d-i: Jessie release cycle wrap-up

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Release timing

Changes & bug fixes

Ongoing work

Regular contributors
Release timing

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Wheezy:

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

Jessie:

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

→ 8 months in advance this time
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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foreword

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

Solution:
- Prompt!
- Slightly annoying, but...

Thanks to:
- Vincent McIntyre
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
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
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
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
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
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
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
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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regular contributors

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)