User Friendly 64 bit Linux

Hardware

- 75 Sun Ultra 24
    - Quad core Intel
    - nVidia FX 370
- Brought into service for start of AY 2008
    - Software availability has changed since then

AIMS

- Parity with Windows
  - No ActiveX etc.
- Browser plugins
  - Java, Flash, PDF, A/V
- DVD playing

JAVA

- Sun's 64 bit JDK doesn't provide a 64 bit plugin

- OpenJDK does
  - Replace Sun's JDK on 64 bit boxes
  - Symbolic link in */usr/lib64/mozilla/plugins*

Flash/PDF

- Both only available in 32 bit

- Use nspluginwrapper to run 32 bit plugins in 64 bit browser

Audio/Video

- 32 bit MPlayer and MPlayer plugin with nspluginwrapper

- Available in 64 bit, but we want to use the 32 bit Windows codecs

- Large number of 32 bit libraries for Mplayer dependencies

- 32 bit RealPlayer

- Remove Totem plugin

nspluginwrapper

- Creates 64 bit .so in */usr/lib64/mozilla/plugins* for each 32 bit plugin in */usr/lib/mozilla/plugins*

  – Browser sees standard plugin

- Couldn't get distributed 0.9.91.5 to work

  – Downloaded 1.0.0 from nspluginwrapper web site

- Run update hourly from cron

DVDs

- Couldn't find appropriate gstreamer plugins to play DVDs with totem
  - Replaced with gmplayer
  - Gconf */desktop/gnome/volume_manager/autoplay_dvd_command*

nVidia graphics card

- Use closed-source driver from nVidia
- *#include <lcfg/options/video_nvidia_100xx.h>*
- *#include <see/options/video_ati.h>* for ATI cards