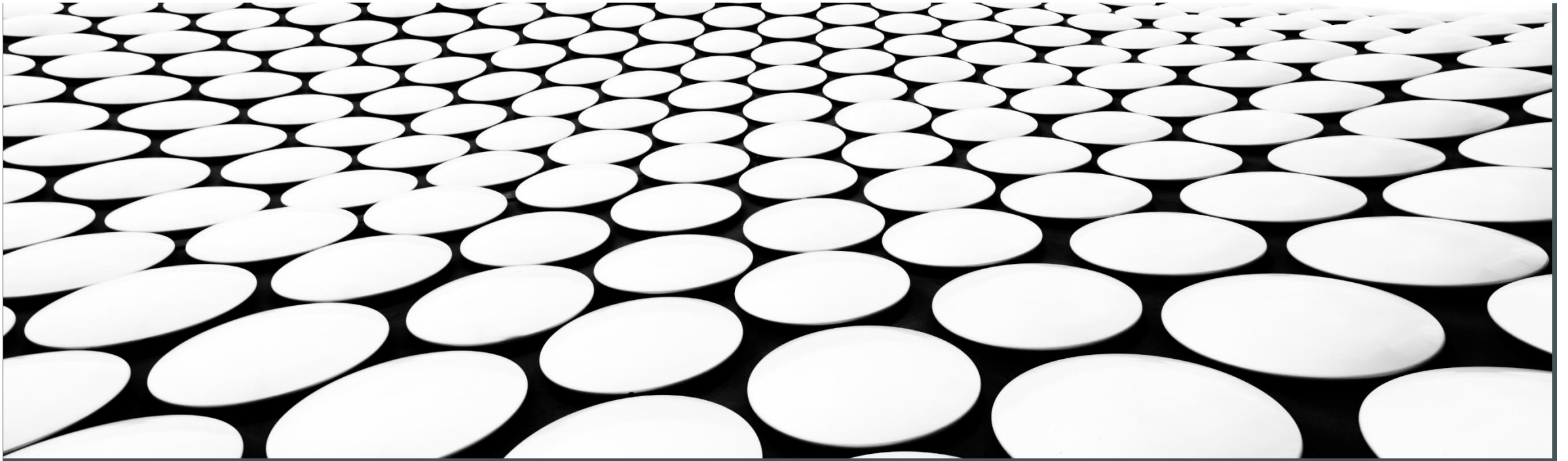


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# SKILLSBUILD FOR COLLEGES

EDUNET FOUNDATION



## APSSDC– EDUNET FOUNDATION

- **Future Skills Program**
- **Students Orientation Program**

**15<sup>th</sup> May 2024 – 17<sup>th</sup> May 2024**

# Edunet Foundation

## Goal

Creation of educational networks and sustainable communities

## Focus

4<sup>th</sup> & 5<sup>th</sup> Industrial Revolution focused Employability and Entrepreneurship

## Audience

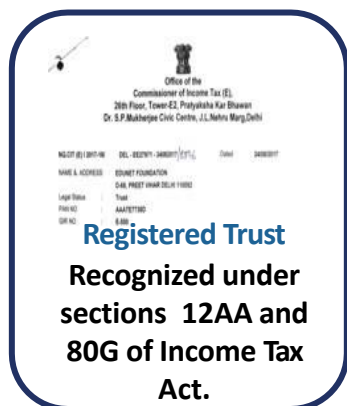
**150,000+** learners in past 12 months from K-12 schools, ITIs and colleges

More than **300,000+** Higher Education learners

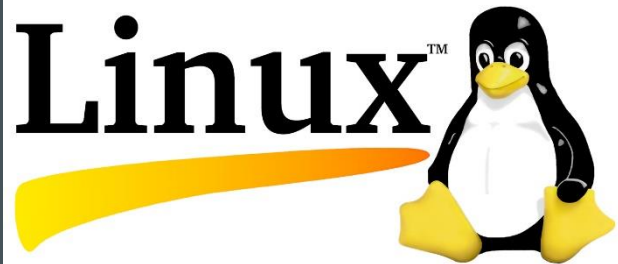
## National Footprint

Large pool of technical manpower on the ground:  
70+ technical and soft-skills trainers

