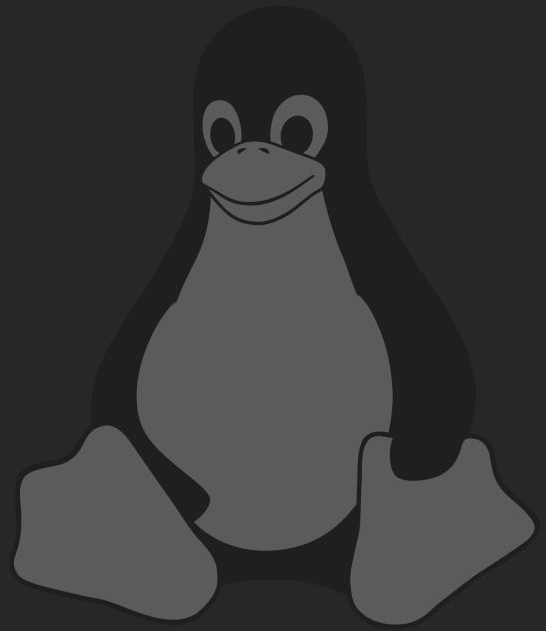
BUBT IEE Presents

# Workshop On

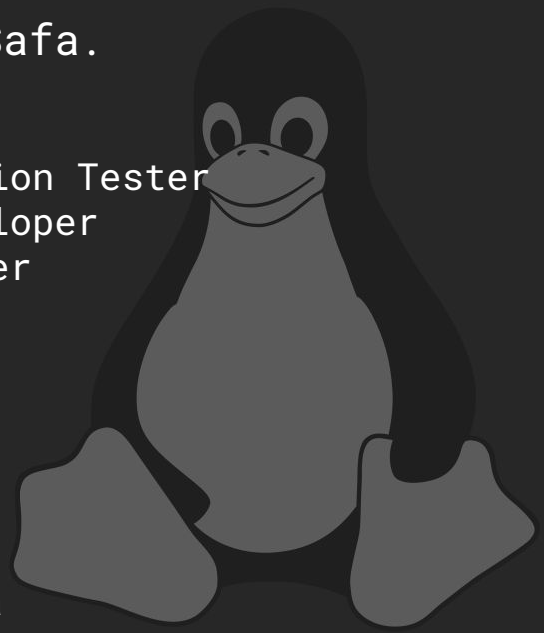
# Linux



# About Me

Hay,
I am Mahim Safa.

- Penetration Tester
- Web Developer
- Bug Hunter



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# Today's Agenda

Personal Usage

- Which Distro to Choose
- Desktop Environment
- Basic Navigation
- Some Extra Commands

Linux File Structure

- Different Linux System Folders and What They Do.

Linux Server Security

- What is linux server?
- Types of Linux Servers
- Most Used Linux Servers
- Why Linux Server?
- Linux Web Server Security
- Setup ssh key.
- Little Bit of Firewall Configuration.

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# Personal Usage

# Personal Usage

## Which Distro to Choose?

Regular usage

- Linux Mint
- Manjaro
- Ubuntu
- Fedora
- Pop OS
- Garuda Linux
- Deepin
- Elementary OS
- Zorin OS
- Open SUSE
- Slackware

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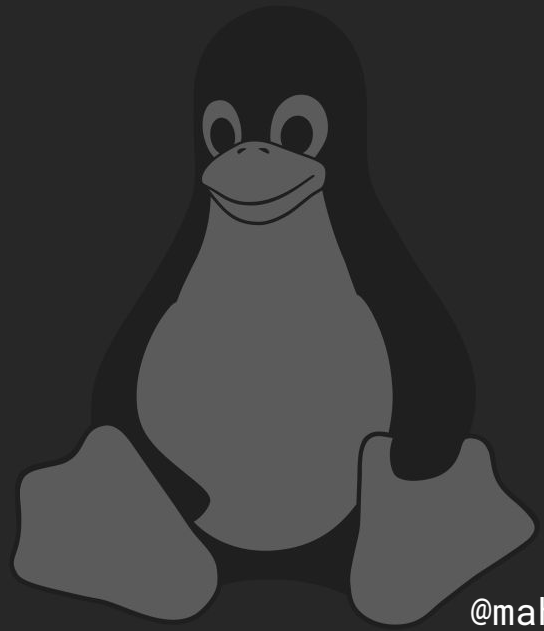
# Personal Usage

