

Linux Commands

- **pwd** : Present Working Directory.

```
vboxuser@Ubuntu:~$ pwd
/home/vboxuser
```

- **cd**: Change Directory
- **cd /**: Root Directory
- **cd ~**: Home Directory
- **ls**: List of files.

```
vboxuser@Ubuntu:~$ cd /
vboxuser@Ubuntu:/ $ ls
bin          dev          lib64        mnt          run          srv          var
bin.usr-is-merged  etc          lib.usr-is-merged  opt          sbin         sys
boot         home         lost+found    proc         sbin.usr-is-merged tmp
cdrom        lib          media        root         snap         usr
vboxuser@Ubuntu:/ $ cd ~
vboxuser@Ubuntu:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  snap  Templates  Videos
```

- **ll**: Long and detailed list of files.

```
vboxuser@Ubuntu:~$ ll
total 80
drwxr-x--- 16 vboxuser vboxuser 4096 Dec  8 08:52 ./
drwxr-xr-x  3 root      root    4096 Dec  4 07:12 ../
-rw-r----- 1 vboxuser vboxuser 1378 Dec  8 08:51 .bash_history
-rw-r----- 1 vboxuser vboxuser  220 Mar 31 2024 .bash_logout
-rw-r----- 1 vboxuser vboxuser 3771 Mar 31 2024 .bashrc
drwx----- 11 vboxuser vboxuser 4096 Dec  4 08:35 .cache/
drwx----- 13 vboxuser vboxuser 4096 Dec  8 06:25 .config/
drwxr-xr-x  2 vboxuser vboxuser 4096 Dec  8 08:51 Desktop/
drwxr-xr-x  2 vboxuser vboxuser 4096 Dec  4 07:17 Documents/
drwxr-xr-x  2 vboxuser vboxuser 4096 Dec  8 08:49 Downloads/
drwx----- 2 vboxuser vboxuser 4096 Dec  8 08:52 .gnupg/
drwx----- 4 vboxuser vboxuser 4096 Dec  4 07:17 .local/
drwxr-xr-x  2 vboxuser vboxuser 4096 Dec  4 07:17 Music/
drwxr-xr-x  2 vboxuser vboxuser 4096 Dec  4 07:17 Pictures/
-rw-r----- 1 vboxuser vboxuser  807 Mar 31 2024 .profile
drwxr-xr-x  2 vboxuser vboxuser 4096 Dec  4 07:17 Public/
drwx----- 4 vboxuser vboxuser 4096 Dec  8 06:00 snap/
drwx----- 2 vboxuser vboxuser 4096 Dec  4 07:12 .ssh/
drwxr-xr-x  2 vboxuser vboxuser 4096 Dec  4 07:17 Templates/
drwxr-xr-x  2 vboxuser vboxuser 4096 Dec  4 07:17 Videos/
```

Linux Commands

- **cd ..** : go back one step in the directory.

- **cd ../../** : go back two steps in the directory.

```
vboxuser@Ubuntu:~/Downloads/Klop$ pwd
/home/vboxuser/Downloads/Klop
vboxuser@Ubuntu:~/Downloads/Klop$ cd ..
vboxuser@Ubuntu:~/Downloads$ cd ../../
vboxuser@Ubuntu:/home$ pwd
/home
vboxuser@Ubuntu:/home$
```

- **ls -ltr**: List of most recently modded files.

```
vboxuser@Ubuntu:~$ ls -ltr
total 36
drwxr-xr-x 2 vboxuser vboxuser 4096 Dec  4 07:17 Videos
drwxr-xr-x 2 vboxuser vboxuser 4096 Dec  4 07:17 Templates
drwxr-xr-x 2 vboxuser vboxuser 4096 Dec  4 07:17 Public
drwxr-xr-x 2 vboxuser vboxuser 4096 Dec  4 07:17 Pictures
drwxr-xr-x 2 vboxuser vboxuser 4096 Dec  4 07:17 Music
drwxr-xr-x 2 vboxuser vboxuser 4096 Dec  4 07:17 Documents
drwx----- 4 vboxuser vboxuser 4096 Dec  8 06:00 snap
drwxr-xr-x 2 vboxuser vboxuser 4096 Dec  8 08:51 Desktop
drwxr-xr-x 3 vboxuser vboxuser 4096 Dec  8 09:18 Downloads
```

- **mkdir** : Make a new directory/folder.

```
vboxuser@Ubuntu:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  snap  Templates  Videos
vboxuser@Ubuntu:~$ mkdir Klop
vboxuser@Ubuntu:~$ ls
Desktop  Downloads  Music  Public  Templates
Documents  Klop  Pictures  snap  Videos
```

- **ls -a**: List of files along with hidden files.

- **mv**: Move/Rename/hide/unhide file.

```
vboxuser@Ubuntu:~$ mv Klop /home/vboxuser/Desktop
vboxuser@Ubuntu:~$ cd Desktop/
vboxuser@Ubuntu:~/Desktop$ ls
Klop
vboxuser@Ubuntu:~/Desktop$ mv Klop .Klop
vboxuser@Ubuntu:~/Desktop$ ls
vboxuser@Ubuntu:~/Desktop$ ls -a
.  ..  .Klop
```

Linux Commands

- **rm** – Remove file.
- **touch** – Create a new file with 0 size.

```
vboxuser@Ubuntu:~/Desktop/Klop$ touch why
vboxuser@Ubuntu:~/Desktop/Klop$ ls
why
vboxuser@Ubuntu:~/Desktop/Klop$ rm why
vboxuser@Ubuntu:~/Desktop/Klop$ ls
```

- **rm -rf**: delete entire directory. (irreversible)

```
vboxuser@Ubuntu:~/Desktop$ ls
Klop
vboxuser@Ubuntu:~/Desktop$ rm -rf Klop
vboxuser@Ubuntu:~/Desktop$ ls
```

- **cp -r**: copy the selected directory.

```
vboxuser@Ubuntu:~$ ls
Desktop  Downloads  Music      Public  Templates
Documents Klop       Pictures   snap    Videos
vboxuser@Ubuntu:~$ cp -r Klop /home/vboxuser/Desktop
vboxuser@Ubuntu:~$ cd Desktop/
vboxuser@Ubuntu:~/Desktop$ ls
Klop
vboxuser@Ubuntu:~/Desktop$ cd ~
vboxuser@Ubuntu:~$ ls
Desktop  Downloads  Music      Public  Templates
Documents Klop       Pictures   snap    Videos
```

- **cat** – view the file content.
- **wc** – word count. 2 is number of lines, 4 is number of characters, 27 is size of the file in the below screenshot.
- **:wq!**: save and exit from the editor.
- **vi** – add content to a file.
- **vi filename** – If there is no created file, it will create file and launch the editor.

```
vboxuser@Ubuntu:~/Klop$ vi World
vboxuser@Ubuntu:~/Klop$ cat World
Hello World
Enough Already
vboxuser@Ubuntu:~/Klop$ wc World
 2  4 27 World
```

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