8,9,10 =
Jessie, Stretch, Buster

Speaker: Who am I?

- Decicated Debian developer
  - http://qa.debian.org/developer.php?login=henrich&comaint=yes

- Translator
  - Debian開発者リファレンス / リリースノート

- Tech Writer
  - Software Design"Debian Hot Topics"
  - 角川インターネット講座「ネットを支えるオープンソース」

- Debian JP Project (local community) member
  - Website, twitter, etc.

Agenda

- Release history
  - Myth and beyond
  - And "Next" is...?
- Detail: What's new in Debian8
- Future
  - What does Debian aim?
  - What is necessary for?

Happy Debian8 "Jessie" release!!! :)

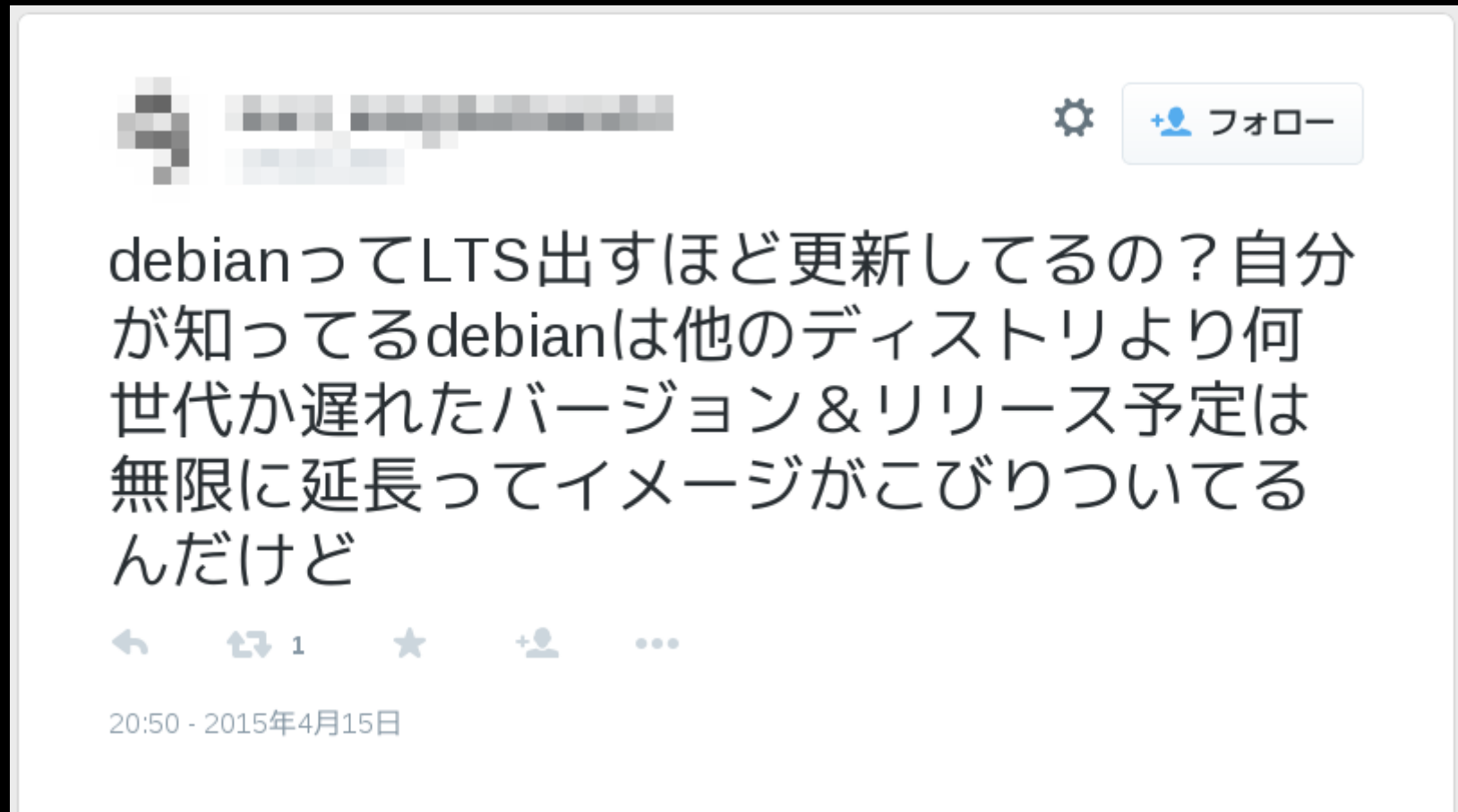http://pixar.wikia.com/Jessie

History

- 3.1 Sarge   : 2005/06/06

- 4.0 Etch   : 2007/04/08

- 5.0 Lenny   : 2009/02/14

- 6.0 Squeeze: 2011/02/05

- 7   Wheezy : 2013/05/04

- **8   Jessie   : 2015/04/25 ← We're here!**
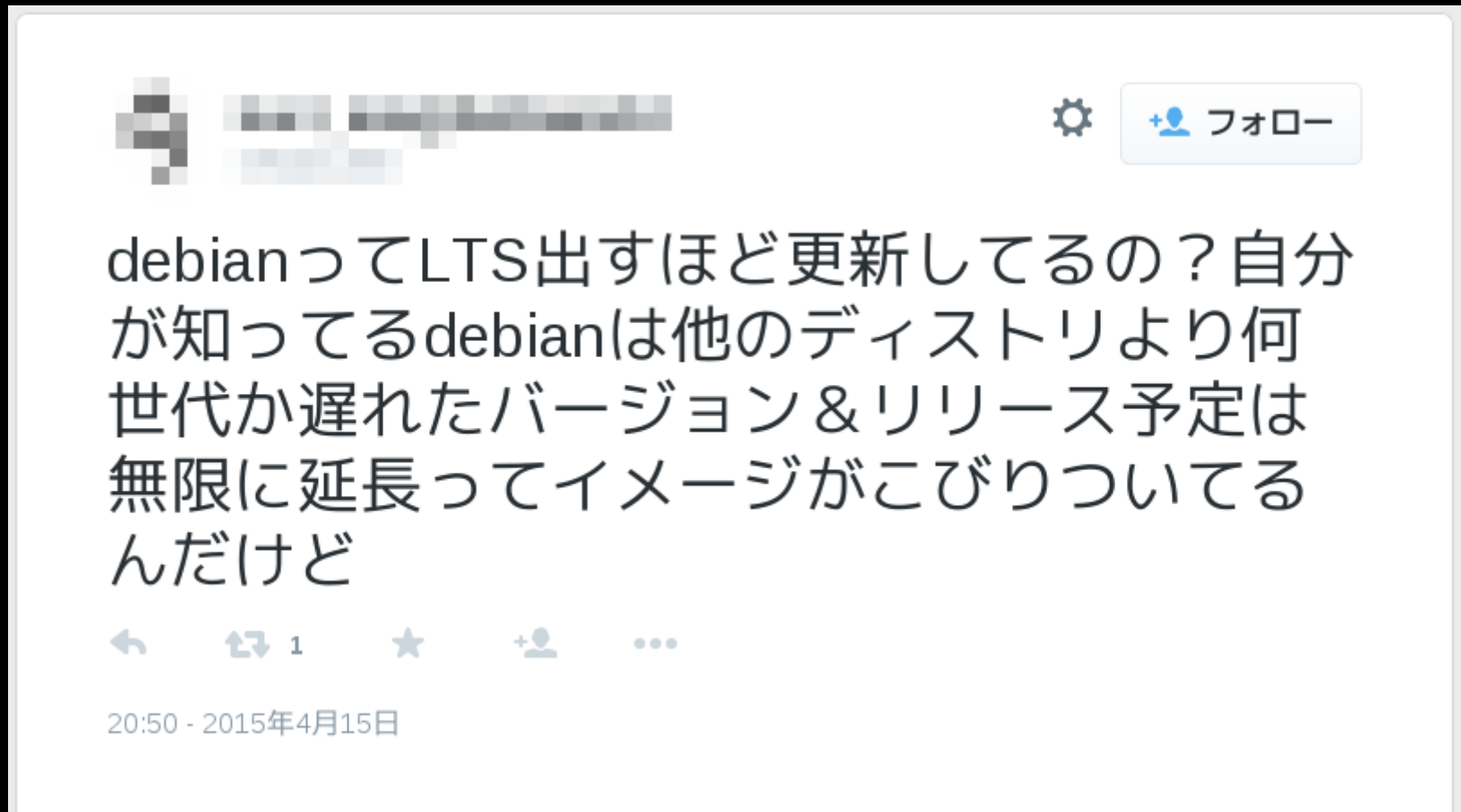
- 9   Stretch : ?

