

# Linux Cheat Sheet

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This is a short cheat sheet of Linux commands, with a focus on Raspberry Pi OS (previously known as Raspbian). `<parameters>` means required, `[means optional]`. Commands marked with an `*` will usually have to be run as superuser, which can be done by prepending **sudo** in front of them. Most commands support various flags, check their help pages.

## 1 Basic commands

**sudo** `<command>` Run a command as superuser.

**cd** `<folder>` Change current directory.

**cd** `..` Go up one level of folders.

**cd** Go to your current users home directory.

**ls** `[folder]` Shows the contents of a folder.

**pwd** Prints the path to your current folder.

**cat** `<filename>` Shows the contents of a file

**mv** `<source>` `<destination>` Move or rename a file or folder.

**cp** `<source>` `<destinasjon>` Copy a file.

**cp -r** `<source>` `<destination>` Copy a folder.

**rm** `<file>` Delete a file.

**rm -r** `<folder>` Delete a folder.

**mkdir** `<foldername>` Create a new folder.

**touch** `<filename>` Create a new empty file.

**man** `<command>` View the manual page of a command.

**\*chmod** `+x` `<filename>` Make a file executable.

**\*poweroff** Turn off the machine.

**\*reboot** Reboot the machine.

## 2 Package management with APT

**\*apt install** `<packagename>` Install a package.

**\*apt update** Update the index of available packages.

**\*apt upgrade** Update all installed packages.

**apt search** `<query>` Search for a package.

**\*apt remove** `<packagename>` Remove a package.

**\*apt autoremove** Remove packages that are no longer needed.

## 3 Useful programs

**nano** `<filename>` Edit a text file.

**\*raspi-config** Open the Raspberry Pi settings.

**grep** `<query>` **-f** `<filename>` Search for lines that contains the query inside of filename.

**wget** `<link>` Download the file located at an URL.

## 4 Useful chained commands

`<command>` | **grep** `<query>` Filter the output of **command** to only lines that contain **query**

`<command>` | **more** Scroll through the output of a command.

`<command>` > `<filename>` Save the output of **command** as **filename**.