

30 Most Common Linux Commands with Examples

File & Directory Management

ls

```
ls
ls -l    # detailed list
ls -a    # include hidden files
```

pwd

```
pwd
```

cd

```
cd /home/user/Documents
cd ..    # go up one directory
```

mkdir

```
mkdir new_folder
mkdir -p parent/child/grandchild  # create nested dirs
```

rmdir

```
rmdir old_folder
```

rm

```
rm file.txt
rm -r folder_name  # remove directory with contents
rm -rf folder_name # force remove
```

cp

```
cp file.txt backup.txt
cp -r folder1 folder2
```

mv

```
mv oldname.txt newname.txt
mv file.txt /home/user/Documents/
```

touch

```
touch newfile.txt
```

cat

```
cat file.txt
cat file1.txt file2.txt > merged.txt
```

File Viewing & Editing

nano

```
nano file.txt
```

vim

```
vim file.txt
```

less

```
less bigfile.log
```

head

```
head file.txt  
head -n 20 file.txt
```

tail

```
tail file.txt  
tail -f logfile.log    # follow live updates
```

System Information & Processes

whoami

```
whoami
```

uname

```
uname  
uname -a
```

top

```
top
```

htop

```
htop
```

ps

```
ps  
ps aux | grep firefox
```

kill

```
kill 1234  
kill -9 1234    # force kill
```

Searching & Finding Files

find

```
find /home -name "file.txt"
```

grep

```
grep "error" logfile.log  
grep -i "warning" logfile.log
```

locate

```
locate file.txt
```

File Compression & Archiving

tar

```
tar -cvf archive.tar folder/  
tar -xvf archive.tar
```

zip / unzip

```
zip archive.zip file1 file2
unzip archive.zip
```

Permissions & Ownership

chmod

```
chmod 755 script.sh
chmod +x script.sh
```

chown

```
chown user:user file.txt
```

Networking & Package Management

ping

```
ping google.com
```

apt / yum

```
sudo apt update && sudo apt install git    # Debian/Ubuntu
sudo yum install git                        # CentOS/RHEL
```

Type Echo with your full name

Type history

Screen print this and name it

PX_30MostCommon_lastname.png

Video you are running these commands

PX_30MostCommon_lastname.png