- 10 Buster   : ?

https://wiki.debian.org/DebianReleases

Wrong delay myth

debianってLTS出すほど更新してるの？自分が知ってるdebianは他のディストリより何世代か遅れたバージョン＆リリース予定は無限に延長ってイメージがこびりついてるんだけど

20:50 - 2015年4月15日

We're releasing Debian each 2 years since 2005, and now 2015…
Are you sure? Don't you know about what happened in this 10 years?

Truth
Package versions vs RHEL7

|	RHEL7 (CentOS7)	Debian8
Apache	2.4.6	2.4.10
Tomcat	7.0.54	7.0.56
Squid	3.3.8	3.4.8
bind	9.9.4	9.9.5
MariaDB	5.5.41	10.0.16
PostgreSQL	9.2.7	9.4.3
SQLite	3.7.17	3.8.7.1
memcached	1.4.15	1.4.21
postfix	2.10.1	2.11.3
dovecot	2.2.10	2.2.13
cyrus-imapd	2.4.17	2.4.17
vsftpd	3.0.2	3.0.2
samba	4.1.12	4.1.17
cups	1.6.3	1.7.5
OpenLDAP	2.4.39	2.4.40
FreeRADIUS	3.0.4	2.2.5
krb5	1.1.2	1.21.1

Wrong delay myth

Truth: packages' version are NEWER than other distro

Next

- Debian9 "Stretch"

- Date: after 2 years = 2017/04 (?)

- we don't fix the release date but push it almost 2 years bases.

http://disney.wikia.com/wiki/Stretch_(Toy_Story_3
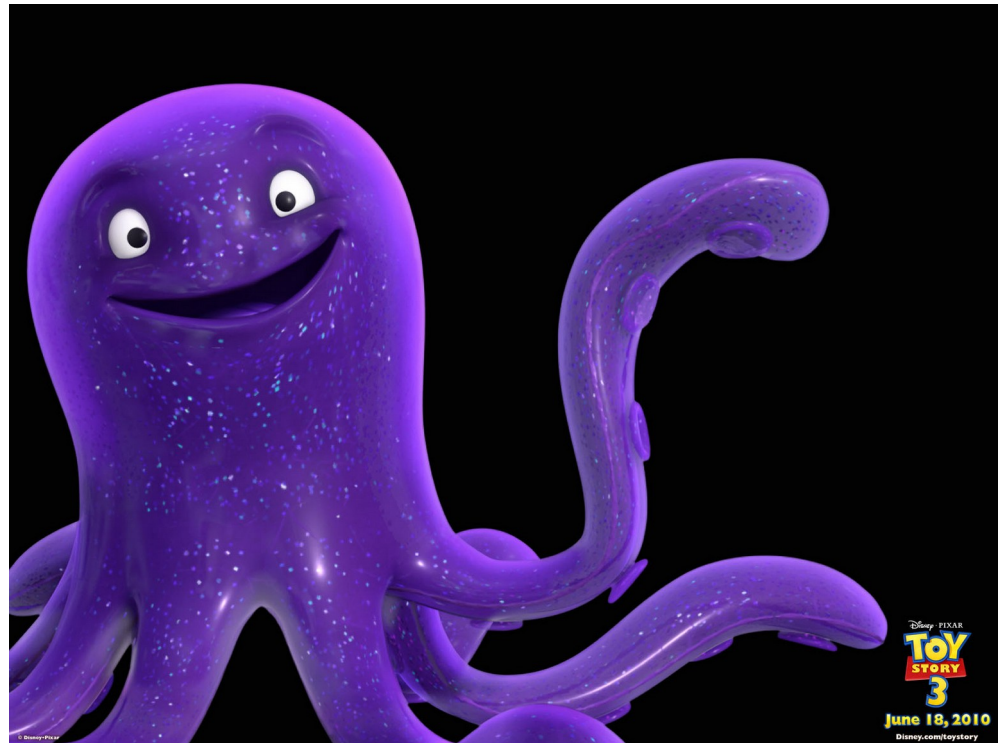
and... also Next:

