

Sharing your pacman cache on the LAN

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CacheServer

- Introduced in pacman 6.1.0
- Not used for pacman database files
- Not removed when a package cannot be found (HTTP 404)

Requirements

- An Arch server / container / virtual machine on your LAN
- A HTTP(S) server
- systemd timer

HTTP(S) server

```
python -m http.server -d /var/cache/pacman/pkg/
```

Client configuration

```
head -n 1 /etc/pacman.d/mirrorlist  
CacheServer = http://server-ip:port
```

Timer

```
# /etc/systemd/system/pacman-cache.timer
[Unit]
Description=Daily pacman cache timer

[Timer]
OnCalendar=daily
Persistent=true

[Install]
WantedBy=timers.target
```

Unit

Requires pacman-contrib and fakeroot

```
# /etc/systemd/system/pacman-cache.service
[Unit]
Description=pacman cache download service

[Service]
Type=oneshot
ExecStart=/usr/bin/checkupdates -d
```

Pacman go brrrrrrrr

```
[jelle@taco ~]$ sudo pacman -Syuw
:: Synchronizing package databases...
   core is up to date
   extra is up to date
:: Starting full system upgrade...
resolving dependencies...
```

```
Packages (1) linux-6.18.7.arch1-1
```

```
Total Download Size: 142.97 MiB
```

```
:: Proceed with download? [Y/n] y
```

```
:: Retrieving packages...
```

```
linux-6.18.7.arch1-1-x86_64      143.0 MiB    110 MiB/s 00:01 [#####]
```

Wiki

More detailed examples are available on the wiki!

https://wiki.archlinux.org/title/Package_proxy_cache

Questions