## Which Distro to Choose?

Development

- Ubuntu
- Fedora
- Debian

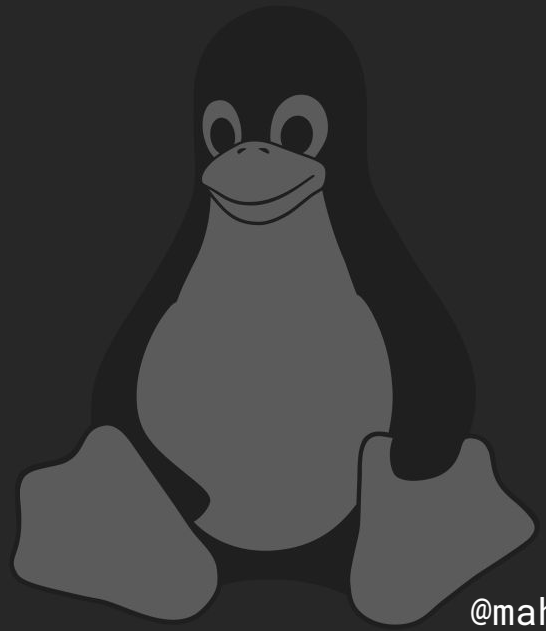


# Personal Usage

## Which Distro to Choose?

Server/Corporate

- Ubuntu
- Cent OS
- Red Hat
- Debian
- SUSE
- Slackware



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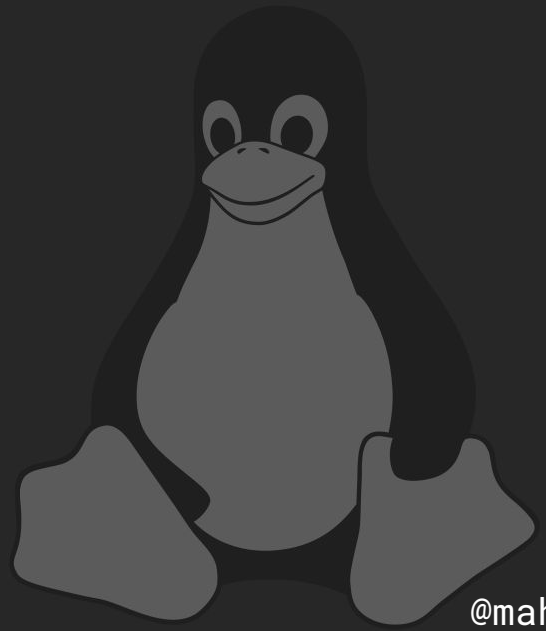
# Personal Usage

## Desktop Environment

- Gnome
- KDE Plasma
- Deepin
- XFCE (Light Weight)
- LXDE (Light Weight)
- I3WM



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# Personal Usage

Basic Navigation
&
Some Extra commands

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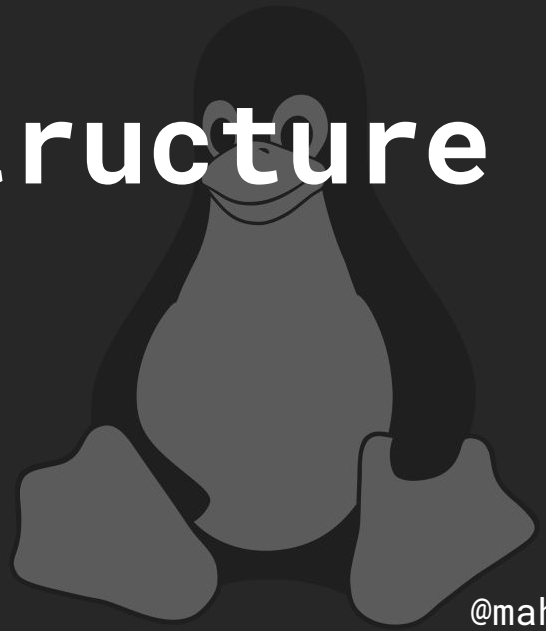
# Linux File Structure



