

# Bits from the DPL

---

Mehdi Dogguy

`mehdi@debian.org`



---

July 5th, 2016

DebConf16 – Cape Town, South Africa

# Welcome

- ▶ Welcome to all!



# Welcome

- ▶ Welcome to all!
  
- ▶ Thanks for people involved in DC16 organization!



# Welcome

- ▶ Welcome to all!
- ▶ Thanks for people involved in DC16 organization!
- ▶ Thanks for the University of Cape Town for hosting us!



# New records

... or funny facts



# New records

... or funny facts

- ▶ 1st DebConf in Africa



## New records

... or funny facts

- ▶ 1st DebConf in Africa
- ▶ 1st DebConf near Pinguins



# New records

... or funny facts

- ▶ 1st DebConf in Africa
- ▶ 1st DebConf near Pinguins
- ▶ 1st DPL born in Africa
- ▶ ... and we can keep going by combining them!





# How Debian is doing these days?

Some team changes:

- ▶ Debian Maintainers (keyring) maintainers and Front Desk teams' delegations were revoked
- ▶ Phil Hands (philh) joined the Technical Committee
- ▶ Press, Publicity and Bits teams are just one team now!
- ▶ Laura Arjona Reina (larjona) and Neil McGovern (neilm) accepted to join the Anti-Harassment team



# How Debian is doing these days?

Some team changes:

- ▶ Debian Maintainers (keyring) maintainers and Front Desk teams' delegations were revoked
- ▶ Phil Hands (philh) joined the Technical Committee
- ▶ Press, Publicity and Bits teams are just one team now!
- ▶ Laura Arjona Reina (larjona) and Neil McGovern (neilm) accepted to join the Anti-Harassment team

Regular pings of core teams



How Debian is doing these days?



## How Debian is doing these days?

- ▶ Only 10 packages in the NEW queue!



## How Debian is doing these days?

- ▶ Only 10 packages in the NEW queue!
- ▶ 90% of packages successfully built reproducibly in testing/amd64



# How Debian is doing these days?

- ▶ Only 10 packages in the NEW queue!
- ▶ 90% of packages successfully built reproducibly in testing/amd64
- ▶ 29 interns are working with us this summer:
  - ▶ 4 in Outreachy
  - ▶ 25 in the Google Summer of Code



# How Debian is doing these days?

- ▶ Only 10 packages in the NEW queue!
- ▶ 90% of packages successfully built reproducibly in testing/amd64
- ▶ 29 interns are working with us this summer:
  - ▶ 4 in Outreachy
  - ▶ 25 in the Google Summer of Code
- ▶ Shortest freeze (171 days) since Sarge and Slink! And Stretch's freeze is looking well prepared!



# What made Debian successful?

1. Large active community
2. High quality and Stability
3. Largest package repository
  - ▶ Famous package manager
  - ▶ Good packaging tools
4. Commitment to Free Software and philosophy of our project
  - ▶ Debian Free Software Guidelines
  - ▶ Debian Social Contract





# Outline

1. Code of Conduct
2. Quality Assurance
3. Roadmap
4. Funding Debian projects
5. DPL workload



# 1 Code of Conduct



# Code of Conduct

The CoC clarifies our values and principles

- ▶ [https://www.debian.org/code\\_of\\_conduct](https://www.debian.org/code_of_conduct)
- ▶ <https://debconf.org/codeofconduct.shtml>

In a nutshell:

- ▶ Be respectful
- ▶ Assume good faith
- ▶ Be collaborative
- ▶ Try to be concise
- ▶ Be open

A good read:

- ▶ Debian Community Guidelines, by Enrico Zini



# Code of Conduct

Do not hesitate to call for help if needed!

- ▶ People next to you and you feel confident with!
- ▶ Anti-harassment team
- ▶ Debian Account Managers



# Code of Conduct

Do not hesitate to call for help if needed!

- ▶ People next to you and you feel confident with!
- ▶ Anti-harassment team
- ▶ Debian Account Managers

Further steps?



# Code of Conduct

Do not hesitate to call for help if needed!

- ▶ People next to you and you feel confident with!
- ▶ Anti-harassment team
- ▶ Debian Account Managers

Further steps?

