudo bash`:

```
# Download the repo setup script, read it, then run it
curl -fsSLo /tmp/ookla.sh https://packagecloud.io/install/repositories/ookla/speedtest-cli/script.rpm.sh
less /tmp/ookla.sh && sudo bash /tmp/ookla.sh
sudo dnf install speedtest
```

To check whether a package is installed, use `rpm -q speedtest`. `rpm -qa speedtest` always returns success, even when the package is missing.

## Run and send

```
#!/bin/bash
set -euo pipefail
tmp=$(mktemp -d); trap 'rm -rf "$tmp"' EXIT
speedtest --accept-license --accept-gdpr > "$tmp/speedtest.txt"
enscript -q -p - "$tmp/speedtest.txt" | ps2pdf - "$tmp/speedtest.pdf"
mutt -s "Speed test $(hostname -s) $(date +%F)" -a "$tmp/speedtest.pdf" -- you@example.com <
"$tmp/speedtest.txt"
```

Points to note:

- Run `mutt` in the **foreground**. If you background it with `&` and then delete the attachment, the email can go out without it.
- Use `mktemp` rather than fixed names in `/tmp`.

# Requirements

`speedtest`, `enscript`, `ghostscript` (`ps2pdf`), `mutt` and a working mail relay.

## Schedule it (optional)

```
0 7 * * * root /usr/local/bin/speedtest-report.sh
```

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