Welcome!

School of Computer Applications
CAP448
Linux & Shell Scripting Introductory Lecture

Course details

- LTP – 300 [three Lectures /week]

- **Course communication mode: lpulive, UMS, myclass**

- **Google docs Link:**
  https://drive.google.com/drive/folders/1fBDeZgiYv5ZN2Ds
  MF3V7_3Ulj062ttEQ?usp=sharing

- **Text Book**

    Beginning RedHat Linux by Sandip Bhattacharaya,Wiley c
Publication,1st edition.

Course Assessment Model

Marks break up*

- Attendance   5
- CA (Best 2 out of 3)   25
- MTE   20
- ETE   50
- **Total**   **100**

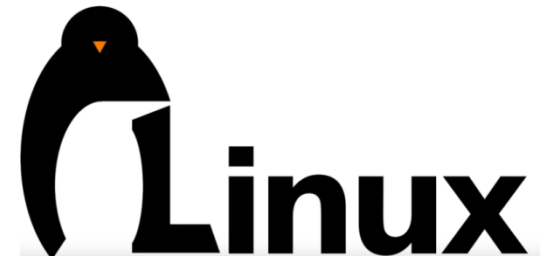# The hitch…

The three BURNING questions in mind…

- Why are we learning LINUX?

- What would we do with it?

- What will be the course outcome?
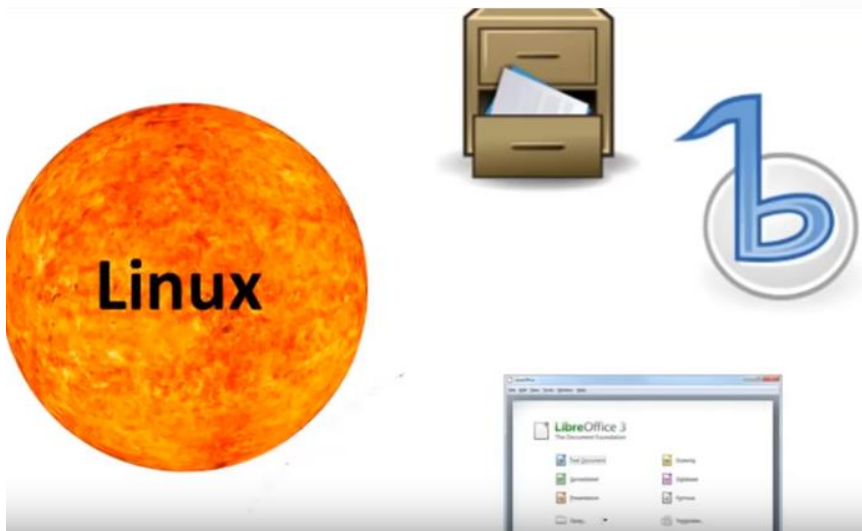
What is an Operating System?
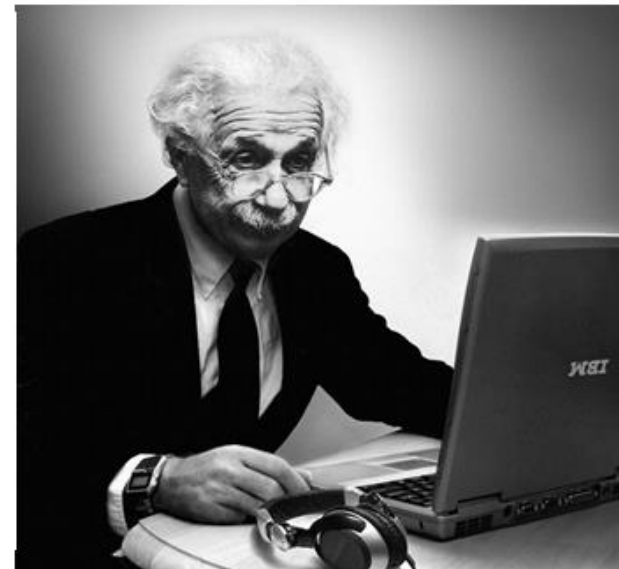
Hardware
Communicates
With
Software

Linux gets its due attention

Design Custom Operating System

Linux

LibreOffice 3
The Document Foundation

BU
BOSTON UNIVERSITY

The Most Common O/S Used By BU Researchers When Working on a Server or Computer Cluster

Where it is used?

