

Introduction to Linux

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LUG@GT

Goals

» Goals

Who?

What?

Where?

When?

Why?

How?

Questions and Comments?

This presentation aims to give a quick but in-depth overview of:

- What Linux is
- Why you should use Linux
- Available applications for Linux
- Ways to replace Windows-only applications
- Cool and creative uses of Linux

Hobbyists

» Goals

Who?

» Hobbyists

» Companies

» You!

What?

Where?

When?

Why?

How?

Questions and Comments?

Thousands of independent developers contribute to Linux or open-source software in general.

Some famous:

Linus Torvalds, Richard Stallman, Eric S. Raymond, ...

Most are just average people!

Companies

» Goals

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You!

» Goals

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What is Linux?

» Goals

Who?

What?

» What is Linux?

» Major Linux Distributions

Where?

When?

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How?

Questions and Comments?



Major Linux Distributions

Linux is shipped in a "distribution": the Linux kernel is combined with a set of software packages.

- **Debian**: old distribution focusing on stability – commonly used on servers
- **Ubuntu**: “easy” distribution aimed at new users
- **Fedora/RHEL**: Fedora focuses on cutting-edge software while RHEL is more server-oriented
- **Gentoo**: source-based package, *not* for new users
- **Mandriva**: has a non-free commercial edition
- **SUSE**: similar to RHEL in its support model; targeted at business users
- **Arch**: light, customizable distribution

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» Major Linux Distributions

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Questions and Comments?

Where?

Everywhere!

» Goals

Who?

What?

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» Where?

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How?

Questions and Comments?

Linux Timeline

» Goals

Who?

What?

Where?

When?

» Linux Timeline

Why?

How?

Questions and Comments?

- **1964:** IBM produces OS/360

Linux Timeline

» Goals

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- **1964:** IBM produces OS/360
- **1969:** Unix is created at Bell Labs (was essentially free)

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- **1985:** Windows 1.0

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- **1985:** Windows 1.0
- **1986:** HP-UX and AIX

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- **1992:** Linux relicensed under GPL
- **1994:** Linux kernel 1.0 released
- **1996:** Linux kernel 2.0 released; supports multiple processors
- **2004:** First release of Ubuntu

Simplicity

» Goals

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Why?

» Simplicity

» Customizability

» Freedom

How?

Questions and Comments?

- Simple install (OS and software)

Simplicity

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- Simple install (OS and software)
- Simple updates

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- Simple install (OS and software)
- Simple updates
- **Straightforward, easily configurable interface**

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- Simple install (OS and software)
- Simple updates
- Straightforward, easily configurable interface
- Helpful community

Customizability

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- Very many readily available choices!

Customizability

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- Very many readily available choices!
- Borrow (or steal) someone else's configuration!

Customizability

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- Very many readily available choices!
- Borrow (or steal) someone else's configuration!
- Find someone else who rewrote (or forked) it!

Customizability

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- Very many readily available choices!
- Borrow (or steal) someone else's configuration!
- Find someone else who rewrote (or forked) it!
- Rewrite it (or fork it) yourself!

Freedom

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Linux is free as in

■ beer.

Freedom

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Demo time!

» Goals

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» Demo time!

» How do I get help?

Questions and Comments?

How do I get help?

» Goals

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» Demo time!

» How do I get help?

Questions and Comments?

- LUG@GT!
 - ◆ Mailing list: lug-chat
 - ◆ Installfests (Sep. 18th!)
 - ◆ Weekly meetings

How do I get help?

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- Other local groups: ALE, MGALUG, local Ubuntu group, etc.

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- Internet forums, like ubuntuforums.com

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- Internet forums, like `ubuntuforums.com`
- Linux (or FOSS) conferences: SELF, ALF, etc.

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