- ▶ Consequences of misconduct should be made more explicit and clear



# Code of Conduct

Do not hesitate to call for help if needed!

- ▶ People next to you and you feel confident with!
- ▶ Anti-harassment team
- ▶ Debian Account Managers

Further steps?

- ▶ Consequences of misconduct should be made more explicit and clear
- ▶ **Communicate about the existence of the CoC**



# Code of Conduct

Do not hesitate to call for help if needed!

- ▶ People next to you and you feel confident with!
- ▶ Anti-harassment team
- ▶ Debian Account Managers

Further steps?

- ▶ Consequences of misconduct should be made more explicit and clear
- ▶ Communicate about the existence of the CoC
- ▶ Ask new members to sign-up the CoC, just like they do for DMUP, DFSG and the Social Contract





## 2 **Quality Assurance**



# Quality Assurance

Some figures to realize the work done for each release:

Codename	# of sources <sup>1</sup>	# of binaries <sup>2</sup>
Squeeze	14585	28650
Wheezy	17145 (+ 2k)	35490 (+ 6k)
Jessie	20565 (+ 3k)	42106 (+ 7k)
Sid	24399 (+ 4k)	50261 (+ 8k)
Testing	23476	47703

Human and manual testing is less and less relevant.

---

<sup>1</sup>Number of unique source packages in main

<sup>2</sup>Number of unique binary packages in main



# Quality Assurance

- ▶ [piuparts.debian.org](http://piuparts.debian.org)
  - ▶ Tests that .deb packages can be installed, upgraded, and removed without problems
- ▶ [jenkins.debian.net](http://jenkins.debian.net)
  - ▶ Chroot installations and upgrades
  - ▶ Reproducible builds
- ▶ Dose tools
  - ▶ Non-installable packages
  - ▶ File-overwrite errors
- ▶ [ci.debian.net](http://ci.debian.net)
  - ▶ Runs “as-installed” tests of packages (as specified by DEP8)
- ▶ ...

