

# Frequently Used Linux Commands

What's a command?

It's a binary file kept under  
specific directory.

## vi editor

modes in vi editor

Command

insert

esc key to switch between modes.

mostly used commands:

vi filename.c

:x

:q!

shift+a - append

# File handling commands

## Manipulating Files:

chmod

cp

file

mv

rm

head

tail

cat

# Background Process

&

## Some Operators :

Standard Input Device-0

Standard Output Device-1

Standard Error Device-2

Redirect :

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> Input

< Output

| Pipe

ex:

```
ls -l 1>allfile &
```

Ex:

```
$ls | more
```

```
$ls > dir_listing.txt
```

```
$cat < file.sh
```

append:

```
$ ls >> dir_listing.txt
```

The following adds the contents of File1 at the end of File2:

```
$ cat File1 >> File2
```

## Directory Related Commands:

cd

mkdir

pwd

ls

## Process Related Commands:

ps

top

netstat

pstree

kill

## Disk related commands:

du - Summarize disk usage of each FILE, recursively for directories.

df - report filesystem disk space usage

## Searching Files using command:

```
find /search/path -name filename
```

```
find / -name file.c
```



## Search for a word in File(s)

```
grep text /some/path/file
```

ex:

```
grep main hello.c
```

```
grep -r main /some/cdir
```

## find with exec – powerful combination

# mv files older than 1 day to dir TMP

```
find . -atime +1 -type f -exec mv {} TMP \;
```

# find files with word main

```
find . -exec grep -il "main" {} \;
```

## super user commands :

su and su -

fdisk

sudo

Remote machine commands:

To copy a file from remote machine to your system:

```
scp oss@10.176.34.171:/home/oss/small.txt .
```

To copy file from your machine to remote:

```
scp Newsmall.txt oss@10.232.13.99:/home/oss
```

To remote login:

```
ssh 10.232.13.99
```

```
ssh oss@10.232.13.99
```

sed – stream editor

sed 's/texttofind/replacewiththis/g' filename

#replace linux as GNULinux and save result in file1.txt

sed 's/linux/GNULinux/g' file.txt > file1.txt

du and df cmds:

du -h

df -h

cut & paste:

cut -f 2 temp2

## Commands :

Online Terminal - <http://www.webminal.org>

<http://ss64.com/bash/index.html>

<http://www.wagoneers.com/UNIX/>

## Basics:

[http://linux.about.com/od/itl\\_guide/a/gdeitl\\_idx.htm](http://linux.about.com/od/itl_guide/a/gdeitl_idx.htm)

<http://www.ee.surrey.ac.uk/Teaching/Unix/index.html>

## Tips:

<http://www.builder.au.com.au/program/linux/soa/10-shortcuts-to-master-bash/0,339028299,339279043,00.htm>

<http://www.wagoneers.com/UNIX/FIND/find-usage.html>

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