

d-i: Jessie release cycle wrap-up

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Release timing

Changes & bug fixes

Ongoing work

Regular contributors



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initial release

Wheezy:

- ▶ First release: May 2012
- ▶ Freeze time: June 2012

Jessie:

- ▶ First release: March 2014
- ▶ Freeze time: November 2014

→ 8 months in advance this time



further releases 1/2

Wheezy:

- ▶ 7.0 Alpha 1: May 2012
- ▶ 7.0 Beta 1: August 2012
- ▶ 7.0 Beta 2: September 2012
- ▶ 7.0 Beta 3: October 2012
- ▶ 7.0 Beta 4: November 2012
- ▶ 7.0 RC 1: February 2013
- ▶ 7.0 RC 2: April 2013
- ▶ 7.0 RC 3: May 2013



further releases 2/2

Jessie:

- ▶ Jessie Alpha 1: March 2014
- ▶ Jessie Beta 1: August 2014
- ▶ Jessie Beta 2: October 2014

→ room for earlier/more releases



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Changes & bug fixes & people

Usual remark:

KiBi = **the** d-i guy

Better comment:

KiBi = the most visible, vocal, picky, grumpy d-i guy



release architectures: Wheezy vs. Jessie

Mentioned by Niels during the release team talk:

- ▶ Additions: arm64 ppc64el
- ▶ Removals: kfreebsd-* ia64 sparc s390

Thanks to:

- ▶ Porters in general
- ▶ Steven Chamberlain in particular



default desktop

Context:

- ▶ Early switch to Xfce
- ▶ Bugs in debian-cd & friends: #756774
- ▶ Accessibility issues

Solution:

- ▶ Prompt during regular installation process, not before
- ▶ Now possible to select several of them
- ▶ “Desktop qualification”, back to GNOME in Jessie Beta 2
- ▶ Now limited to amd64/i386

Thanks to:

- ▶ Joey Hess



grub-installer

Problem:

- ▶ Silent installation on `/dev/sda`: #706112
- ▶ Already in Squeeze and Wheezy

Solution:

- ▶ Prompt!
- ▶ Slightly annoying, but...

Thanks to:

- ▶ Vincent McIntyre



firmware support

Problem:

- ▶ udev & linux kernel dropped support: #725714

Solution:

- ▶ patch hw-detect to look at kernel logs
- ▶ available in the next release

Thanks to:

- ▶ Ben Hutchings for the proposal & kernel patches
- ▶ Petter Reinholdtsen for the implementation in hw-detect



apt vs. cd/dvd

Problem:

- ▶ regression in apt: #765458
- ▶ no kernel package to install

Solution:

- ▶ perform tests and report a bug
- ▶ answer questions from apt people
- ▶ enjoy the fix for `cdrom:` entries in `sources.list`

Thanks to:

- ▶ Julian Andres Klode
- ▶ David Kalnischkies



parted

Problem:

- ▶ new upstream release
- ▶ behavioral changes

Solution:

- ▶ poke Colin Watson
- ▶ test patches
- ▶ iterate

Side effect:

- ▶ “incoming.debian.org opens its doors to the public”

Thanks to:

- ▶ Colin Watson
- ▶ FTP team



default init system: systemd

Problem:

- ▶ Priority overrides updated by ftpmasters right before Jessie Beta 1

Solution:

- ▶ Actually not a problem!
- ▶ Hang for 30 seconds: disappeared!

Thanks to:

- ▶ systemd maintainers, transparent switch



wireless support

Problem:

- ▶ WPA2 support broken for some cards
- ▶ only in d-i

Solution:

- ▶ wpa package patched to support more debugging: #761922
- ▶ linux kernel modules (ccm, ctr) added to the crypto-modules udeb: #761902

Many thanks to:

- ▶ Stefan Lippers-Hollmann



rendering for Punjabi

Problem:

- ▶ rendering with default font: not satisfactory

Solution:

- ▶ new udeb: fonts-lohit-guru-udeb
- ▶ new mapping in gtk-set-font

Thanks to:

- ▶ Aman Alam
- ▶ Vasudev Kamath and Christian Perrier



Problem:

- ▶ How to detect regressions?

Solution:

- ▶ Automated testing in jenkins

Thanks to:

- ▶ Holger Levsen



fontconfig vs. Monospace

Problem:

- ▶ broken font in graphical shell

Solution:

- ▶ prod maintainers
- ▶ get fontconfig-udeb fixed

Thanks to:

- ▶ Josselin Mouette



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artwork for Jessie

Current situation:

- ▶ still using the Wheezy artwork
- ▶ some bits in experimental only
- ▶ submitted files in “wrong” format

Solution (Jessie):

- ▶ interact with submitter to get the SVG files
- ▶ merge new files, upload packages, get them unblocked (hopefully)
- ▶ fix the process for next time

Thanks to:

- ▶ Juliette Belin for her Lines theme
- ▶ Paul Tagliamonte for his past work in this area



user parameters

Problem:

- ▶ linux kernel change in v3.16-rc1
- ▶ -- behaves differently now

Solution (Jessie):

- ▶ support --- to work around the kernel change
- ▶ patch debian-installer, debian-installer-utils (user-params), debian-cd

Thanks to:

- ▶ Ian Campbell



i386 support

Problem:

- ▶ 486 no longer supported

Solution (Jessie):

- ▶ change flavour in linux, including udebs: from 486 to 586
- ▶ also patch: base-installer, debian-installer, debian-cd, manual

Thanks to:

- ▶ Ben Hutchings



Secure Boot

Problem:

- ▶ lacking support for Secure Boot
- ▶ users need to fiddle with EFI settings

Solution (Jessie or Jessie+1):

- ▶ obtain Secure Boot signing keys
- ▶ update infrastructure to use them
- ▶ package shim
- ▶ merge support into d-i

Thanks to:

- ▶ Tollef Fog Heen
- ▶ Matthew Garrett



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More thanks to:

- ▶ bootloader people:
 - ▶ Colin Watson (grub)
 - ▶ Ian Campbell (flash-kernel)
 - ▶ Vagrant Cascadian (u-boot)
- ▶ kernel people: especially Ben Hutchings for his incredible work and very useful hints
- ▶ Christian Perrier: translation coordination + quick uploads from git
- ▶ Samuel Thibault: accessibility work
- ▶ Steve McIntyre: UEFI, CD work



a very special contributor

Very special thanks to:

- ▶ Joey Hess

for:

- ▶ being the awesome Joey we all know
- ▶ being the original designer behind d-i
 - ▶ boot-floppies until 2002 (Woody)
 - ▶ d-i first shipped in 2005 (Sarge)