Over 250 active institution partnerships and access to tens of thousands of students

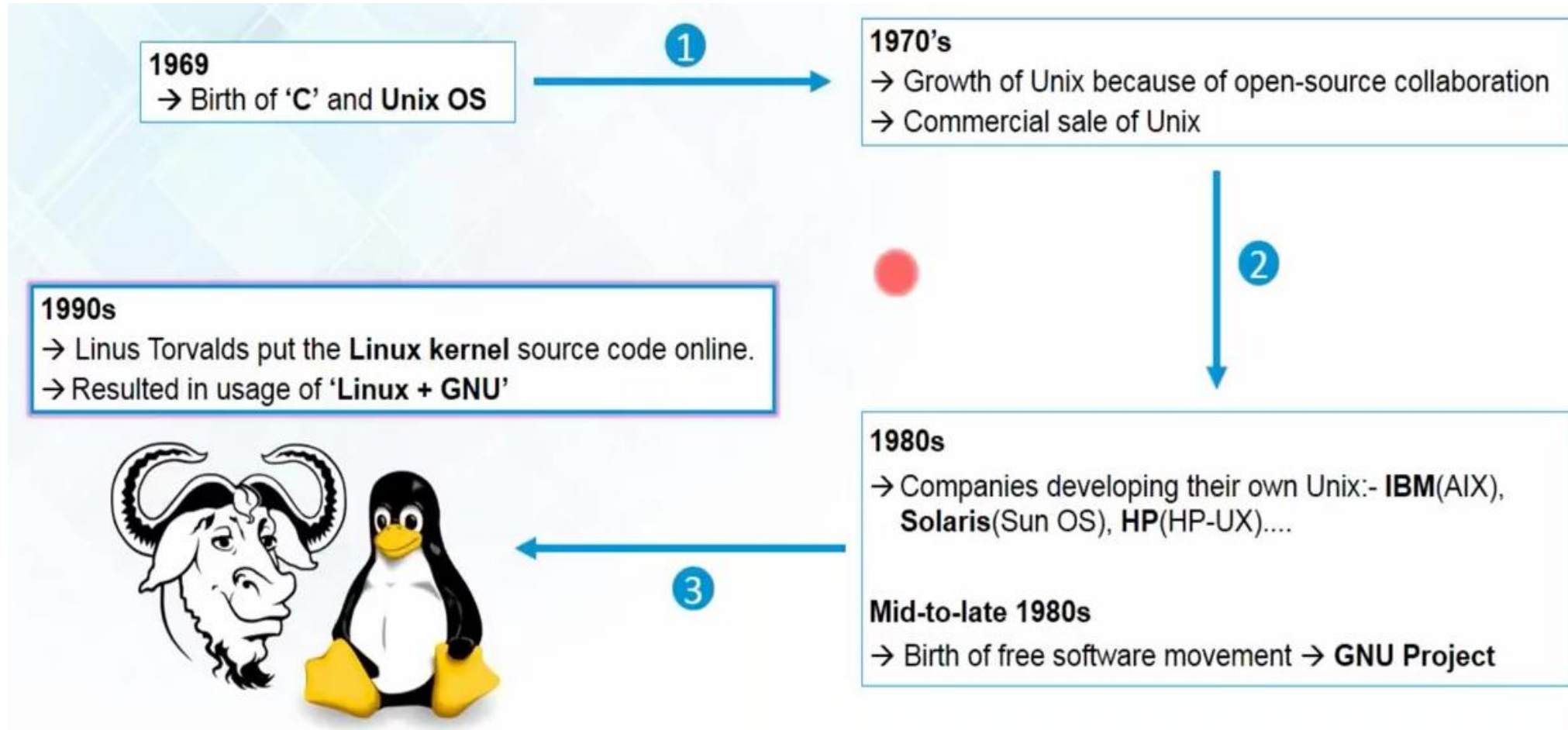


## WHAT WILL YOU LEARN TODAY?

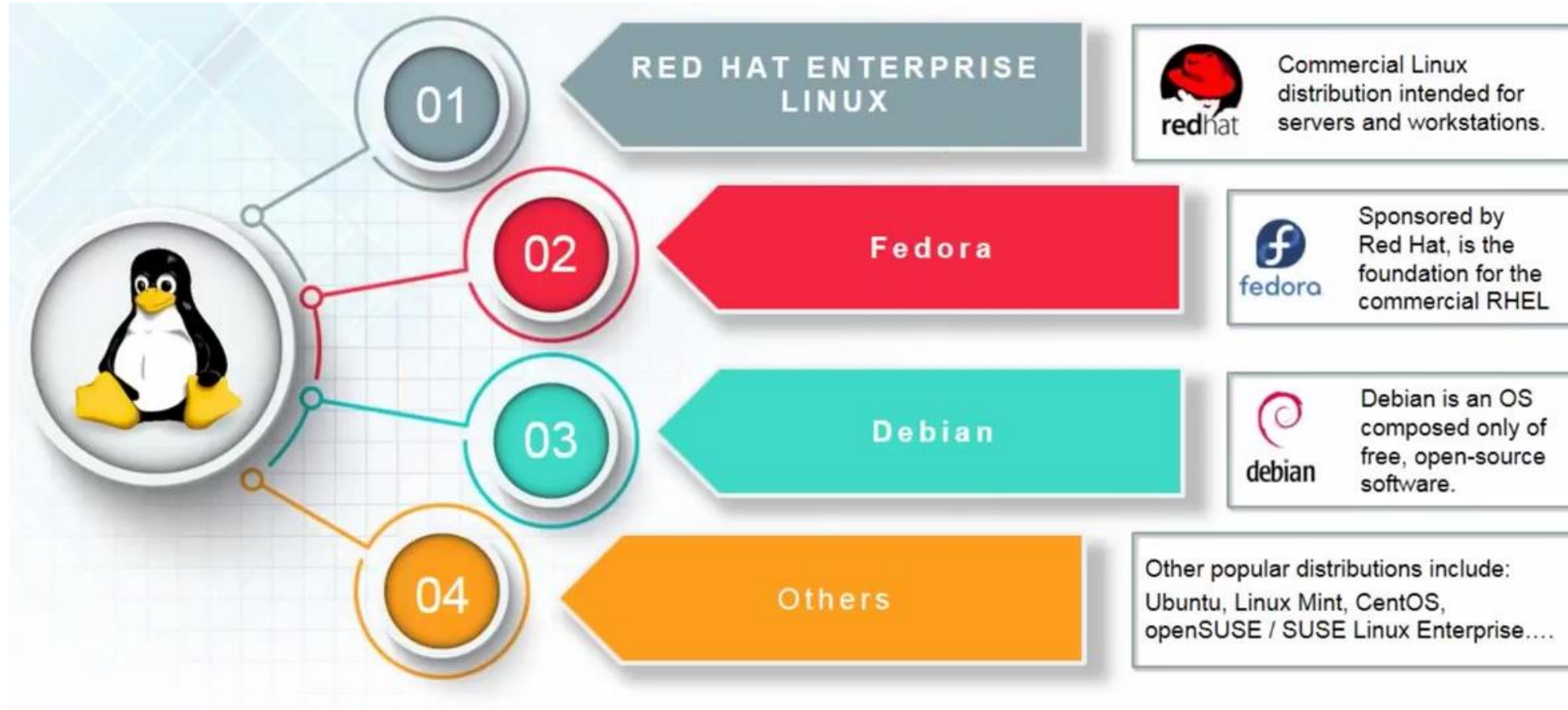


- Birth of Linux
- Various distributions of Linux
- Getting starts with Linux
- Introduction about virtual machine
- Basic Linux Comments
- Working files & Directories
- Adding deleting user
- Working with apache server

