

Basic Linux Commands

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```
[manjaro@manjaro ~]$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
[manjaro@manjaro ~]$ ls -a
.          .bash_profile .config  Documents .ICEauthority .nanorc  Public  .vboxclient-clipboard.pid  Videos  .xinitrc
..         .bashrc      Desktop  Downloads .local        Pictures .screenrc .vboxclient-draganddrop.pid .Xauthority .xsession-errors
.bash_logout .cache       .dir_colors .gnupg      Music        .profile Templates .vboxclient-seamless.pid  .Xclients  .zshrc
[manjaro@manjaro ~]$ ls -A
.bash_logout .cache .dir_colors .gnupg      Music .profile Templates .vboxclient-seamless.pid .Xclients  .zshrc
.bash_profile .config Documents .ICEauthority .nanorc Public  .vboxclient-clipboard.pid Videos  .xinitrc
.bashrc      Desktop Downloads .local        Pictures .screenrc .vboxclient-draganddrop.pid .Xauthority .xsession-errors
[manjaro@manjaro ~]$ ls -d
.
```

```
[manjaro@manjaro ~]$ tree
bash: tree: command not found
[manjaro@manjaro ~]$ tree dir
bash: tree: command not found
[manjaro@manjaro ~]$ tree Desktop
bash: tree: command not found
[manjaro@manjaro ~]$ tree -d Desktop
bash: tree: command not found
[manjaro@manjaro ~]$ tree -d Documents
bash: tree: command not found
```

```
[manjaro@manjaro ~]$ pwd
/home/manjaro
[manjaro@manjaro ~]$ cd Desktop
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam.txt
[manjaro@manjaro Desktop]$ cp payam.txt MyFolder
[manjaro@manjaro Desktop]$ cd MyFolder
[manjaro@manjaro MyFolder]$ ls
payam.txt
[manjaro@manjaro MyFolder]$ cd ..
[manjaro@manjaro Desktop]$
```

```
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam2.txt  payam.txt
[manjaro@manjaro Desktop]$ mv payam2.txt MyFolder
[manjaro@manjaro Desktop]$ cd MyFolder
[manjaro@manjaro MyFolder]$ ls
payam2.txt  payam.txt
[manjaro@manjaro MyFolder]$ cd ..
[manjaro@manjaro Desktop]$
```

```
[manjaro@manjaro Desktop]$ ln MyFolder/payam2.txt
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam2.txt  payam.txt
[manjaro@manjaro Desktop]$
```

```
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam2.txt  payam.txt
[manjaro@manjaro Desktop]$ rm -f payam2.txt
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam.txt
[manjaro@manjaro Desktop]$
```

```
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam.txt
[manjaro@manjaro Desktop]$ find MyFolder
MyFolder
MyFolder/payam2.txt
MyFolder/payam.txt
[manjaro@manjaro Desktop]$
```

```
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam.txt
[manjaro@manjaro Desktop]$ cd MyFolder
[manjaro@manjaro MyFolder]$ diff payam.txt payam2.txt
1c1
< Salam Azizam!
\ No newline at end of file
---
> Salam Koochoooloo!
\ No newline at end of file
[manjaro@manjaro MyFolder]$ cd ..
[manjaro@manjaro Desktop]$
```

```
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam.txt
[manjaro@manjaro Desktop]$ cd MyFolder
[manjaro@manjaro MyFolder]$ grep -i "azizam" payam.txt
Salam Azizam!
[manjaro@manjaro MyFolder]$
```

```
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam.txt
[manjaro@manjaro Desktop]$ cd MyFolder
[manjaro@manjaro MyFolder]$ cat payam2.txt
Salam Koochooloo! [manjaro@manjaro MyFolder]$
```

```
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam.txt
[manjaro@manjaro Desktop]$ cd MyFolder
[manjaro@manjaro MyFolder]$ tail payam2.txt
Salam Koochooloo! [manjaro@manjaro MyFolder]$
```

```
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam.txt
[manjaro@manjaro Desktop]$ cd MyFolder
[manjaro@manjaro MyFolder]$ ls
payam2.txt  payam.txt
[manjaro@manjaro MyFolder]$ head payam.txt
Salam Azizam! [manjaro@manjaro MyFolder]$
```

```
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam.txt
[manjaro@manjaro Desktop]$ cd MyFolder
[manjaro@manjaro MyFolder]$ ls
payam2.txt  payam.txt
[manjaro@manjaro MyFolder]$ tac payam2.txt
Salam Koochooloo! [manjaro@manjaro MyFolder]$
```

