

なれる! Debian開発者

45分でわかる?メンテナ入門

Hideki Yamane

(Debian Project:Debian JP Project/Debian Developer)

<henrich @ debian.org/.or.jp>

<http://wiki.debian.org/HidekiYamane>



今回のお話について

- ✓ 気楽に話をするセッションです :-)
- ✓ あくまでも私から見た視点です。
「こんな見方があるんだよ」と思ってください
- ✓ 質問は後でまとめてお願いします。
 - ✓ 最初にお名前をお願いします
 - ✓ 周りの人に聞こえるようにハッキリ発言ください
 - ✓ オフレコな話の場合は皆さん心の中にしまっておいてあげてください :-)

I Am

Who

I Am

self-introduction

- やまねひでき (Debian Developer, Debian Project/Debian JP Project)
 - 仕事は小さな会社の社内システム管理系中心
 - AD でグループポリシーが、SMSが、とか
 - 「PC壊れた！」 「Outlook の使い方が…」 とか…
 - 日々の息抜きに Debian をいじる日々。
フォントまわりとか
日本が開発元のソフトをパッケージに
(2ch ブラウザ JD とか)
 - Debian 関係なら何となくわかるので
縁があってお話をさせていただくことになりました。

よろしく
お願いいたします

本日のアジェンダ

- What's "Debian" ?
- 「パッケージ」について
 - 公式パッケージになるには？
- 「メンテナ」って何する人？
 - その作業内容
 - メンテナの種類 — 違いは何？
 - なってみよう！



Welcome! Debian!



debian

debian



What is “Debian” ?

