Debian
Ubuntu
Python in Debian
The people
Modern Debian Python Packaging
DebConf16 Bid

Python in Debian:
Past, Present, Get involved!
Reprise (sorry)

Stefano Rivera

Hats: Yola, Debian, Ubuntu

3 October 2014
Pycon ZA

Debian
Ubuntu
Python in Debian
The people
Modern Debian Python Packaging
DebConf16 Bid

Outline

1. **Debian**

2. Ubuntu

3. Python in Debian

4. The people

5. Modern Debian Python Packaging

6. DebConf16 Bid

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Debian

Headcount

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Headcount

Who has heard of Debian?

Headcount

Uses Debian?

Headcount

(Wants?) to contribute to Debian?

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Headcount

Has contributed to Debian?

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What are we trying to do

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What are we trying to do

Free Software is written by disparate groups

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What are we trying to do

Coherent holistic product

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What are we trying to do

Universal Operating System

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What are we trying to do

Ever tried OSX?

What are we trying to do

Packages are useful

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What are we trying to do

Build systems, Dependencies

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Stable Release

Schedule:

- every $\sim$2 years
- 3 years support
- 5 years LTS (sponsored)

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Debian

Maintainers

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Debian is Feudal

but meritocratic

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Maintainers

Experts in a particular package

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Maintainers

Sponsored Maintainer, Debian Maintainer, Debian Developer

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Maintainers

Teams

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Ubuntu

Relationship to Debian

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Relationship to Debian

Opinionated, supported core

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Relationship to Debian

70% entirely unmodified Debian

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Relationship to Debian

Few new packages (Unity etc.)

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Relationship to Debian

Smaller team

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Release schedule

LTS: 2 year cycle, 5 year support

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Release schedule

6 month releases

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Release schedule

Paid archive maintenance

- Fast transitions
- Often slightly ahead of Debian
- But contributing back

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Python in Debian

Interpreter

Interpreter

We have python in Debian

Interpreter

and Python3

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Interpreter

and PyPy

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Python in Debian

Applications

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Applications

Useful to package

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Applications

Can be kept out of the import path

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Python in Debian

Libraries

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Libraries

but... virtualenvs?

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Libraries

for Applications

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for Developers

crazy build systems

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for Developers

C extensions

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for Developers

convenience

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Libraries

Only one version

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Libraries

dist-packages

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Python in Debian

History

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History

PEP20: There should be one – and preferably only one – obvious way to do it.

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History

pybuild

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The people

DPMT & PAPT

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Everything in SVN

Git migration

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DPMT & PAPT

Knowledgeable people and sponsors

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The people

Want to help?

Want to help?

http://deb.li/joindpmt

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Want to help?

Fix bugs!

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Want to help?

Review things

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Want to help?

Less packaging, more infrastructure

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The people

Upstream maintainers

Upstream maintainers

Engage with your distro maintainers

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Upstream maintainers

Join their team

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Upstream maintainers

Subscribe to bugs

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Upstream maintainers

Stable APIs

Upstream maintainers

Patience

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FAQ

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FAQ

Old packages

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FAQ

Latest crack

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Really old packages

Inactive maintainers

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Modern Debian Python Packaging

Fundamentals

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Source Package

Upstream source + Patches & Metadata

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Build systems

source -> binary*

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Build systems

dh

- Smart, Declarative
- Overrides

Modern Debian Python Packaging

pybuild

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pybuild

setup.py

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pybuild

all 3 python stacks

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pybuild

nose, py.test, unittest

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pybuild

dh plugin

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examples

unidecode

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examples

python-cffi

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Modern Debian Python Packaging

We're hiring

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We're hiring

http://deb.li/joindpmt

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Bring DebConf home

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Cape Town 2016

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Venue hunting

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Build a team

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Submit bid

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Bring DebConf home

```
#debconf16-capetown
irc.debian.org
http://deb.li/dc16cpt
```

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Thanks!
Questions?

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Slides:
Available at   https://github.com/stefanor/talks
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