```
[manjaro@manjaro Desktop]$ cd MyFolder
[manjaro@manjaro MyFolder]$ ls
payam2.txt  payam.txt
[manjaro@manjaro MyFolder]$ cut -b 1-4 payam.txt
Sala
[manjaro@manjaro MyFolder]$
```

```
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam.txt
[manjaro@manjaro Desktop]$ cd MyFolder
[manjaro@manjaro MyFolder]$ ls
payam2.txt  payam.txt
[manjaro@manjaro MyFolder]$ uniq -c payam2.txt
      1 Salam Koochooloo!
[manjaro@manjaro MyFolder]$
```

```
[manjaro@manjaro ~]$ cd Desktop
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam.txt
[manjaro@manjaro Desktop]$ cd MyFolder
[manjaro@manjaro MyFolder]$ ls
payam2.txt  payam.txt
[manjaro@manjaro MyFolder]$ sort -n payam.txt
Halet Khube?
Salam Azizam!
[manjaro@manjaro MyFolder]$
```

```
[manjaro@manjaro ~]$ cd Desktop
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam.txt
[manjaro@manjaro Desktop]$ cd MyFolder
[manjaro@manjaro MyFolder]$ ls
payam2.txt  payam.txt
[manjaro@manjaro MyFolder]$ du -c payam.txt
4      payam.txt
4      total
[manjaro@manjaro MyFolder]$
```

```
[manjaro@manjaro ~]$ cd Desktop
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam.txt
[manjaro@manjaro Desktop]$ cd MyFolder
[manjaro@manjaro MyFolder]$ ls
payam2.txt  payam.txt
[manjaro@manjaro MyFolder]$ df -h payam.txt
Filesystem      Size  Used Avail Use% Mounted on
-                1.5G  210M  1.3G   15% /
[manjaro@manjaro MyFolder]$
```

```
[manjaro@manjaro ~]$ ps -e
```

PID	TTY	TIME	CMD
1	?	00:00:01	systemd
2	?	00:00:00	kthreadd
3	?	00:00:00	rcu_gp
4	?	00:00:00	rcu_par_gp
5	?	00:00:00	netns
7	?	00:00:00	kworker/0:0H-events_highpri
9	?	00:00:00	kworker/0:1H-kblockd
10	?	00:00:00	mm_percpu_wq
12	?	00:00:00	rcu_tasks_kthre
13	?	00:00:00	rcu_tasks_rude_
14	?	00:00:00	rcu_tasks_trace
15	?	00:00:00	ksoftirqd/0
16	?	00:00:00	rcu_preempt
17	?	00:00:00	rcub/0
18	?	00:00:00	rcuc/0
19	?	00:00:00	migration/0
20	?	00:00:00	idle_inject/0
22	?	00:00:00	cpuhp/0
23	?	00:00:00	kdevtmpfs
24	?	00:00:00	inet_frag_wq
25	?	00:00:00	kauditd
26	?	00:00:00	khungtaskd
27	?	00:00:00	oom_reaper
28	?	00:00:00	writeback
29	?	00:00:00	kcompactd0
30	?	00:00:00	ksmd
31	?	00:00:00	khugepaged
75	?	00:00:00	kintegrityd
76	?	00:00:00	kblockd
77	?	00:00:00	blkcg_punt_bio
78	?	00:00:00	ata_sff

```
[manjaro@manjaro ~]$ ps -h
```

2247	pts/0	Ss	0:00	bash
2400	pts/0	R+	0:00	ps -h