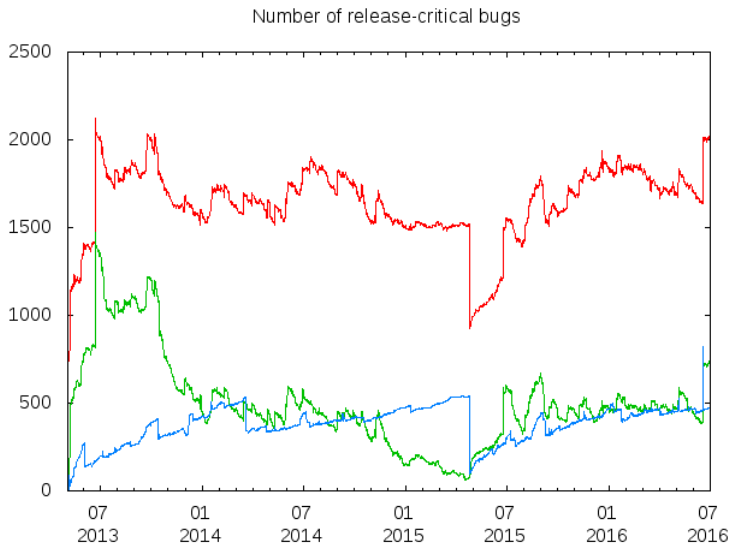


# Quality Assurance

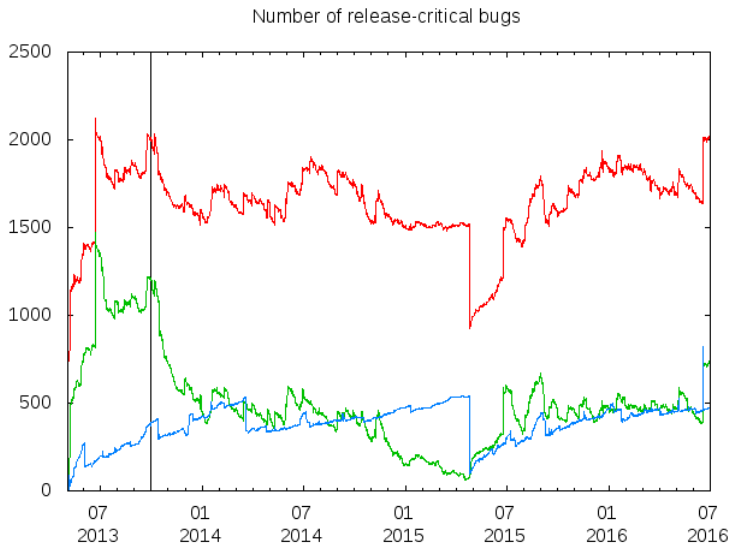
- ▶ [piuparts.debian.org](http://piuparts.debian.org)
  - ▶ Tests that .deb packages can be installed, upgraded, and removed without problems
- ▶ [jenkins.debian.net](http://jenkins.debian.net)
  - ▶ Chroot installations and upgrades
  - ▶ Reproducible builds
- ▶ Dose tools
  - ▶ Non-installable packages
  - ▶ File-overwrite errors
- ▶ [ci.debian.net](http://ci.debian.net)
  - ▶ Runs “as-installed” tests of packages (as specified by DEP8)
  - ▶ ~20% of packages have a set of autopkgtest tests
- ▶ ...



