**LINUX INTRODUCTION**

Type of OS:

```````````

1. Single User Single Tasking [DOS]

2. Single User Multitasking [Win]

3. Multiuser Multitasking [Linux/Unix]

4. Real Time []

5. Embedded [Robotics]

Open Source

````````````

- Free to study

- Free to modify

- Free to dist.

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Structure of OS

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kernel kernel

user --i/p--> SHELL --i/p--> h/w

user <--o/p-- SHELL <--o/p-- h/w

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History of SHELL:

`````````````````

SH [SHELL] : UNIX shell

KSH [Korn Shell] : UNIX Script

CSH [C Lang] :

TCSH [Turbo C]

BASH [KSH + TCSH]

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GUI

CLI

\\_TUI [Text-mode user interface]

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Installation:

`````````````Recommanded: 20G

Partitions

1) / [PArent Partition]

2) /boot [Booting Config] : GRUB [512MB]

3) SWAP [RAM x 2]=8G

4G + 4G [HDD]

A part of HDD act as RAM, virtual mem.

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FORMAT

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File Systems:

`````````````

ext2,ext3,ext4,xfs

exFAT [FAT,FAT16,FAT32]

Download OS [iso]

VMware Workstation

Server Side OS: CentOS 7

Debian : ubuntu, Kali etc

RedHat : Centos & RedHat etc

HOST OS: WIN

Virtualization : VMware Workstation Pro

sda

Storage Device a

sda1

sda2

sda3

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[root@localhost ~]#

root : USERNAME

localhost : HOSTNAME

~ [Tilde] : Home Dir of loggedIn user

Regular User: /home

Super User : /root

# : Loggedin as super user

$ : LoggedIn as regular user

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https://tryhackme.com/room/linuxfundamentalspart1

https://tryhackme.com/room/linuxfundamentalspart2

https://tryhackme.com/room/linuxfundamentalspart3