# Debian Installer - an update

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What we have been doing for Etch

What we would like to do for Lenny



## Outline

What we have been doing for Etch

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





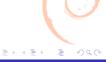
## New subarchitectures

- 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
- accessability 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

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!