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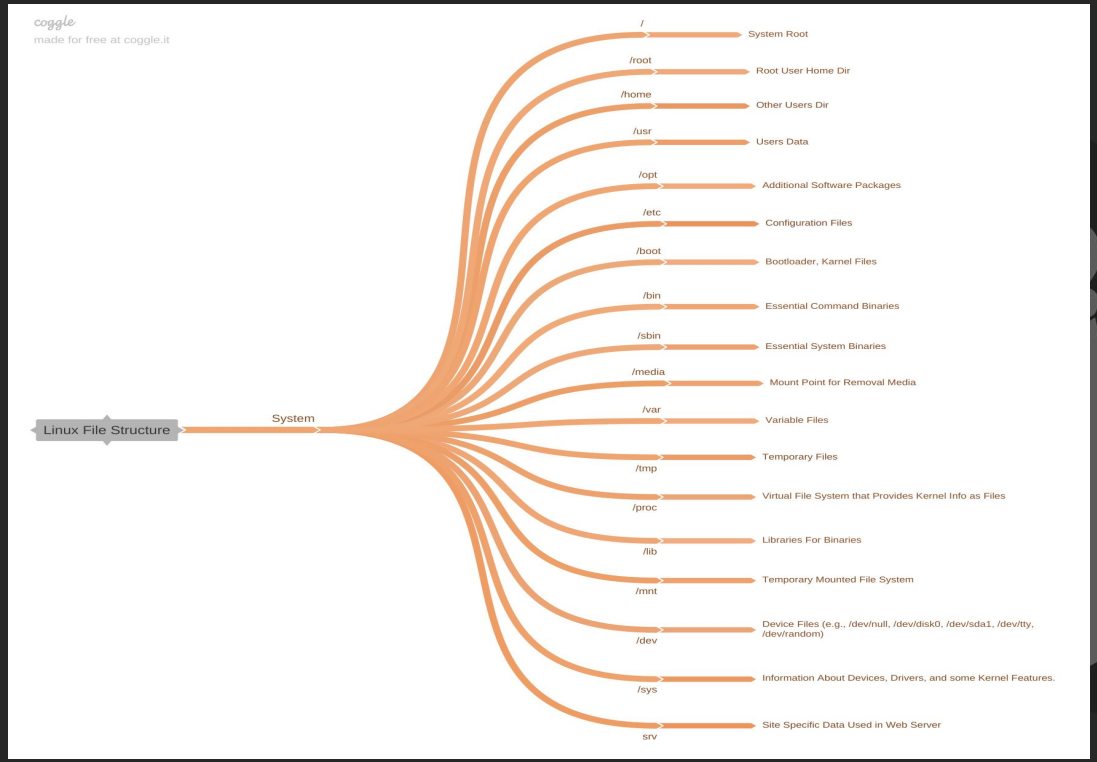
# Linux File Structure

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# Linux Server Security

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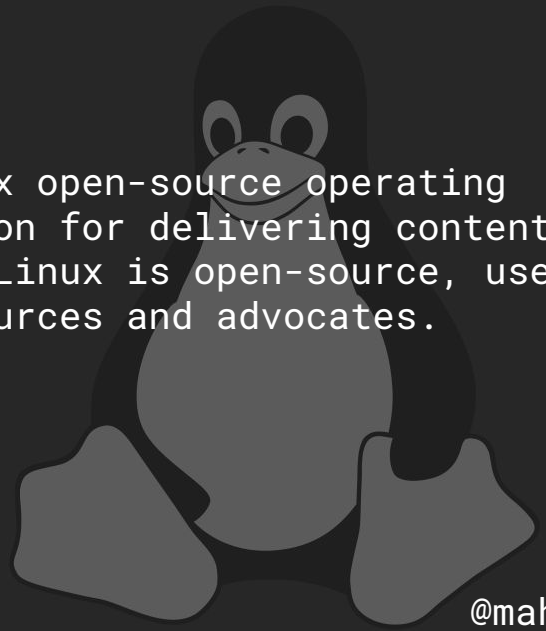
# Linux Server Security

## What is Linux Server?

A Linux server is a server built on the Linux open-source operating system. It offers businesses a low-cost option for delivering content, apps and services to their clients. Because Linux is open-source, users also benefit from a strong community of resources and advocates.



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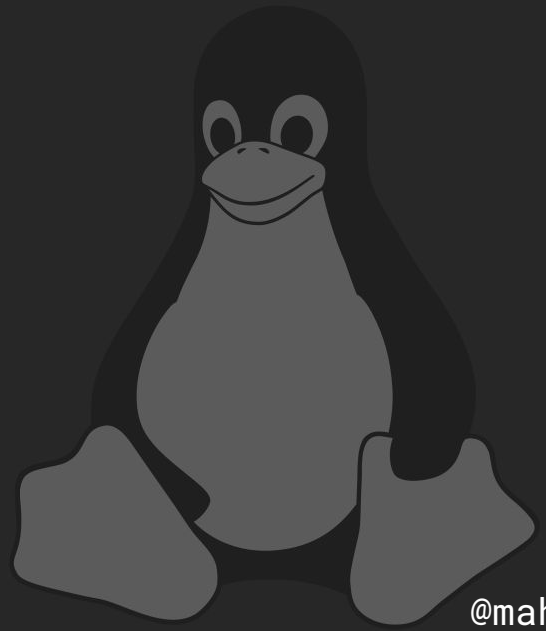
# Linux Server Security

