AUIS on Linux

What is Linux ?

- **Implementation of POSIX operating system**
- **Name applies to kernel code only**
- **SYSV & BSD extensions**
- **Written entirely from scratch**
- **No proprietary code**
- **Free distributed under the GNU Public License**
- **Written by Linus Torvalds** <torvalds@kruuna.helsinki.fi>
- **Often packaged with lots of GNU and PD software**

NewsGroups

comp.os.linux.admin
comp.os.linux.development
comp.os.linux.help
comp.os.linux.misc

FTP Sites

sunsite.unc.edu
nic.funet.fi
tsx-11.mit.edu
net.tamu.edu

Linux Hardware Summary

CPUs

Intel 386s and 486s and Pentium
AMD 386s and 486s
Cyrix 386s and 486s
IBM 486s
Most any FPU

Bus Architectures

ISA
EISA
VLB
PCI

Disk Storage

IDE
MFM
RLL
SCSI

SCSI controllers

Adaptec AHA1542B, AHA1742A, AHA1740
Future Domain
7000FASST
WD7000FASST

Sound Boards

ATI
ProAudio Spectrum
Sound Blaster
Gravis Ultrasound

Video adapters (supported by XFree862.1)

VGA
EGA
CGA
Hercules
SVGA cards (ET3000, ET4000, Paradise, and some Trident chipsets)
S3 chipset
8514/A
ATI MACH8, ATI MACH32

Ethernet Adapters

Western Digital 80x3
ne1000, ne2000
3com501, 3com503, 3com507, 3com509, 3com589 PCMCIA
Allied Telliesis AT1500
most LANCE boards
d-link pocket adaptors

What’s NOT In Linux

- **Token Ring**

  Work on this has been announced

- **Micro Channel Adapter support**

  Work on this has been announced

- **Windows Emulation**

  Work on this has been announced

  DOS emulation is there

- **GPL version of Motif**

  Work on this has been announced

  Commercial version of Motif is available

- **COFF support** (SYSV binary compatibility)

  Work on this has been announced

  Word Perfect for SCO will now run on Linux

- **Diamond Stealth video cards**

  Proprietary interface which developers refuse to support

AUIS Linux Distribution

- **Different from Typical Distributions**
- **Aimed at relative naive user of AUIS apps, not developer**
- **Not a full AUIS, broken into packages**

Name	.tgz (MB)	Installed (MB)
-wp	1.45	4.5
-src	0.7	+1.3
-mail	2.0	+4.8
-doc	3.2	+8
-dev	3.7	+24

- **No runapp dynamic objects**
- **Lots of menus**
- **Highly tailored global.* files**
- **Color**

Packages

-wp (EZ as a Word Processor)

filters (2rtf, rtf2, ez2ascii etc)
ez
ezprint
figure
help
pipescript
prefed
raster
table
typescript
image
Help restricted to these apps

-src (EZ for the Programmer) (requires -wp)

bush
ness
*text.do
Help restricted to srcviews

-mail (Messages) (requires -wp)

cui*
eatmail
MIME files
messages
sendmessage
vui*
flames
Help restricted to mail

Packaging AUIS for Linux

- **Idea initially from work by *Todd Inglett* of IBM Rochester, MN**
- **Build everything into /usr/auis63-full**
- **Shell *CreateAUISdir* to create /usr/auis63-xxx**
- **List of files to copy from -full**
- **List of files to remove from target directory**
- **Copy files to target directory**

  AndrewSetup
  README
  global.*
  help.overviews
  help.programs
  sample.preferences

- **Shell *CreateTarFile* to create auis63L0-xxx.tgz files for distribution**

Problems in Linux Version

- **html**

  Solid failure. Even with most recent code,

- **messages**

  MIME fails very often

- **image**

  Occasionally