- ディストリビューション名
- プロジェクト名
 - 1993 年開発開始
 - 最初はたった一人の大学生から



<http://en.wikipedia.org/wiki/File:IanMurdockKeynote.jpg>

The Universal OS

- あらゆるマシンでフリーなソフトウェアによるシステムを作り上げ、誰もが使えるOSを！



“Universal Studios” <http://www.flickr.com/photos/caribb/148526165/>

Server/Embedded Office/Education

Develop/Art

Desktop/Hobby

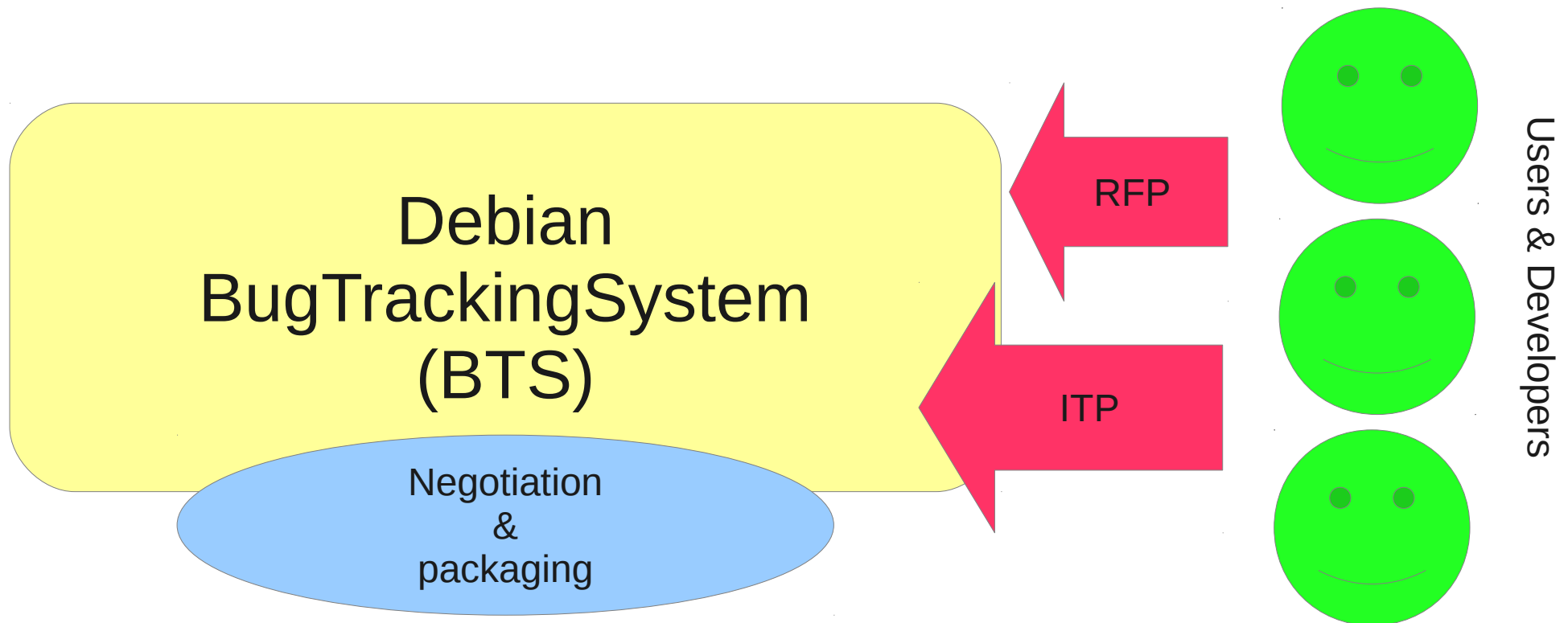


Consists of “packages”

「公式な」Debianパッケージ
になるには?



Request/Declare package



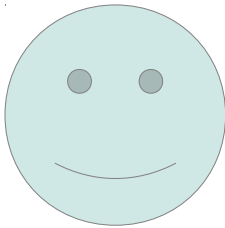
- ※RFP = Request For Package
- ※ITP = Intend To Package



Who can do RFP/ITP?

- Who can do RFP or ITP?

Upstream
Developers



Yes

Package
maintainers



We

users



Can!

Package needs “maintainer”



Maintainer?

- maintainer (複数形 maintainers)
 1. Someone who keeps or upholds something.
 2. A person who does maintenance work.
 3. (dentistry) A device used to keep teeth in a given position.

(<http://en.wiktionary.org/wiki/maintainer> より)



メンテナのお仕事

1. 新しいパッケージを作ってリポジトリに追加
2. 新しいバージョンに追随
3. バグ修正
4. パッケージのクオリティの向上

Create package!



Useful Tools for making package



dh-make

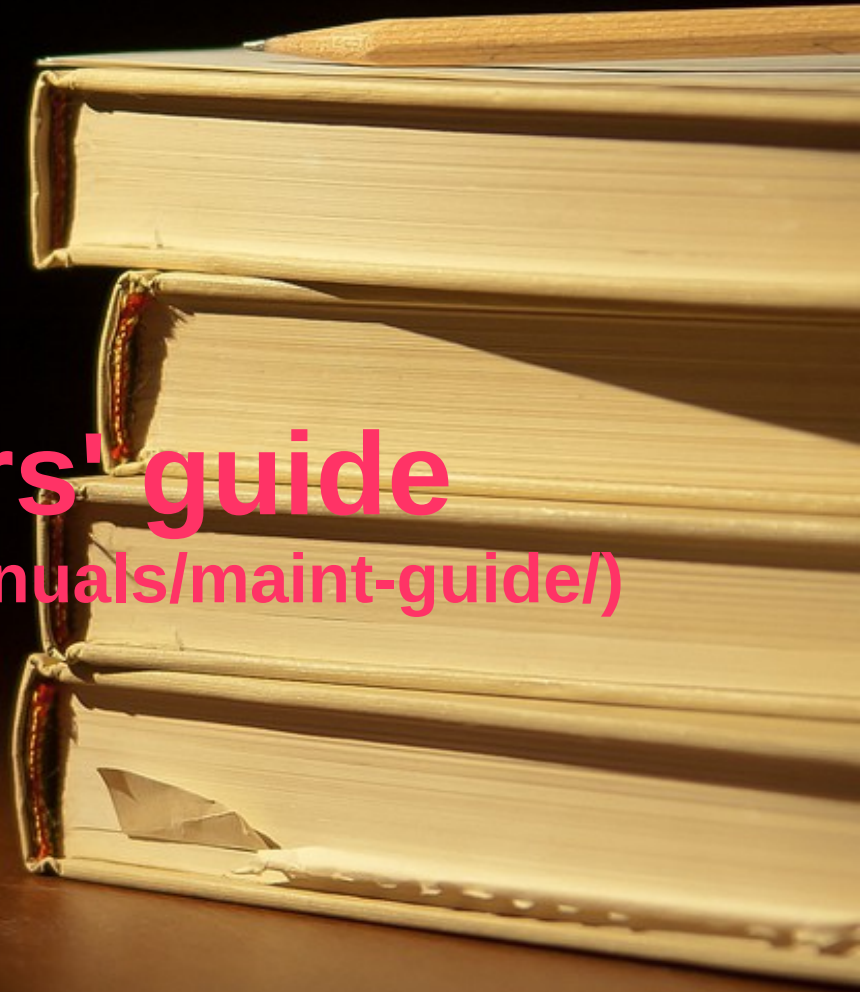
debhelper/cdbbs

devscripts

Good Documents

New maintainers' guide

(<http://www.debian.org/doc/manuals/maint-guide/>)



Useful Tools for checking package



- Policy compliant

- Lintian

- cleanroom build

- pbuilder/cowbuilder

- install,uninstall,upgrade

- piuparts



lintian.debian.org

Lintian Reports

MaintainersTagsPackages

Hideki Yamane (Debian-JP)

At the time of the last Lintian run, the following possible problems were found in packages maintained by Hideki Yamane (Debian-JP) <henrich@debian.or.jp>, listed by source package. See also the [full report](#), including info, experimental and overridden tags. Also see their [QA overview](#).

