

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



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



Outline

- 1 What we have been doing for Etch
- 2 What we would like to do for Lenny



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!