## Types of Linux Server?

- Web Server
- Media Server
- FTP Server
- DNS Server
- Database Server
- App Hosting Platform
- Cloud Server



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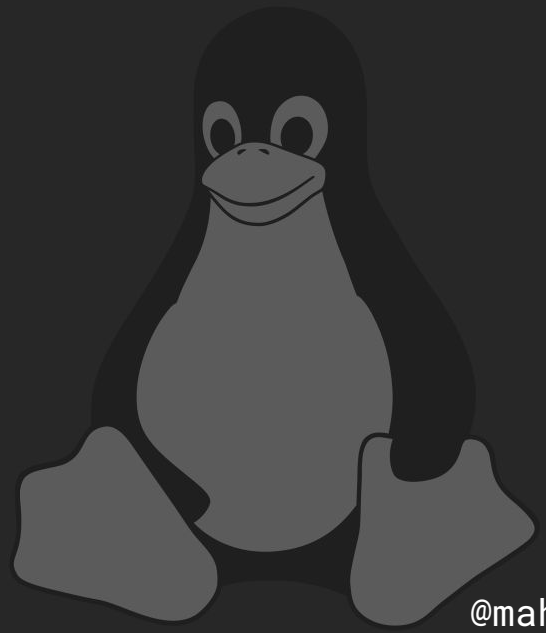
# Linux Server Security

Types of Linux Server?

- Ubuntu
- Cent OS
- Redhat
- Debian



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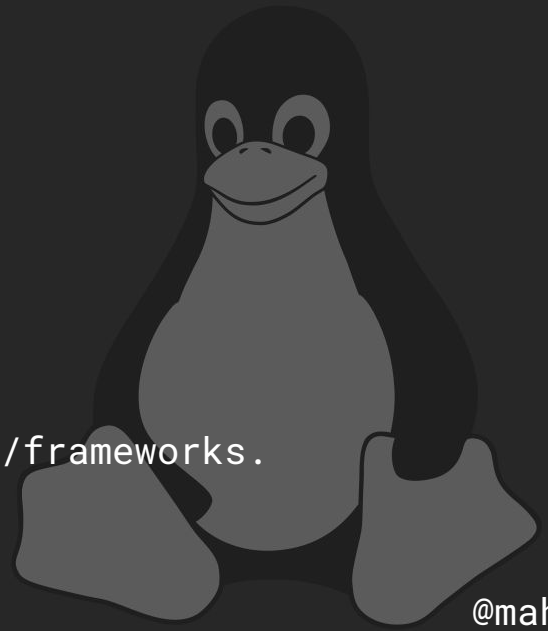
# Linux Server Security

## Why Linux Server?

- More popular than windows server.
- More faster Than windows server.
- Huge Community Support.
- Huge open source tools.
- Easy configuration.
- Heavily customizable.
- Supported by almost all automation tools/frameworks.



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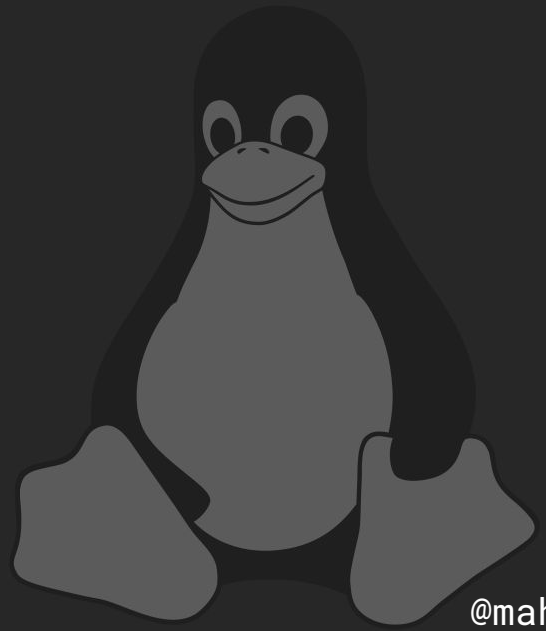
# Linux Server Security

## Linux Web Server Security

- Always clear unimportant dependencies.
- Keep your applications up to date.
- Implement strict server access.
- Configure the server properly.
- 24/7 Traffic monitoring.
- Implement firewall rules.
- Separate access role.
- Setup hardware firewall.
- Use SSH key instead of password.
- Setup honeypot. (if under attack)
- Always keep backups.



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# Thank You

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