

Linux:

- It is an Operating System like Windows, MacOS
- It is very easy and flexible to use
- Most fastest & secure OS Ever

History:

- 1960s - Developed 1st OS Called “Unix”
 - It is the very 1st OS developed by “C” Language. Only Companies like IBM, HP, Solaris etc can use it, Common people cannot use it.
- 1970s - Released its “Commercial Version”
 - Now, If everyone purchased “Unix OS”, Along with the OS, they’ll get “Source Code” which means, they can customize it.
 - Results, They created their Own OS like IBM - IX, HP - HPUX, Solaris - SunOS
- 1990s - The person namely Linus Torvalds, Purchased Unix and attached a software called “KERNEL”
 - Kernel - A interpreter between Hardware and application
 - Best part is he gave it for FREE.

Why Linux:

- It is FREE
- Simplifies any software installation
- Access to Source Code

- Better malware Protection

Most Popular Distributions:

- Ubuntu
- Debian
- CentOS
- Red Hat

Prerequisites to work on Linux:

- Create AWS Account
- Launch Linux server using EC2 Service
- Refer previous document for how to launch
- Connect it using PUTTY

Linux Basic Commands:

“sudo su -” - To switch to Root user and also give Root User privileges

“pwd” - To check the “Present Working Directory”

“cd” - To change Directory

“cd /opt” - To get into “Opt” Directory (Just an Example)

“cd ..” - To get one step back (Ex: From /Opt to /)

“cd ../../” - To get multiple steps back

“cd” - Wherever you are, It will move to your “ROOT” Directory.

“ls” - List of files in the directory

“ls -l, ll” - Files with details

“ls -ltr” - To get files in Descending date format

“ls -la” - To get the hidden files

“cal” - To show Calendar

“cal -3” - To get last month, Current month & Next month

“date” - To check Date

“history” - To check the recent activity in Linux

“history -c” - To Clear the History

- Remember, In real time, we won't clear any History

“clear” - To clear the window and start from 1st line in CLI

- Ctrl + l - Keyboard Shortcut

“|grep” - To Search/Sort

- Ex: “history |grep cd” - Will show all the “cd” commands

“man” - To know about any kind of command

- Ex: “man pwd”

“ping” - To check the connectivity

- Ex: ping google.com → It will Ping, ctrl +c → To Quit
- If you got 0% Packet loss, Your connection is Perfect
- If you got 100% Packet loss. There's no connection

“who” - To check which user is connected initially

“whoami” - To check the current user

“exit” - To logout current user

“wget” - To Download any file (tar or zip)

- Ex: Tomcat download
- Wget {give URL} here

“touch” - To create file

“tree” - To check the structure of any folder

- To install this command “yum install tree -y”
- Then use “tree”command

“cp” - To copy File or Directory

- Ex: “cp filename destination/”

To Copy Directory

- Ex: “cp -r directoryname destination/”

“mv” - To Rename or Move files

“rm” - To delete any file

- Ex: rm filename

“rm -rf” - To Delete Directory

