

## Linux Essentials: Hoofdstuk 6, Software en pakketten.

### Oefening 1:

- `student@student:~$ sudo apt update`

### Oefening 2:

- `student@student:~$ sudo apt upgrade`

### Oefening 3:

- `student@student:~$ sudo apt search usage and stats`
- `student@student:~$ sudo apt install btop`

### Oefening 4:

- `student@student:~$ sudo apt search colorful cat`
- `student@student:~$ sudo apt install lolcat`

### Oefening 5:

- `student@student:~$ sudo apt install neofetch && neofetch`

### Oefening 6:

- `student@student:~$ sudo apt search the matrix`
- `student@student:~$ sudo apt install cmatrix`

### Oefening 7:

- `student@student:~$ sudo apt remove btop`

### Oefening 8:

- `student@student:~$ sudo apt search caca-utils`
- `student@student:~$ sudo apt show caca-utils`
- `student@student:~$ cacafire`
- `student@student:~$ cacademo`

### Oefening 9:

- `student@student:~$ sudo snap find resource monitor`

### Oefening 10:

- `student@student:~$ sudo snap install bashtop`

### Oefening 11:

- `student@student:~$ snap run bashtop`

### Oefening 12:

- `student@student:~$ sudo snap connect bashtop:mount-observe`

### Oefening 13:

- `student@student:~$ snap list`

### Oefening 14:

- `student@student:~$ sudo snap remove bashtop`

### Oefening 15:

- `student@student:~$ snap list`

Oefening 16:

- `student@student:~$ snap changes`

Oefening 17:

- `student@student:~$ snap find asciiquarium`
- `student@student:~$ sudo snap install asciiquarium`
- `student@student:~$ snap info asciiquarium`
- `student@student:~$ snap run asciiquarium`

Oefening 18:

- `student@student:~$ zip -r /tmp/myhomefolder.zip /home/student`

Oefening 19:

- `student@student:~$ zip -d /tmp/myhomefolder.zip /home/student/.bash_history`
- `student@student:~$ unzip -l /tmp/myhomefolder.zip`

Oefening 20:

- `student@student:~$ mkdir /tmp/zipdemo`
- `student@student:~$ unzip /tmp/myhomefolder.zip -d /tmp/zipdemo`
- `student@student:~$ tree /tmp/zipdemo`

Oefening 21:

- `student@student:~$ tar -cvzf /tmp/myhomefolder.tar.gz /home/student`
- `student@student:~$ tar --list -f /tmp/myhomefolder.tar.gz`
- `student@student:~$ mkdir /tmp/tardemo`
- `student@student:~$ tar -xf /tmp/myhomefolder.tar.gz -C /tmp/tardemo`
- `student@student:~$ tree /tmp/tardemo`

extra uitleg:

**tar**: Command for working with tar archives.

1. **-C**: Flag to create a new archive.
2. **-v**: Flag for verbose output (displays progress).
3. **-z**: Flag to use gzip compression.
4. **-f**: Flag to specify the archive filename.
5. **/home/student**: Path of the directory to be archived.

Unzips van tarball:

**tar**: Command for working with tar archives.

1. **-x**: Flag to extract the contents of an archive.
2. **-f /tmp/myhomefolder.tar.gz**: Flag and argument specifying the archive file to be extracted, which is **/tmp/myhomefolder.tar.gz**.
3. **-C /tmp/tardemo**: Flag and argument indicating the directory where the extracted files and directories will be placed. In this case, they will be placed in the **/tmp/tardemo** directory.

#### Oefening 22:

- `student@student:~$ mkdir /tmp/original_extracted`
- `student@student:~$ tar -xzvf /tmp/myhomefolder.tar.gz -C /tmp/original_extracted`
- `student@student:~$ rm /tmp/original_extracted/home/student/.bashrc`
- `student@student:~$ tar -czvf /tmp/myhomefolder_updated.tar.gz -C /tmp/original_extracted .`
- `student@student:~$ rm -r /tmp/original_extracted`

#### Oefening 23 & 24:

- niet mogelijk op CLI (server die we moeten gebruiken)