Class 2

Install the os from cli mode

RHEL , Centos

Server with GUI = gui +cli

Minimal installation = CLI

Linux

1. / = root partition = C = save the OS file = 15G
2. /boot = boot partition = booting file = 500 MB

Window = administrator , standard

Linux   = root (user) , standard

Window = software

Linux   = package

GUI = 1300

CLI =400

Linux = hardware requirement

Cpu = 1 Ghz

RAM =2GB

HD   = 20 GB

Computer = 4GB   = 2GB =

Redhat   = rhel (paid)   , centos

7,8,9 version

25-30 min

Linux = root

Root = / , user

Standard user

60-80 % = linux

Microsoft

Feature of linux

1. Poratable =install in any hardware
2. Opensource =
3. Multiuser   =
4. Multitasking
5. Everything save in   file and folder
6. No virus = .exe   , linux = .rpm (redhat package manager)

Boot loader = it is the program which start the OS

XP = ntldr = new technology loader

Win 7, 8, 10 , server 2008, 2012 , win 2019, 2022 = bootmgr = boot manager

Linux = LILO (linux loader) , LOLIN (load linux) , GRUB (grand unified boot loader) , GRUB2

Lilo , lolin = not in use , GRUB (RHEL 5,6,7) , GRUB 2 (RHEL8 ,9)

SHELL = secure handle edit logic level =

2 types of language

1. High level language = c, C++ , python , php
2. Low level language = binary

It convert high level language in low level and low into high

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Make a bootable pendrive (RHEL , centos , Ubuntu etc)

1. ISO of os
2. Pen drive (16 GB)
3. Universal usb installer

Login from GUI OS

GUI = graphical user interface + CLI = command line interface

Ctrl+alt+f1 = GUI = ask the password

Ctrl+alt+f2 =GUI = without password

Ctrl+alt+f3 = 1 CLI = /dev/tty3

Ctrl+alt+f4 =2CLI = /dev/tty4

Ctrl+alt+f5 = 3 CLI = /dev/tty5

Ctrl+alt+f5 =4 CLI = /dev/tty6

Login from CLI OS

Root , abc

6 CLI mode

Ctrl+alt+f1 = 1cli = tty (terminal type)

Ctrl+alt+f2 = 2 CLI = /dev/tty2

Ctrl+alt+f3 = 3 CLI = /dev/tty3

Ctrl+alt+ f4 = 4 cli

Ctrl+alt+f5 = 5 cli

Ctrl+alt+f6 = 6 CLI