- [eclipse-nls-sdk](#)

eclipse-nls-sdk (3.2.1-3) - [Info](#) [PTS](#) [Bugs](#)

eclipse-common-nls
W [copyright-without-copyright-notice](#)

eclipse-jdt-nls
W [copyright-without-copyright-notice](#)

eclipse-nls
W [copyright-without-copyright-notice](#)

eclipse-pde-nls
W [copyright-without-copyright-notice](#)

eclipse-platform-nls
W [copyright-without-copyright-notice](#)

eclipse-rcp-nls
W [copyright-without-copyright-notice](#)

debian

piuparts.debian.org



POLICY IS YOUR FRIEND. TRUST THE POLICY. LOVE THE POLICY. OBEY THE POLICY.

<div>General information</div> <div>About + News</div> <div>Overview</div> <div>FAQ</div> <div>Bugs / ToDo</div>	henrich@debian.org in sid				
	other distributions: wheezy squeeze lenny2squeeze				
	fail:	0			
	unknown:	6	pleiades sylph-searcher loqui ccstools anthy jd		
	pass:	43	fonts-kouzan-mouhitsu fonts-kacst fonts-arphic-gkai00mp fonts-ipafont fonts-monapo fonts-komatuna fonts-horai-umefont darts ccspatch yydebug fonts-dejima-mincho mecab-naist-jdic freewnn fonts-kacst-one fonts-arphic-bkai00mp xfonts-efont-unicode tomoyo-tools fonts-unfonts-extra fonts-umeplus fonts-kanjistrokeorders fonts-takao fonts-aoyagi-soseki fonts-motoya-l-cedar fonts-misaki fonts-unfonts-core fonts-kiloji fonts-konatu fonts-arphic-gbsn00lp libsylph fonts-arphic-bsmi00lp fonts-ipaexfont mirmon fonts-yozvox-yozfont fonts-motoya-l-maruberi fonts-sawarabi-gothic fonts-aoyagi-kouzan-t ttf-sazanami poppler-data fonts-vlgothic ttf-kochi naist-jdic chasen fonts-sawarabi-mincho		
Documentation					
piuparts README					
piuparts manpage					
piuparts.d.o configuration: piuparts.conf.piatti scripts					
Debian policy					
Available reports					
Bugs filed					
wheezy					
squeeze					
sid					
lenny2squeeze					
by maintainer / uploader					
by source package					
Other Debian QA efforts					
EDOS tools					
Lintian					
Package Tracking System					
Ultimate Debian Database					
Last update					
2011-10-17 06:56 UTC					
pleiades in sid					
Source:	pleiades	piuparts summary:	unknown	Version:	1.3.3-dfsg-2
Maintainer:	Hideki Yamane <henrich@debian.org>				
Binary:	pleiades	piuparts-result:	dependency-failed-testing N/A	Version:	1.3.3-dfsg-2
sylph-searcher in sid					
Source:	sylph-searcher	piuparts summary:	unknown	Version:	1.2.0-5
Maintainer:	Hideki Yamane <henrich@debian.org>				
Uploaders:	Ricardo Mones <mones@debian.org>				
Binary:	sylph-searcher	piuparts-result:	dependency-failed-testing N/A	Version:	1.2.0-5
loqui in sid					
Source:	loqui	piuparts summary:	unknown	Version:	0.5.1-1
Maintainer:	Hideki Yamane <henrich@debian.org>				
Uploaders:	Yoichi Imai <sunnyone41@gmail.com>				
Binary:	loqui	piuparts-result:	dependency-failed-testing N/A	Version:	0.5.1-1
ccstools in sid					
Source:	ccstools	piuparts summary:	unknown	Version:	1.7.3-20110401-1
Maintainer:	Hideki Yamane <henrich@debian.org>				
Binary:	tomoyo-ccstools1.7	piuparts-result:	dependency-failed-testing N/A	Version:	1.7.3-20110401-1
anthy in sid					
Source:	anthy	piuparts summary:	unknown	Version:	9100h-10
Maintainer:	NOKUBI Takatsugu <knok@daionet.gr.jp>				
Uploaders:	Hideki Yamane <henrich@debian.org>, NIIBE Yutaka <gniibe@fsij.org>				
Binary:	anthy	piuparts-result:	successfully-tested 9100h-10	Version:	9100h-10
Binary:	anthy-common	piuparts-result:	successfully-tested 9100h-10	Version:	9100h-10
Binary:	anthy-el	piuparts-result:	dependency-failed-testing N/A	Version:	9100h-10
			successfully-tested 9100h-10	Version:	9100h-10

http://piuparts.debian.org/sid/maintainer/h/henrich@debian.org.html#fonts-unfonts-core