## Birth of Linux

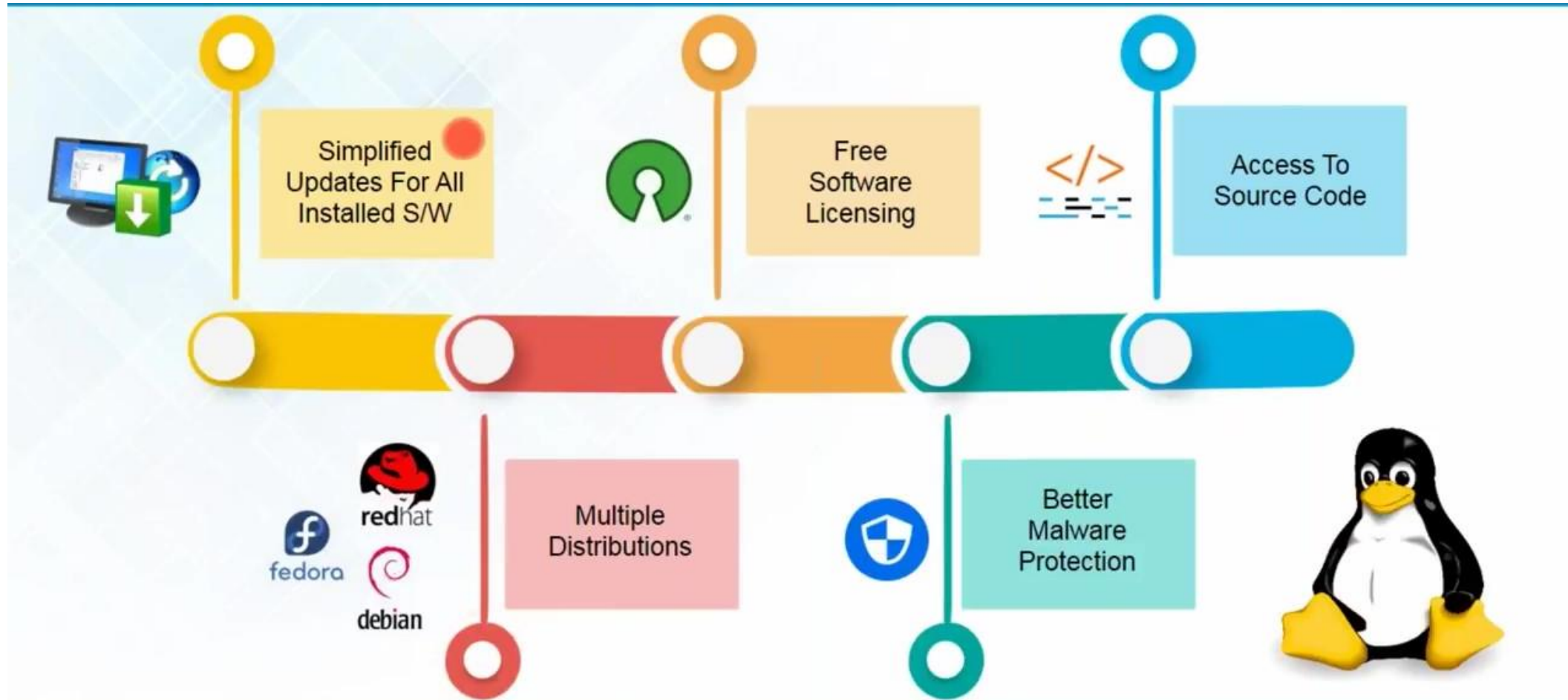


## Linux Varies Distribution





# Linux Features



## Virtual Machines





## Linux Installation



# WORKING WITH DIRECTORY COMMAND USING TERMINAL (C – COMMAND LINE INTERFACE) (GUI)

- Commands | username: kali and pass : kali
- Cd (exit)
- Cd ..
- **cd [directory]**: Change the current directory to the specified directory.
- **cd -** : Switch to the previous working directory. This is useful for toggling between two directories.
- **cd ~** : Change to the user's home directory.
- **cd /** : Change to the root directory.
- **cd ..** : Move up one directory in the directory.
- **cd ../..** : Move up two directories in the directory.
- **cd /path/to/directory** : Change to an absolute path.