- Mobile applications
- Android applications
- 90% Super computers/API
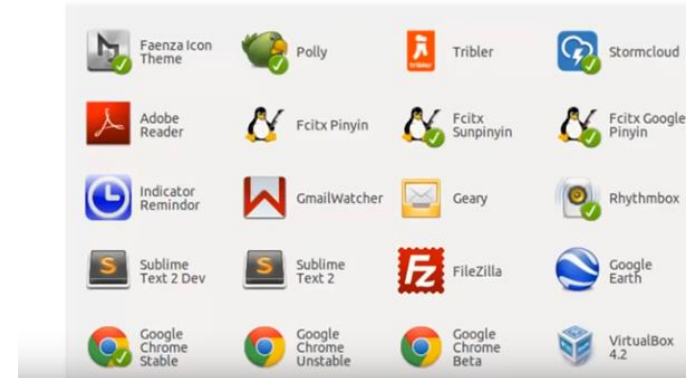- 60% of the world's servers

The benefits of using Linux

FREE

Being *open-source*, anyone with programming knowledge can modify it.

I want custom Linux

The Linux operating systems now offer *millions of programs/applications to choose from*, most of them free!

Faenza Icon Theme	Polly	Tribler	Stormcloud
Adobe Reader	Fcitx Pinyin	Fcitx Sunpinyin	Fcitx Google Pinyin
Indicator Remindor	GmailWatcher	Geary	Rhythmbox
Sublime Text 2 Dev	Sublime Text 2	FileZilla	Google Earth
Google Chrome Stable	Google Chrome Unstable	Google Chrome Beta	VirtualBox 4.2

Once you have Linux installed you *no* longer need an *antivirus*!

AVG ANTI-VIRUS ESSENTIAL PROTECTION THAT WON'T GET IN YOUR WAY

Once you have Linux installed you *no* longer need an *antivirus*!

SECURE

Linux is the OS of choice for Server environments due to its stability and reliability

```
Windows

If you want a more reliable Operating System,

Switch to Linux!!!

*  Press any key to terminate the current application.
*  Press CTRL+ALT+DEL again to restart your computer. You will
   lose any unsaved information in all applications.

             Press any key to continue _
```

A Linux based server could run non-stop without a reboot for years on end.
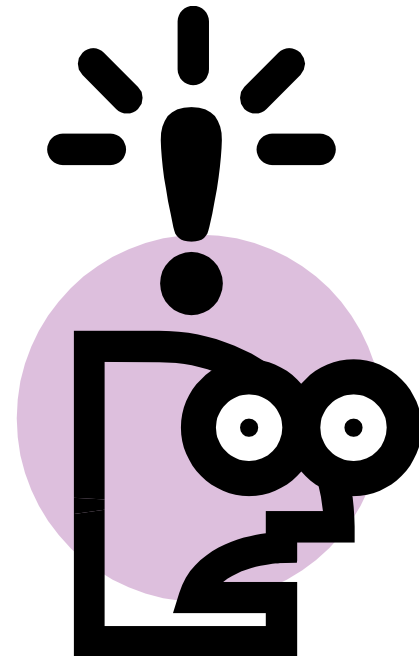
The course content

- Introduction to OS

- Installation process

- Disk partitioning

- Creation of groups and user accounts

- Desktop handling

- Software installation

- Different types of server handling

- Authentication to users and files.

Course Outcome…

By the end of the this semester every one of you would:

- Learn about Linux environment and basic Linux administration tasks.
- Demonstrate comprehensive introduction to shell scripting/programming in LINUX
- Interpret and configure different linux servers like samba, ftp, apache and nfs.

See You In The Next Class