

# Debian 9

(Stretch)



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Debian Maintainer

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# A lil' bit of history

- Ian Murdock – 1993
- First stable release – 1996
- Before Debian: Softlanding Linux System (SLS) – Buggy, less maintained, pain to install
- Buzz, Rex, Bo, Hamm, Slink, Potato, Woody, Sarge, Etch, Lenny, Squeeze, Wheezy, Jessie, Stretch Buster, Bullseye

Trivia: If you want to prove your love to your girlfriend, name an OS after her  
**DEBra + IAN => Debian**



# The Three Ps

- Philosophy
  - Probably the best
  - 100% Free Software
  - Do-o-cratic
- People
  - Purely voluntary
  - 1000+ Debian Developers – All over the world
  - Democratic elections
- Product
  - Well, THE best!

# Commitments

- Debian Social Contract
  - 100% Free
  - Will give back to society
  - Won't hide problems
  - Priorities – Users and Free Software
  - Pragmatic implementation – contrib and non-free
- Debian Free Software Guidelines
  - 10 guidelines for acceptance
  - We take this thing pretty seriously



# How are we different?

- Priority – Stability, Stability, Stability
- Release when ready – Around 24 months
- 8 supported Architectures
- 3 supported Kernels (+1 abandoned since 2002)
  - Linux
  - Hurd
  - kFreeBSD

# The three branches

- Stable
- Testing
- Unstable
- \* Experimental
- Package release process
  - Upstream => Package => Unstable => Testing  
=> Stable (Release)



# The three repositories

- Main
  - 100% Free Software
  - With complete source code and perfectly rebuildable
- Contrib
  - Free software, but depends on external tools
- Non-free
  - Binary blobs, firmwares etc that are essential
- \* Backports, -updates

# New In Stretch

- + mips64el
- - powerpc
- Newer Kernel – 4.9
- Newer libraries
  - gcc – 6.3
  - Ruby – 2.3
  - PHP – 7.0
  - Python – 3.5
- Newer softwares
  - MySQL => MariaDB
  - LibreOffice => 5.2
  - Calligra => 2.9
  - Inkscape => 0.91
  - Vim => 8
  - Emacs => 25.1



# New In Stretch

(Technical)

- New archive layout
- New package mirror
- Modern branch of GnuPG
- New archive for debug symbols
- New method for naming network interfaces
- Non-root Xorg server

# Talk with us / Getting help

- IRC
  - OFTC. #debian-\* channels
- Mailing lists
  - [debian-user@lists.debian.org](mailto:debian-user@lists.debian.org)
- Wiki
  - <http://wiki.debian.org/>
- Forum
  - <http://forums.debian.net/>



# Helping Debian

- Using
- Writing documentation
- Translations
- Bug identification and reporting
- Bug fixing
- Packaging
- Helping in maintenance of infrastructure
- And much more...

# Like to know more?

- Ping me
  - [balasankarc@autistici.org](mailto:balasankarc@autistici.org)
  - Diaspora: [bsc@poddery.com](mailto:bsc@poddery.com)
  - Matrix: @balasankarc:matrix.org
  - Twitter: @cbalasankar
  - Telegram: @balasankarc
- Online groups
  - #gnulinuxlovers:matrix.org in Matrix
  - @gnulinuxlovers in Telegram