# MAKE FOLDER & DELETE FOLDER

- `Mkdir <folder_name> // This command using create folder`
- `Rmdir <folder_name> // Remove empty folder`
- `Rm -r <folder_name> //Remove with file folder`



# MAKE FILE

- Leafpad or mousepad,touch
- Leafpad <file\_name.extention>
- Game.py,note.txt,...
- Ex : leafpad



## LIST COMMAND (LS)

- `ls`: Lists files and directories in the current directory in alphabetical order.
- `ls *.etc` | `ls *.py`: Incorrect syntax; attempts to list files with `.etc` extension and pass their output to list files with `.py` extension, which might not work as intended.
- `ls -a`: Lists all files (including hidden files starting with `.`) in the current directory.
- `ls -laS`: Lists detailed information for all files (including hidden ones), sorted by file size in descending order (largest to smallest).



# FILE OPERATIONS

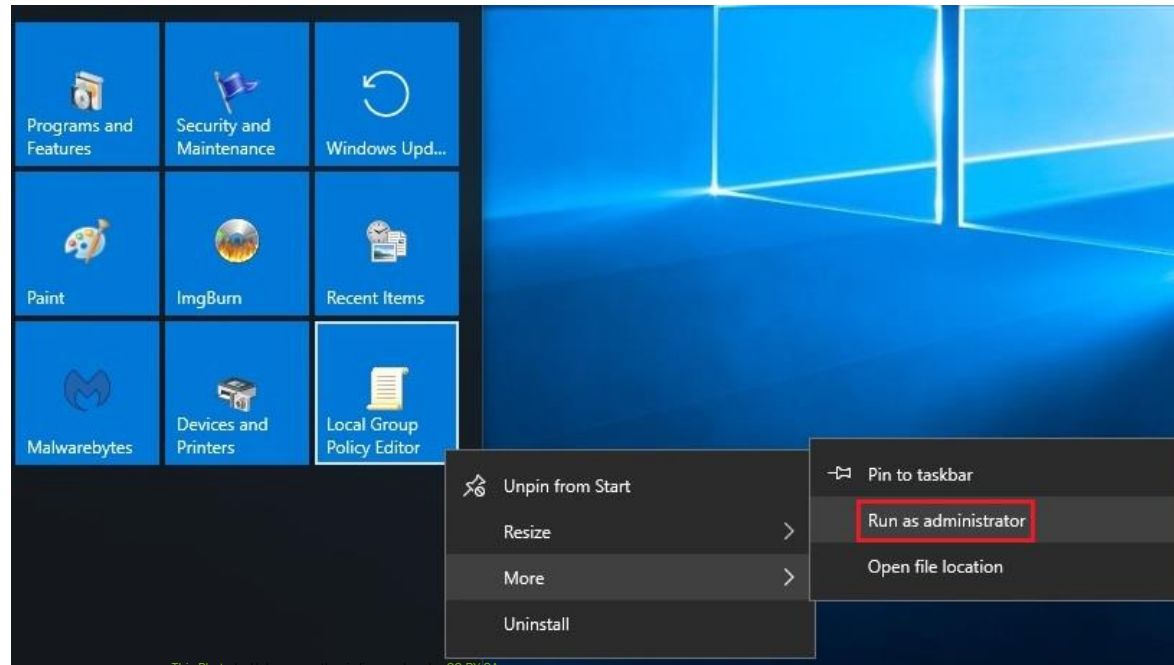
- `Rm <file_name>`
- `Cat <file_name>`
- `Pwd //present working directory`
- `Cp <source(file)> <destination(path)> | copy , paste`
- `Mv <source> <destination> | cut,paste`





