

Arch Linux

Basics

1.1. Get OS Version

- `uname -a/-r`
- `bashcat /etc/os-release`

Pacman

Removing Packages -R

Remove package and leave all its dependencies installed

```
pacman -R package_name
```

Options

- `-Rs`: Remove package and all dependencies not required by any other package.
- `-R=`:

Query Packages -Q

List All Installed Packages

```
pacman -Qqe
```

List All Foreign (Aurman) Installed Packages

```
pacman -Qm
```

Linux Applications

Screenshots with Grim

```
grim screenshot.png
```

Options

- `-o`: specify output device.
- `-g`: specify region e.g. as "10,20 300x400"

1.1. Slurp: Select a Region By Mouse

```
grim -g "$(slurp)" screenshot.png
```

ZIP File Format

2.1. Creating ZIP Files

```
zip -9 -r file.zip folder/
```

Portable Document Format (PDF)

Searching within PDFs

Secure Shell Protocol (SSH)

File Transfer using SSH

Secure copy protocol (SCP)

In order to copy files from/to the server we may use `scp`:

```
scp [optional] source destination
```

- `-r`: copying an entire directory.

Example Listening 3.1

```
scp -r source/folder username@host:destination
```

Note: graphical user interfaces

we may use graphical interfaces s.a. MacFUSE, Macfusion, Cyberduck, Filezilla.

Remote Sync (rsync)

Hallo

Filesystem in Userspace (FUSE)

- **Mounting the file system:**

```
sshfs pollakg@euler.ethz.ch:[foldertomount] mountpoint
```

- ◆ `foldertomount`: e.g. `/cluster/` or `/cluster/home/pollakg/`.
- ◆ `mountpoint`: can be an arbitrary non-existing folder: e.g. `./euler`.
- **Unmounting the file system:** `umount mountpoint`