

=> class - 03 :-

Heart + Brain

Linux OS :-

OS + Processor

What is operating system ?

→ S/W → mediator b/w users & machine (computer) ✓
Users communicate with computer using OS
Without OS we cannot run or use any computer }

→ operating system currently dominating market
ex:- Linux, windows, mac, android, iOS - - - - -

windows :- (Microsoft)

→ GUI Based OS (Graphical User Interface)

↳ user friendly

→ single user based OS

→ paid (commercial OS)

→ less security feature (Anti-virus usually required)

→ windows is more preferred for personal use

=> servers, application deployment → business use windows not recommended.

Linux OS

=> Linus Torvalds => unix OS → challenges → did not accept his suggestion.

=> minux OS → similar to his ideas

Linux :-

Linux + minux

Linux OS

→ released in market

Free + open source

- => Multi user OS :-
- => provides High Security
- => highly recommended for App/Project Operation
- => CLI based OS (Command line interface)

To setup the infrastructure of s/w project Linux OS is used.

=> Redhat Linux, Amazon Linux, Ubuntu Linux, SUSE Linux - Redno Linux - - - - - 200+

=> Linux Distributions / flavours :-

=> Linus Torvalds made Linux free & open source

=> Many Big companies they modified Linux with their requirement & released in market with d/f name.

ex :- Amazon Linux, Ubuntu Linux, Red Hat Linux, CentOS - -

Note :- 200+ Linux distributions :-

=> OS & why OS

Windows

{ Linux }

→ Virtual Machine

→ AWS → 1 year

→ 750 hours

24×30
720

=> create an AWS code

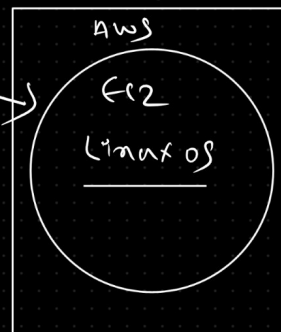
Login into AWS cloud account

create Linux Virtual Machine

(putty /
mobaXterm)

SSH protocol

using AWS EC2 Service
cloud



=> Linux File system :- 4

-> Everything is represented as file

-> (starts with -) : ordinary file

-> (starts with d) : Folder (Directory file)

-> (starts with l) : Link file

To create a directory : `mkdir <directory-name>` ex --> `mkdir devops`

To Delete Empty directory : `rmdir <directory name>` ex --> `rmdir devops`

To Change directory : `cd <dir-name>`

To come out of directory : `cd ..`

To create a normal file : `touch <file-name>` ex: `touch telusko.txt alien.txt`

To Display files from present directory : `ls`

To Display files from present directory in alphabetical order a-z : `ls -l --> l-> L`

To Display files from present directory in alphabetical order reverse z-a : `ls -lr`

To Display files latest files on top : `ls -lt`

To Display files old files on top : `ls -ltr`