# ROOT ACCESS CMD

➤ Sudo su // root access || sudo -i



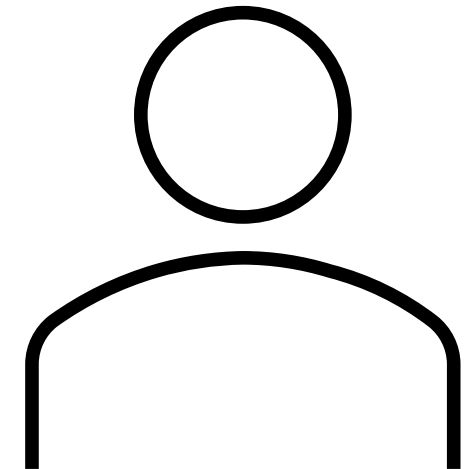
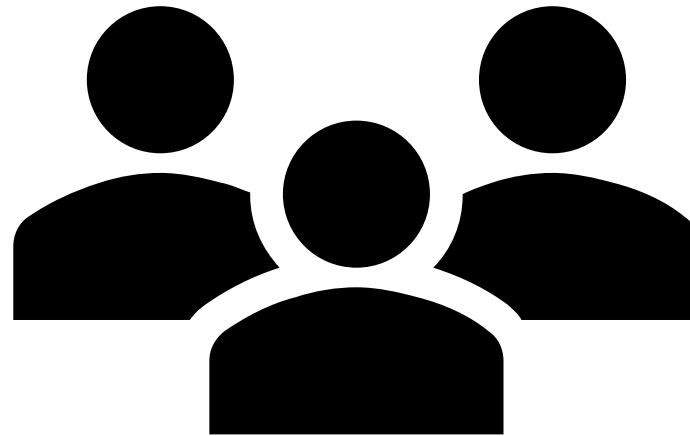
This Photo by Unknown author is licensed under CC BY-SA.

# GREP CMD & ECHO CMD

- `grep -i est cars.txt`
- Echo cmd
- `x=10`
- `echo $x`

# ADD USER DELETE USER

- Sudo adduser username
- Sudo deluser username
- Shift user
  - su username
  - passwd
  - exit



# NETWORKING COMMANDS

- 1. **`Ping`**: Checks the connectivity between two networked devices by sending packets to a specific destination and waiting for a response.
- 
- 2. **`Nslookup`**: A tool used to query DNS servers for domain name or IP address information.
- 3. **`Ifconfig`**: Displays network interface configuration information on Unix-like operating systems (commonly used in Linux), showing details like IP addresses, network masks, etc.

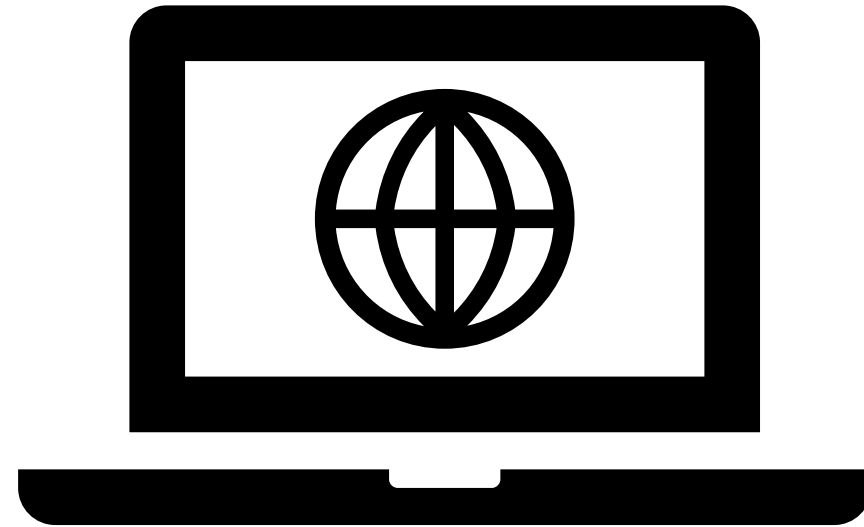
# WORKING WITH APACHE SERVER

- Service apache2 start
- Service apache2 status
- Service apache2 stop



# HOSTING WEBPAGE

- Hosting webpage using Apache server
- Service apache2 start
- Visit Path `/var/www/html`
- Add index.html file include basic html tag
- Open terminal type `ifconfig` get local ip
- Put that local ip into firefox





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# PROJECT WORK

<https://github.com/techtrainer20/APSSDC.git>