```
[manjaro@manjaro ~]$
```

```
top - 04:48:25 up 18 min, 1 user, load average: 0.13, 0.26, 0.56
Tasks: 150 total, 1 running, 149 sleeping, 0 stopped, 0 zombie
%Cpu(s): 5.6 us, 3.0 sy, 0.0 ni, 88.0 id, 0.0 wa, 1.7 hi, 1.7 si, 0.0 st
MiB Mem : 1974.9 total, 138.2 free, 578.9 used, 1257.8 buff/cache
MiB Swap: 0.0 total, 0.0 free, 0.0 used, 1003.2 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
910	root	20	0	405432	109692	57392	S	2.3	5.4	0:33.93	/usr/lib/Xorg :0 -seat seat0 -auth /run/lightdm/root/:0 -nolisten tcp vt7 -novtswitch
2224	manjaro	20	0	645252	70480	47992	S	1.0	3.5	0:08.63	xfce4-terminal
1776	manjaro	20	0	237884	34368	23356	S	0.7	1.7	0:02.46	xfsettingsd --replace
999	manjaro	20	0	972412	109276	83204	S	0.3	5.4	0:05.37	xfwm4
1203	manjaro	20	0	384616	34156	22616	S	0.3	1.7	0:01.76	/usr/lib/xfce4/panel/wrapper-2.0 /usr/lib/xfce4/panel/plugins/libsystray.so 6 12582921 systray +
1204	manjaro	20	0	678592	56360	41692	S	0.3	2.8	0:02.98	/usr/lib/xfce4/panel/wrapper-2.0 /usr/lib/xfce4/panel/plugins/libpulseaudio-plugin.so 9 1258292+
1217	manjaro	20	0	412684	54400	40304	S	0.3	2.7	0:01.77	/usr/lib/xfce4/panel/wrapper-2.0 /usr/lib/xfce4/panel/plugins/libactions.so 2 12582923 actions +
1306	manjaro	20	0	506800	93716	55452	S	0.3	4.6	0:06.13	xfdesktop
1364	manjaro	20	0	420456	66284	40028	S	0.3	3.3	0:02.52	/usr/bin/python /usr/bin/blueman-applet
1368	manjaro	20	0	310360	32868	21512	S	0.3	1.6	0:01.96	light-locker
1381	manjaro	20	0	575568	62732	47320	S	0.3	3.1	0:02.07	nm-applet
1383	manjaro	20	0	426856	57840	43088	S	0.3	2.9	0:02.10	pamac-tray
1415	manjaro	20	0	487188	55120	40744	S	0.3	2.7	0:02.05	/usr/lib/xfce4/notifyd/xfce4-notifyd
2418	manjaro	20	0	10676	4260	3392	R	0.3	0.2	0:00.04	top -c
1	root	20	0	102180	13512	9296	S	0.0	0.7	0:01.82	/sbin/init
2	root	20	0	0	0	0	S	0.0	0.0	0:00.00	[kthreadd]
3	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	[rcu_gp]
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	[rcu_par_gp]
5	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	[netns]
7	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	[kworker/0:0H-events_highpri]
9	root	0	-20	0	0	0	I	0.0	0.0	0:00.44	[kworker/0:1H-events_highpri]
10	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	[mm_percpu_wq]

```
[manjaro@manjaro ~]$ ssh
usage: ssh [-46AaCfGgKkMNnqsTtVvXxYy] [-B bind_interface]
        [-b bind_address] [-c cipher_spec] [-D [bind_address:]port]
        [-E log_file] [-e escape_char] [-F configfile] [-I pkcs11]
        [-i identity_file] [-J [user@]host[:port]] [-L address]
        [-l login_name] [-m mac_spec] [-O ctl_cmd] [-o option] [-p port]
        [-Q query_option] [-R address] [-S ctl_path] [-W host:port]
        [-w local_tun[:remote_tun]] destination [command [argument ...]]
```

```
[manjaro@manjaro ~]$ wget
wget: missing URL
Usage: wget [OPTION]... [URL]...
```

Try 'wget --help' for more options.

```
[manjaro@manjaro ~]$ curl
curl: try 'curl --help' for more information
```

```
[manjaro@manjaro ~]$ mail
mail: /var/spool/mail/manjaro: No such entry, file or directory
mail version v14.9.24. Type '?' for help
(Currently no active mailbox)
No more mail.
mail: There are messages in the error ring, manageable via 'errors' command
?
```

```
[manjaro@manjaro ~]$ cd Desktop
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam.txt
[manjaro@manjaro Desktop]$ cd MyFolder
[manjaro@manjaro MyFolder]$ ls
payam2.txt  payam.txt
[manjaro@manjaro MyFolder]$ chmod +r payam.txt
[manjaro@manjaro MyFolder]$
```

```
[manjaro@manjaro ~]$ cd Desktop
[manjaro@manjaro Desktop]$ ls
calamares.desktop  manjaro-documentation.desktop  MyFolder  payam.txt
[manjaro@manjaro Desktop]$ cd MyFolder
[manjaro@manjaro MyFolder]$ ls
payam2.txt  payam.txt
[manjaro@manjaro MyFolder]$ tar -f payam2.txt --delete
[manjaro@manjaro MyFolder]$ ls
payam2.txt  payam.txt
[manjaro@manjaro MyFolder]$
```