Debian Installer - an update

Frans Pop

DebConf 7, Edinburgh, Scotland
1. What we have been doing for Etch

2. What we would like to do for Lenny
Outline

1. What we have been doing for Etch
2. What we would like to do for Lenny
Graphical installer

- Languages with complex scripts
- Some usability improvements
- Still a lot of improvements possible

- Attilio Fiandrotti
- Davide Viti
No more base-config

- Installation takes place completely before reboot
- Joey Hess
Partitioning

- Encrypted partitioning
- Guided partitioning using LVM and crypto
- David Härdeman
- Max Vozeler
Rescue

- Boot the installer in "rescue mode"
- Colin Watson
Automated installations

- RAID preseeding
- General improvements
- Improved documentation
- Hands-off installation
  - Philip Hands
New translations

- General: Belarusian, Esperanto, Estonian, Kurdish, Macedonian, Tagalog, Wolof
- Graphical: Bengali, Dzongkha, Georgian, Gujarati, Hindi, Khmer, Malayalam, Nepali, Punjabi (Gurmukhi), Tamil, Thai

- Christian Perrier
New subarchitectures

- Broadcom BCM947XX
- NSLU2 (ixp4xx)
- IOP32x
- Martin Michlmayr
What we have been doing for Etch
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Other

- UTF-8
- New kernels, udev, initramfs-tools/yaird; 2.4 dropped
- Kernel selection using kernel meta packages
- Use of code names instead of suites
- Secure apt
- Disabled root account with sudo
- resize_inode and dir_index enabled by default (ext3 partitions)
- Support for PPPoE
TODO (at DebConf 5)

- UTF-8 default
- d-i updates for sarge
- support installing sarge using etch installer
- graphical installer
- improve automated installs
- encrypted filesystem support
- improve hardware detection (hotplug, sata, nic renames)
- improve support for non-free firmware and drivers
- accessibility for the blind
- installs via PPPoE
- move base-config into first-stage install
- disk space size checking for tasks
- make it easier to customise d-i
- remove a single question from the standard install
New CD/DVD images

- multi-arch CD
  i386/amd64/powerpc, alpha/hppa/ia64 ("netinst")
- multi-arch DVD
  i386/amd64/powerpc/source
- KDE CD
- Xfce CD

- Steve McIntyre
- Joey Hess
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Loads of plans!

http://wiki.debian.org/DebianInstaller/LennyGoals

Main goals

- Keep up with Debian
- Persistent device naming
- Reduce memory usage, particularly by cdebconf
- Remove usage of devfs-style device names
- Support for installing from more than one CD/DVD
- IPv6 support
- Improve support for non-free firmware & drivers
Other goals

- Replace dhcp client (v2)
- Switch from console-data to console-setup
- Add support for dmraid (fake ata RAID)
- New architectures: MacBook (Intel based), PlayStation 3
- Web frontend (Attilio Fiandrotti)
- Extend accessibility support
- Support installing a server with Xen instances (Russel Coker)
Graphical Installer

- Fix remaining stability issues
- Fix issues in input handling (keyboard/touchpads)
- Entropy plugin for cdebconf (for encrypted partitioning)
- Add support for columns in cdebconf (?)
- Add graphical shell and log browser
- Add graphical partitioner
- Add games...
- Improve support for powerpc
  Add support for other architectures
Partitioning

- Improve the way translations are handled
- Guided partitioning option: "resize existing partition and install in freed up space"
- RAID10 and RAID6 support
- Other...
D-I BoF session

Friday 22nd 16:30 - Lower BoF room

You are welcome to get involved!