- Debian10 "Buster"

- Date: 2 + 2 years = 2019/04 (?)

History & future

- 3.1 Sarge   : 2005/06/06

- 4.0 Etch   : 2007/04/08

- 5.0 Lenny   : 2009/02/14

- 6.0 Squeeze: 2011/02/05

- 7   Wheezy : 2013/05/04

- **8   Jessie   : 2015/04/25 ← We're here!**

- 9   Stretch : 2017/04?

- 10 Buster   : 2019/04?

And Long Term Support for oldstable/oldoldstable

- LTS has started since Wheezy

  - Extra 2 years limited security update support for old releases （≒ 5 years support)

  - First for squeeze(Debian6), and continues for 7 and 8
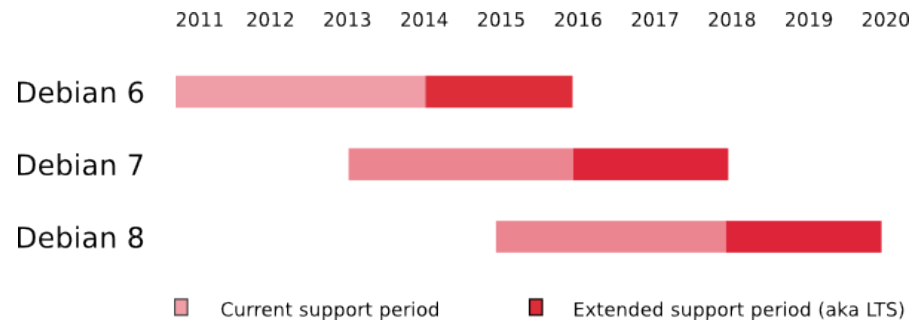
  - Funded by commercial sponsors (GREE, etc)

  - See https://www.freexian.com/en/services/debian-lts.html

Debian8?

- Arch: new & drop
  - New: arm64, ppe64el
  - Drop: kfreebsd-i386/amd64
  - Replace: s390 → s390x
- More packages: 37,500 → 43,000 (115%)
- Newer, more features
  - GNOME3.6 → 3.14, etc
- New but not suitable for release at that time…
  - Jessie-backports (not by default)

Debian8?(cont.)

- Any huge changes...
  - systemd?
    - it's just a replacement :D
      - You can still use sysvinit script
    - Not use full feature (e.g. journald)
    - but you should adapt "systemctl"
  - Apache2.2 -> 2.4
    - incompatible configuration
      - check "authentication" for accessible pages
  - PHP5.4 -> 5.6
    - Incompatibility
  - Anyway, see Release notes
    https://www.debian.org/releases/jessie/amd64/release-notes/

Debian8?(cont.)

- some changes (already)
  - able to select desktop environment during installation
    - no more noisy "Which is default desktop environment in Debian?" discussion
  - Japanese Desktop
    - IM: uim + anthy/mozc (no changes)
      - other distro: ibus (no benefit, IMO)

Select desktop environment

Debian8?(cont.)

- More strict packaging effort
  - Copyright format 1.0
    (machine readable copyright format)

  - Remove "privacy breach" link

more infrastructure improvement

- security.debian.org comes to Japan :)
  - thanks to さくらインターネット

- more repo mirror in Japan
  - さくらインターネット
  - フェアーウェイ (http://fairway-corp.co.jp/)

- official redirector service
  - httpredir.debian.org

more infrastructure for developers

- tracker.debian.org (successor of PTS)

- sources.debian.net

- codesearch.debian.net

- ci.debian.net

- reproducible.debian.net

Want More Debian info?

