

# Systemd Hilfe

## The system scheduler

In both Debian 9 (stretch) and Debian 10 (buster), the process is started by the following two systemd timers:

- **apt-daily.timer**, which via apt-daily.service calls /usr/lib/apt/apt.systemd.daily update to update the package lists (apt-get update), and
- **apt-daily-upgrade.timer**, which via apt-daily-upgrade.service calls /usr/lib/apt/apt.systemd.daily install to install the upgrades (unattended-upgrade).

(The anacron job /etc/cron.daily/apt-compat still exists, but exits if it detects systemd. Without systemd, it will run /usr/lib/apt/apt.systemd.daily without sub-command, which means both update and install. See other answers or anacron documentation on changing the schedule if you don't use systemd.)

The systemd timers can be set to trigger at a higher frequency, in your example every four hours, by overriding the default schedule. First, for updating the package list:

```
$ systemctl edit apt-daily.timer
This creates /etc/systemd/system/apt-daily.timer.d/override.conf. Fill it as follows:

[Timer]
OnCalendar=*-*-* 0,4,8,12,16,20:00
RandomizedDelaySec=15m
```

Then, for the actual upgrades 20 minutes later:

```
$ systemctl edit apt-daily-upgrade.timer

[Timer]
OnCalendar=*-*-* 0,4,8,12,16,20:20
RandomizedDelaySec=1m
```

To check your work:

```
$ systemctl cat apt-daily{,-upgrade}.timer
$ systemctl --all list-timers apt-daily{,-upgrade}.timer
```

(Taken partly from [Debian Wiki: UnattendedUpgrades.](#))

## Geplante Task

## Geplanter Reboot

Für ein reboot am selbigen Tag um 23:00 könnte man folgendes als root ausführen:

```
systemd-run --on-calendar '23:00' -- systemctl reboot
```

solche run units werden im RAM gespeichert und laufen periodisch so lange bis zum nächsten reboot. Also falls man sowas für einen job verwenden will der nur einmalig triggern sollte (und nicht durch ein reboot eh resettet), einfach das Datum als YYYY-MM-DD vor der Uhrzeit hängen, etwa:

```
systemd-run --on-calendar '2023-02-08 23:00' -- systemctl reboot
```

From:

<https://www.cooltux.net/> - TuxNet DokuWiki

Permanent link:

<https://www.cooltux.net/doku.php?id=it-wiki:linux:systemd&rev=1675970213>

Last update: **2023/02/09 19:16**

