Basic Overview of Linux

Linux is an open-source operating system developed by Linux Torvalds in 1991. It provides a customizable and secure alternative to proprietary systems. With its stable performance, Linux is widely used across devices, from personal computers to servers and smartphones. The collaborative efforts of its developer community continue to drive innovation, making Linux a dominant force in the world of computing.

Linux Distribution

Linux distribution is an operating system that is made up of a collection of software based on Linux kernel or we can say distribution contains the Linux kernel and supporting libraries and software. And we can get a Linux based operating system by downloading one of the Linux distributions and these distributions are available for different types of devices like embedded devices, personal computers, etc. Around 600 + Linux Distributions are available and some of the popular Linux distributions are:

- MX Linux
- Manjaro
- Linux Mint
- elementary
- Ubuntu
- Debian
- Solus
- Fedora
- openSUSE
- Deepin

Architecture of Linux :-

Applications

Shell

Kernel

Hardware

Utilities