Linux introduction

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Agenda

- What is an Operating system?
- History of Linux
- Distributions
  - Debian based
  - Red Hat based

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Operating system

- Operating system is a program which controls the computer. It manages resources and schedules tasks. OS also provides user interface for interacting with user. OS performs many functions almost simultaneously. But the processor can work on one task at a given moment.

- OS Examples
  - Linux (Red Hat, Ubuntu, Mandriva, ...)
  - DOS, Windows
  - Mac OS

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Evolution

- In 1983 the GNU project was started.

- Software development began in 1984.

- In 1991 by Linus Torvalds started working on Linux kernel.

- Initially Linux was a terminal emulation program for working with big Unix machines.

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Evolution

- 1996 – started KDE environment development

- 1997 – started gnome environment development

- 2000 – started OpenOffice project based on StarOffice by Sun Microsystems

- Linux is distributed under GPL which involves millions of volunteers all over the world in development.

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Distributions

- **Red Hat**
  - Secure (suitable for servers)
  - Reliable
  - Easy package configuration
- **Debian**
  - Lot of packages
  - Frequently updates
  - Fast and easy package management tools

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Famous Distributions

- **Debian**
  - Knoppix
  - Ubuntu
  - Finnix
  - gnuLinEx
- **Red Hat**
  - CentOS
  - Fedora Core
  - Mandriva
  - Red Hat Enterprise

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