Linux Demo Day
February 4, 2006
Welcome!
What is an Operating System?

- Software necessary to run applications on a computer
What is an Application?

- Program that a normal person can use to do something useful
Something Useful

- $2 + 2 = ?$
Kernel
Kernel

- Indian name: *Talks To Hardware*
- Normal people cannot use it directly
- Linux kernel created and managed by Linus Torvalds
System Software

• “Rest of the OS” - programming utilities, basic commands
• GNU: GNU's Not Unix
• Richard Stallman/Free Software Foundation
Demo

[demo@localhost demo]$ bc
bc 1.06
This is free software with ABSOLUTELY NO WARRANTY.
For details type `warranty'.
2+2
4
X Window System

- a.k.a. “X”
- Indian name: *Talks To Video Hardware*
Window Manager

- Title bars/window decorations
- Move/resize windows
- Application menu/taskbar

Desktop Environment

- Drag-and-drop
- Advanced cut-and-paste

- Most popular are KDE and GNOME
Demo
It's Modular

• Development
• Safety
Distributions

- Linux kernel + GNU utilities + X Window System + desktop environment + applications

- Red Hat
- SUSE/Novell
- Debian
- Mandriva
- Knoppix
- Ubuntu
- MEPIS