

Ubuntu Linux Server

A Primer



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What's Our Goal?

- A bit of Debian & Ubuntu philosophy
- Install Ubuntu Server 7.04 “*Feisty Fawn*”
- Differences from the Red Hat world
 - Package system
 - Debian's *root* philosophy
 - Tools you may need
 - How the OS and services start/stop

Some Practical Matters

- *Please do not change the root password.*
- Please do ask questions! Lots of questions! Really -we mean this.
- If you don't understand something please speak up. Chances are someone else has the same question.
- Questions?

Who We Think We Are Teaching

A class that has already experienced or used Linux or UNIX in the real world.

We're assuming an intermediate level of knowledge.

Are we right?

Some Philosophy

- Debian's conservative model
 - *Very* different from Fedora Core
- Releases and Repositories
- Ubuntu's benefactor: Mark Shuttleworth
- Desktop vs. Server vs. LTS versions
- The connection with Debian
- Restricted software and Ubuntu

The World of Ubuntu

Start here: <http://www.ubuntu.com/>

Server

- “Feisty Fawn” 7.04 (18 month support)
- “Dapper Drake” 6.06 LTS (5 years support)
- “Edgy Eft” 6.10 (18 month support)

Desktop

- Current are 6.10 and 7.04.

Kubuntu (KDE), Edubuntu (Educational)

Ubuntu Installation

Really wants you to be on the net.

Free Ubuntu CDs are available, including shipping.

Now let's go do it...

What's Different

- Software management
 - dpkg
 - apt
 - aptitude
 - synaptic
 - meta-packages
 - repositories

What's Different cont.

- Startup scripts
 - In /etc/init.d/ (System V)
 - Upon install services run!
- Controlling services
 - update-rc.d
 - sysvconfig
 - rcconf
 - rc-config

What's Different cont.

- Make and GCC
 - Not installed by default. Why?
 - 32,000+ packages
 - To get “apt-get install build-essentials”
- Upstart
 - replaces init
 - no inittab
 - see upstart.ubuntu.com for details

There's more...

But, hopefully this is enough to get us started...

Some Resources

- www.ubuntu.com
- ubuntuforums.org
- www.debian.org
- www.debuntu.org
- ubuntuguide.org
- Google!