

Hello everyone! In this video, you will learn about Linux distribution systems and various Linux distributions.

One of the most important areas for a new user of Linux is its various distributions. Ubuntu is the most, popular distribution, people have heard of, but there are hundreds of others as well such as RedHat, Debian, Kali Linux, etc.,

Linux distributions are the various operating systems based on the Linux kernel each offering some variant of the basic Linux features. Now let's see the top few Linux distributions.

Red Hat Enterprise Linux (RHEL) is an enterprise Linux operating system (OS) developed by Red Hat for the business market. RHEL, formerly known as Red Hat Linux Advanced Server, is certified by thousands of vendors and across hundreds of clouds. It is a performance-driven, cost-effective platform for Microsoft SQL Server. It comes with subscription benefits and supports X86, ARM and various IBM architectures. It is more manageable, offers a good level of security and provides consistent performance.

Debian is an operating system based on the Linux kernel with a strong emphasis on free and open-source software. It was started by

Ian Murdock on August 16, 1993. It is one of the most well-tested and bug-free distros available today. The distro uses all open-source components, which is good, but makes it more difficult to achieve compatibility with proprietary code such as wireless network drivers. Debian also has a relatively slow-release cycle, with stable ones coming out every one to three years.

Ubuntu is a free and open-source Linux distribution based on Debian which has become the poster child for Linux these days. Ubuntu is released in three editions: **Desktop, Server, and Core** and are released every six months, with long-term support releases every two years.

Ubuntu is a popular operating system for cloud computing, with support for OpenStack private cloud solution.

Kali Linux (formerly known as Backtrack Linux) and released on the 13th March 2013, is an open-source, Debian-based Linux distribution aimed at advanced Penetration Testing and Security Auditing.

Kali Linux contains several hundred tools targeted towards various information security tasks, such as Penetration Testing, Security Research, Computer Forensics and Reverse Engineering. It supports a wide range of wireless

devices and contains GPG signed packages and repositories. It comes with multi language support and is completely customizable

Kali Linux is freely available to information security professionals and hobbyists.

Here are the desktop images of the distributions, you have seen so far. Red Hat Linux, Debian Linux, Ubuntu Linux, and Kali Linux.

Thank You...