

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-----  1 vboxuser vboxuser 1378 Dec  8 08:51 .bash_history  
-rw-r--r--  1 vboxuser vboxuser  220 Mar 31 2024 .bash_logout  
-rw-r--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--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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