- Check "Software Design"!

Debian aims

- Portability
  - gcc <-> llvm
  - Architecture (ppc64el, arm64, etc)
  - Kernel (Linux, FreeBSD, Hurd)

- "trusted" system
  - reproducible build
    - Surely its binary was built with its source
  - Copyright format 1.0
    - Able to check license and copyright easily

Debian aims...?

- Not "top down" approach
  - Project Leader ≠ Benevolent Dictator For Life
  - If you want something to Debian, **YOU** MUST DO IT
    - Reproducible build
    - Clang rebuild
    - Hardening
      - Etc... They did it.
    - You're **NOT** well paid customer

"It's hard for me..."

- There is NO EXCUSE
  - Language barrier?
  - Tech issue?
  - Who is the contact person?
- I can understand, but I did it
  - Package compression switched to XZ

Debian9?

- some changes (future)
  - "smaller" system by default
    - for container/embedded system
    - demote some packages' priority
    - less packages: "default minimal install"
  - Japanese Desktop
    - should we drop anthy from default in next release?
    - import libkkc (from Fedora)?

Debian9?(cont.)

- some changes (future, cont.)
  - distribute DeCSS?
    - distribution is illegal in Japan
      (不正競争防止法）
    - use for ripping is also illegal in Japan
      （著作権法）

Debian9?: Infra

- PPA

- "cloud" development machine

  – based on OpenStack

Needs

- more automated test
  - Autokpkgtest
  - CI for __all__ packages
  - more Exploratory Software Testing by contributors
    - See "bohdi" by fedora
- improve "many-legged-race" situation
 - enhance in point release?

Wants

- "cloud ready"
    - Official images for each cloud: AWS, Azure, GCE, etc…

- collaborative development/translation like GitHub

- attractive "21st century style" website
    - i.e. gentoo.org

Wants (cont.)

- Security feature
  - SELinux / AppArmor integration
  - More compiler hardening
    - https://wiki.debian.org/ReleaseGoals/SecurityHardeningBuildFlags

Any opinion & effort for Stretch?

- Debian is developed by volunteers, not by company
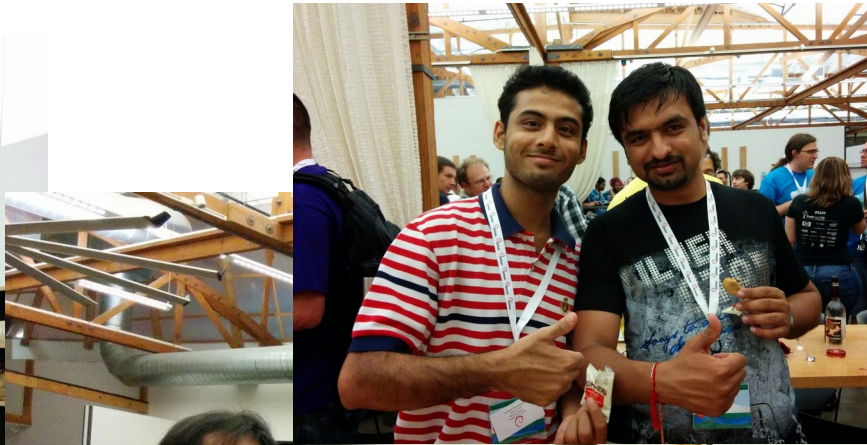
Any opinion & effort for Stretch?

- Debian is developed by volunteers,
  not by company
  - We need YOUR idea/hand/donation!
  - We do NOT want noisy reviewers
    - *Ask not what Debian can do for you
      — ask what you can do for Debian!*

Love & Action

- Info:
  - Magazine
  - Twitter (@debianjp)
  - Web
  - Event

- Action:
  - Discussion (not DISS (disrespect))
  - Report
  - Donate
  - …

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  - Donate
  - ... smile and Say "Thank you! :-)"