<http://piuparts.debian.org/sid/maintainer/h/henrich@debian.org.html#fonts-unfonts-core>



practice&mentoring



MENTORS

Helps you get your packages into Debian

[Start page](#) [Package list](#) [Maintainer](#) [Reviews](#) [Sponsors](#) [Q & A](#) [Contact](#)

[Sign me up](#) [Login](#)

Welcome to mentors.debian.net

Only approved members of the Debian project (Debian Developers) are granted the permission to upload software packages into the Debian distribution. Still a large number of packages is maintained by non-official developers. How do they get their work into Debian when they are not allowed to upload their own packages directly? By means of a process called *sponsorship*. Sponsorship means that a Debian Developer uploads the package on behalf of the actual maintainer. The Debian Developer will also check the package for technical correctness and help the maintainer to improve the package if necessary. Therefore the sponsor is sometimes also called a mentor.

Note, not only Debian Developer are allowed to review packages. Everyone is encouraged to review packages! We appreciate your efforts as well.

Getting your package into Debian

See [our introductory page](#) for maintainers and learn how to use mentors.debian.net and get your packages into Debian. Furthermore see our [our introductory page for sponsors](#) to learn how to get in touch with a sponsor.

If you are curious about *Debexpo*, the software which is running this site, you can [read more about Debexpo on the Debian Wiki](#).

