

# Basic Linux Commands

Open Terminal : **Ctrl + Alt + T**

Who you are logged in as: **whoami**

Update your system: **apt-get update**

Multiple Command: **apt-get update && apt-get upgrade**

Clear the terminal: **clear**

Username: **uname**

Version : **uname -r**

**-r recursive**

**-a all**

Print a text on terminal: **echo Text**

Can also be used to check : **\$USER \$HOME \$PATH**

Performing actions that require root permission : **sudo**

## File Handling:

Current Directory: **pwd**

Change Directory: **cd DirectoryName**

Go one directory back: **cd ..**

Change To root directory: **cd ~**

**/#** - user directory [first directory when we open our computer]

**~#** - root directory

List all possible directory : **ls**

Make a Directory: **mkdir DirectoryName**

Create a File : **touch filename**

Read the content of your file : **cat filename**

Copy: **cp filename directoryToCopy**

Move: **mv filename DirectoryToCopy**

Last n(default 10) lines a of a file: **tail -n 5 filename**

Show the size, used space and available space: **df -h -x filename**

Compare two text file and show difference between them:

**diff -y -W 70 file1.txt file2.txt --suppress-common-lines**

Remove a File : **rm FileName**

Delete a Directory: **rmdir DirectoryName**

Manual: [man \[ls\]](#)

## **Find:**

**find . -name \*like\***

**find . -type f -name \*like\***

**find . -iname \*like\***

**grep**

**kill**

List Running Process :**ps**

## Permissions

Check permission of a file: **ls -l filename**

[admin-group-public] [rwx-rx-rx]

Change permission : **chmod +x filename / chmod 764 filename**

**chown**

**1 execute      6 = 4+2**

**2 write        7 = 4+2+1**

**3 = 1+2**

**4 read**

**5 = 4+1**

Alias : **alias aliasCommand =command    Eg: alias cls=clear**

History: **history**

**exit**