Fedora/PPC

Colin Charles

colin@fedoraproject.org

http://www.bytebot.net/

Title

What is it?

- Fedora that runs on PowerPC (PPC) architectures

- These are common run-of-the-mill Macs or even the IBM POWER boxes

- iBook's, PowerBooks, iMac's, G5's, miniMacs, eMac, etc...

- Been around for quite a while (possibly since the Red Hat Linux days)

- Churned out from the Red Hat build system

- Core 1, 2, and 3 have had more users since each release, and for Core 4, we expect to make it an official from the build system

What we have working

- Fedora on x86 and Fedora on PPC are alike
  - Very few packages are excluded from PPC (and some can actually be fixed
    - more are excluded from ppc64; these don't exceed 31 packages currently
- All hardware is known to work, except for:
  - Airport Extreme
  - sleep in the newer iBook G4's and PowerBooks
    - fixed in a kernel patch (which we have binary kernels for)
  - Latest touchpads in the PowerBooks
  - 3D accelerated graphics with some video cards (nvidia binary only drivers are x86)
  - modem (flaky, pay for possible)
- Fedora Extras

redhat

What we want to have working

- boot.iso and NFS installation option is a complicated choice for most users

- better video detection, out-of-the-box

- auto-partitioning
  - blessing the disk bootable

- sound
  - patches for system-config-soundcard appeared in Bugzilla the day after I posted the to-do list

- greater 64-bit support

- "Just Works" power management; better battery life support

- video-out on iBooks/Powerbooks
  - some of it works with apmud

- Mac-On-Linux
  - hack on sheep.c and other funnies

How we achieve it

- Fix the installer:

  - anaconda. Start building trees, and looking at the Python behind it

- Fix system-config-display

  - Python

- Fix system-config-soundcard

  - Python

- apmud is in Extras for power management!

- Kernel and userspace apps with gcc4?

How you can help

- Try testing out the builds/releases

- Join the coding (python, C always appreciated)

- http://www.bytebot.net/geekdocs/ibook/fedorappc.html

- Help out on list: fedora-ppc@lists.infradead.org

- Join us on irc: irc.freenode.net, #fedora-ppc

- Try Rawhide