UNIX

UCT – Mogadishu, Somalia

UNIX

* **Unix is a multi-user, multi-tasking operating system.**
* **You can have many users logged into a system simultaneously.**
* **It's the kernel's job to keep each process and user separate**
* **regulate access to system hardware, including cpu, memory, disk and other I/O devices.**

History of UNIX

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* **First Version was created in Bell Labs in 1969.**

* **1973 Unix is re-written mostly in C, a new language developed by Dennis Ritchie.**

* **1977 There were about 500 Unix sites world-wide.**

* **1991 Linux was originated.**

What is LINUX

* Linux is a free Unix-type operating system originally created by Linus Torvalds with the assistance of developers around the world.

* It originated in 1991 as a personal project of Linus Torvalds, a Finnish graduate student.

* The Kernel version 1.0 was released in 1994 and today the most recent stable version is 4.4.0

* Developed under the GNU General Public License , the source code for Linux is freely available to everyone.

Linux References

* http://en.wikipedia.org/wiki/Dennis_Ritchie
* http://en.wikipedia.org/wiki/Richard_Stallman
* http://en.wikipedia.org/wiki/Linus_Torvalds
* http://kernel.org
* http://lwn.net/Articles/472852/
* http://www.linuxfoundation.org/
* http://en.wikipedia.org/wiki/Linux
* http://www.levenez.com/unix/ (a huge Unix history poster)

LINUX Distributions

Red Hat

* Red Hat is a billion dollar commercial Linux company that puts a lot of effort in developing Linux.
* They have hundreds of Linux specialists and are known for their excellent support.
* They give their products (Red Hat Enterprise Linux and Fedora) away for free.
* While **Red Hat Enterprise Linux** (RHEL) is well tested before release
* **Fedora** is a distro with faster updates

Ubuntu

* **Ubuntu** Linux in 2004 quickly became popular for home users (many switching from Microsoft Windows).

* Ubuntu is an easy to use graphical Linux desktop without need to ever see a command line.

* Of course they also want to make a profit by selling support for Ubuntu.

Debian

* There is no company behind **Debian**. Instead there are thousands of well organized developers that elect a Debian Project Leader every two years.

* Debian is seen as one of the most stable Linux distributions.

* It is also the basis of every release of Ubuntu.

* Debian comes in three versions: stable, testing and unstable.

Other

* Distributions like CentOS, Oracle Enterprise Linux and Scientific Linux are based

on Red Hat Enterprise Linux and share many of the same principles, directories and

system administration techniques.

* Linux Mint, Edubuntu and many other
* Ubuntu named distributions are based on Ubuntu and thus share a lot with Debian.
* There are hundreds of other Linux distributions

Which to choose ?

* When you are new to Linux in 2018

go for the latest Ubuntu or Fedora.

* If you only want to practice the Linux command line then install one Ubuntu server and/or one CentOS server (without graphical interface).

References

* redhat.com

* ubuntu.com

* debian.org

* centos.org