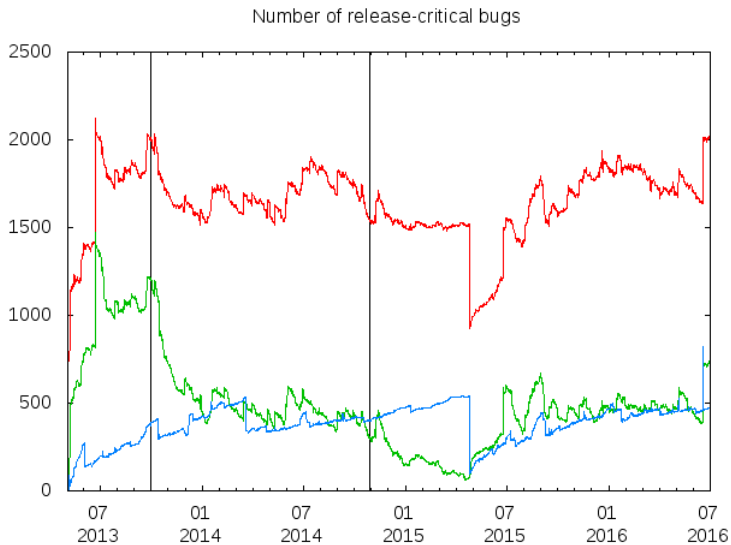
# Auto-Removals



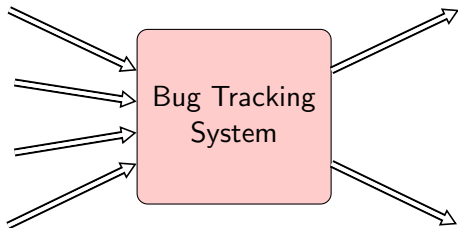
# Auto-Removals



# Auto-Removals

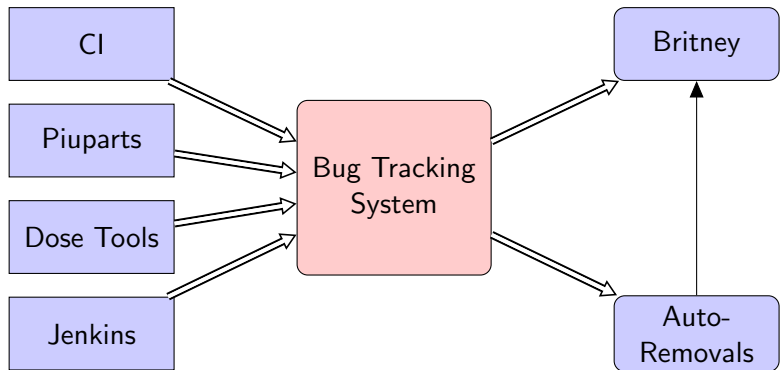


# Workflow

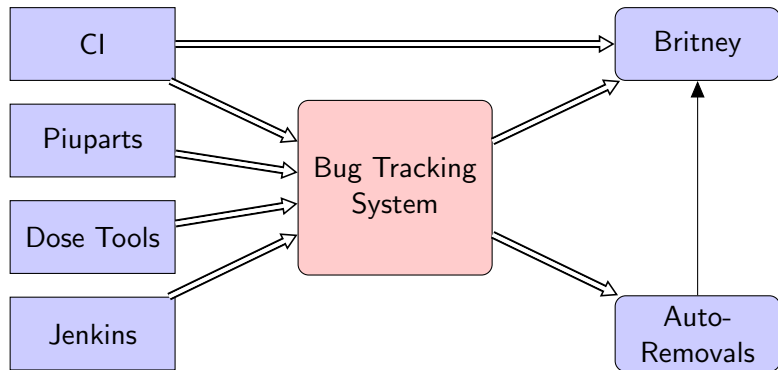




## Workflow



## Workflow



- ▶ Prevent migration of packages when there are regressions in CI tests



# 3 Roadmap



# Roadmap

- ▶ Debian is a big project
- ▶ There are more than 100 teams
- ▶ Communication is not our strength



# Roadmap

- ▶ Debian is a big project
- ▶ There are more than 100 teams
- ▶ Communication is not our strength

It is hard to keep up with what happens within Debian



# Roadmap

- ▶ Debian is a big project
- ▶ There are more than 100 teams
- ▶ Communication is not our strength

It is hard to keep up with what happens within Debian  
It is even harder for our downstreams



# Roadmap

- ▶ Debian is a big project
- ▶ There are more than 100 teams
- ▶ Communication is not our strength

It is hard to keep up with what happens within Debian

It is even harder for our downstreams

And what about users, non regular contributors, press, etc...?



# Roadmap

- ▶ Debian is a big project
- ▶ There are more than 100 teams
- ▶ Communication is not our strength

It is hard to keep up with what happens within Debian

It is even harder for our downstreams

And what about users, non regular contributors, press, etc...?

apt-get dist-upgrade is **not** a way to promote our work





# Roadmap

We used to have Release Goals

- ▶ Areas of functionality aimed for the next release
- ▶ Not release blockers
- ▶ Bugs opened for Release Goals raised in severity to 'important'

But...

- ▶ Release goals were bound to the next release
- ▶ Release Team decided that “it was not the right place to determine them”<sup>3</sup>

---

<sup>3</sup><https://lists.debian.org/debian-devel-announce/2013/11/msg00007.html>



“We can't be what we can't see”



# Roadmap

A roadmap:

- ▶ reveals gaps between what we do and what we should be doing
- ▶ sets priorities
- ▶ provides a strategic view, a vision to the project
- ▶ is a communication tool
- ▶ can be a recruitment platform



# Roadmap

A roadmap:

- ▶ reveals gaps between what we do and what we should be doing
- ▶ sets priorities
- ▶ provides a strategic view, a vision to the project
- ▶ is a communication tool
- ▶ can be a recruitment platform

It is a way to:

- ▶ provide direction,
- ▶ motivation,
- ▶ a clear way to measure your progress,
- ▶ see the big picture,
- ▶ and stay focused.



# Roadmap

S.M.A.R criteria:

- ▶ Specific: be as specific as possible about the goal
- ▶ Measurable: Set some milestones, Monitor its progress
- ▶ Assignable: who will do it
- ▶ Realistic or Relevant



# Roadmap

## S.M.A.R.T criteria:

- ▶ Specific: be as specific as possible about the goal
- ▶ Measurable: Set some milestones, Monitor its progress
- ▶ Assignable: who will do it
- ▶ Realistic or Relevant
- ▶ Timely: when the results can be achieved.



# Roadmap

## S.M.A.R.T criteria:

- ▶ Specific: be as specific as possible about the goal
- ▶ Measurable: Set some milestones, Monitor its progress
- ▶ Assignable: who will do it
- ▶ Realistic or Relevant
- ▶ Timely: when the results can be achieved.
  - ▶ When it is ready!



# Roadmap

## S.M.A.R.T criteria:

- ▶ Specific: be as specific as possible about the goal
- ▶ Measurable: Set some milestones, Monitor its progress
- ▶ Assignable: who will do it
- ▶ Realistic or Relevant
- ▶ Timely: when the results can be achieved.
  - ▶ When it is ready!
  - ▶ Tentative to get it ready by Bullseye's freeze time





# Roadmap

What the roadmap is **not**:

- ▶ a Release Goal
- ▶ a Release Plan
- ▶ a way to discourage individual initiatives
- ▶ only about packages and archive-wide changes

Project goals should not necessarily be bound to a release.



# How can we implement this?

Who will organize this?

- ▶ Nobody
- ▶ DPL
- ▶ Technical Committee
- ▶ New team?



# How can we implement this?

Who will organize this?

- ▶ Nobody
- ▶ DPL
- ▶ Technical Committee
- ▶ New team?

Can you give some examples for potential goals?

- ▶ “Essential:yes” and “Required” packages are reproducible
- ▶ All packages with daemons provide a unit file for SystemD
- ▶ Move from menu system to .desktop files
- ▶ CI tests blockers for testing migration
- ▶ ...



# Roadmap

We need:

- ▶ ... a tool to promote our work
- ▶ ... an effective way to share our vision and goals (be them technical, social, organizational, ...)
- ▶ ... and more importantly: a decision process to set goals for the project **and** work on them collectively!



# Roadmap

We need:

- ▶ ... a tool to promote our work
- ▶ ... an effective way to share our vision and goals (be them technical, social, organizational, ...)
- ▶ ... and more importantly: a decision process to set goals for the project **and** work on them collectively!

Join the “Debian Roadmap” BoF on Thursday 7 in Menzies 10 at 11am.



## 4 Funding Debian projects



# How donated money was spent

- ▶ DebConfs
- ▶ Mini-DebConfs
- ▶ Sprints
- ▶ Hardware for Developers
- ▶ Infrastructure (Servers, Certificates, Domains, ...)



## Funding Debian projects — LTS

Debian Long Term Support (LTS)<sup>4</sup> is a project to extend the lifetime of all Debian stable releases to (at least) 5 years.

The goal is to make it easy for companies to contribute with money by hiring Debian contributors that would then provide security updates like any other contributor of the team.

---

<sup>4</sup><https://wiki.debian.org/LTS/>





## Funding Debian projects

Nobody could do extended security support for Debian before LTS.

Are there other projects stuck in the same way Debian LTS was?



## Funding Debian projects

Nobody could do extended security support for Debian before LTS.

Are there other projects stuck in the same way Debian LTS was?

If yes, can we identify them and find ways to get them done?



## Funding Debian projects

Nobody could do extended security support for Debian before LTS.

Are there other projects stuck in the same way Debian LTS was?

If yes, can we identify them and find ways to get them done?

Join the “Funding Debian projects” on Friday 8 in Menzies 12 at 2pm



## 5 DPL workload



## DPL workload

How many “requests” I get every week? (excluding Spam)



## DPL workload

How many “requests” I get every week? (excluding Spam)

# 10!

Some quick stats :

- ▶ 2263 mails received in June 2016
- ▶ Only 220 were real mail



## DPL workload — Daily tasks

- ▶ Mails, you never know what will happen
- ▶ Paying attention to teams that might need you **now**
- ▶ Approving expenses or budgets
- ▶ Communication



# DPL workload

What makes a big difference?





# DPL workload

What makes a big difference?

- ▶ Reactivity / Availability
- ▶ Transparency
- ▶ Communication
- ▶ Imagination



# DPL workload

What makes a big difference?

- ▶ Reactivity / Availability
- ▶ Transparency
- ▶ Communication
- ▶ Imagination
  - ▶ “Make any decision for whom noone else has responsibility”



# Thank you! And enjoy DebConf!

Subjects discussed during this talk:

- ▶ Code of Conduct
- ▶ Quality Assurance
- ▶ Roadmap
- ▶ Funding Debian projects
- ▶ DPL workload

Come and talk to me during DebConf!

- ▶ [leader@debian.org](mailto:leader@debian.org)
- ▶ mehdi on IRC