Recently uploaded packages

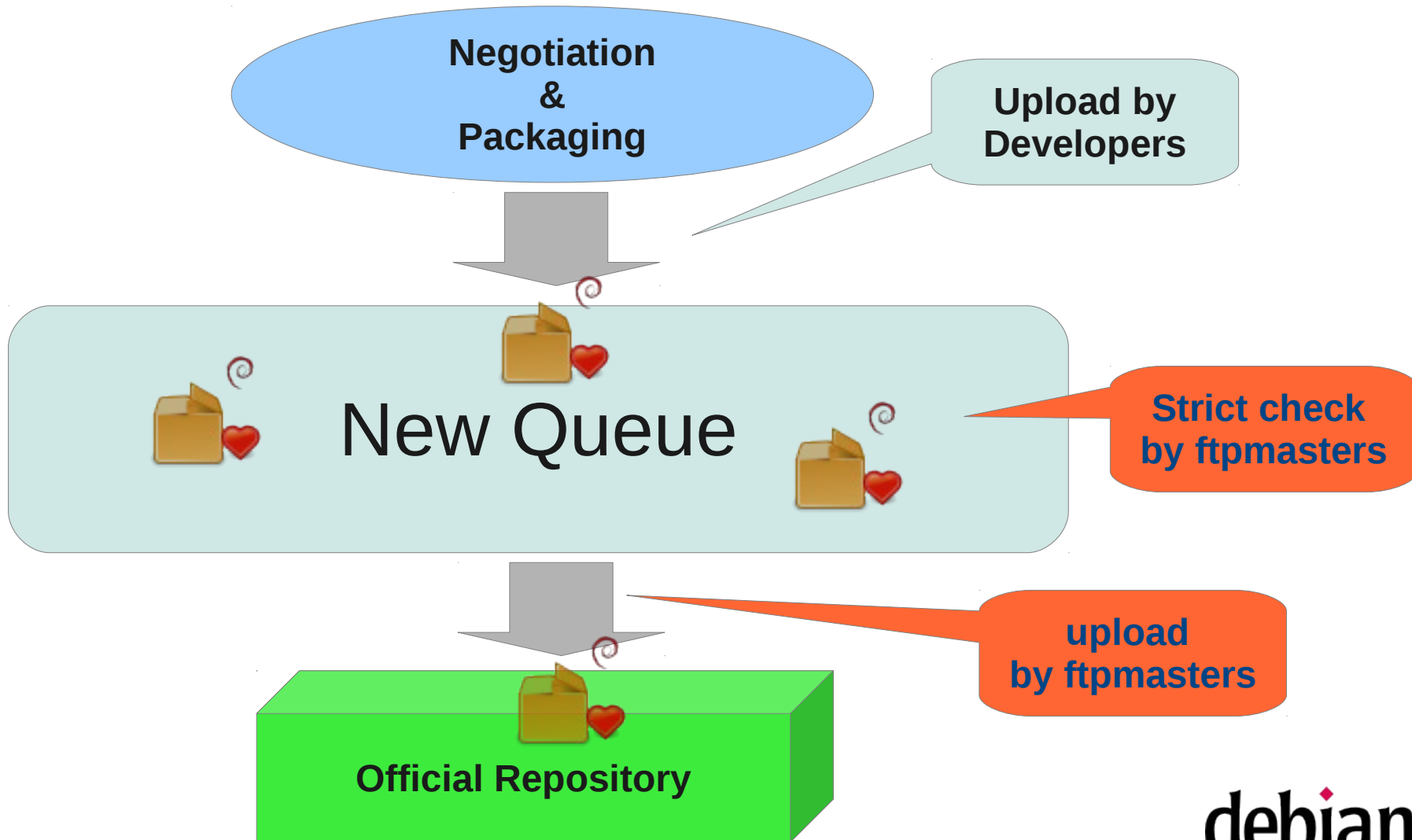
Today

Package	Description	Version	Uploader	Needs a sponsor?
conque	vim-conqueterm - plugin for running interactive commands in a Vim buffer	2.3-1	Harish Badrinath	Yes
gobiblecreator	gobiblecreator - Bible software for mobile phones for Java ME (MIDP 2.0)	2.4.1-1	Teus Benschop	Yes
bibledit-gtk	bibledit - transitional dummy package to bibledit-gtk bibledit-data - transitional dummy package to bibledit-gtk-data	4.4-1	Teus Benschop	Yes



Package!

put package to repository



After package comes to Debian



パッケージになってから

- **Upstream(開発元)の変更に追従**
 - なるべく固有パッチを取り入れてもらうようにする
- **BTS に報告されるバグの修正作業**
- **Policy の更新に追従**



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Watching new version



DEHS – Debian External Health Checker

Debian External Health Status

[Pkgs without watch file](#) | [Pkgs not in sync with upstream](#)
[Pkgs with watch file but no upstream version checkable](#) | [DEHS statistics](#)

By Maintainer:

実行

By package:

実行

All the scripts are copyright 2004 by [Stefano Fabri](#), and some Copyright 2007, 2008 by [Raphael Geissert](#)
Contact: dehs-devel@lists.alioth.d.o

Source code is available under the GPL terms in the [Subversion repository](#)



DEHS – Debian External Health Checker

🌀 Debian External Health Status 🌐

[Pkgs without watch file](#) | [Pkgs not in sync with upstream](#)
[Pkgs with watch file but no upstream version checkable](#) | [DEHS statistics](#)

DEHS report for henrich@debian.or.jp

[Pkgs without watch file](#) | [Pkgs not in sync with upstream](#)
[Pkgs with watch file but no checkable upstream](#) | [Pkgs up to date](#)

1 packages without a watch file, share: 4.76%

- Name: [eclipse-nls-sdk](#)
 - Pop Inst: [541](#)
 - WWiz upstream version: none
 - Debian version: 3.2.1-3
 - Last time checked: 2008-11-23 23:34:23
 - Last time found up to date:
 - Tot Upstream Bugs: 0
 - Avg days opened: 0
 - Distrib: [unstable](#)
 - Watch Wizard: [notmatch](#)
 - Uscan errors: No errors
 - Copyright: [view](#)

20 packages up-to-date, share: 95.24%

- Name: [ttf-umefont](#)
 - Pop Inst:
 - Upstream version: 401
 - Source download: [umefont-401.tar.gz](#)



パッケージになってから

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- Policy の更新に追随



Debian BTS

Debian Bug report logs: Bugs in package jd (version 1:2.3.0-090305-1) in unstable

Maintainers for jd are [Hideki Yamane \(Debian-JP\) <henrich@debian.or.jp>](#).

You might like to refer to the [jd package page](#), to the [Package Tracking System](#), or to the source package [jd](#)'s bug page.

If you find a bug not listed here, please [report it](#).

- [Outstanding bugs -- Minor bugs; Unclassified](#) (1 bug)
- [Outstanding bugs -- Wishlist items; Unclassified](#) (1 bug)
- [Resolved bugs -- Important bugs](#) (1 bug)

Outstanding bugs -- Minor bugs; Unclassified (1 bug)

- [#410499](#) [[m|u|](#)] [[jd](#)] [jd: unavailable English messages](#)

Outstanding bugs -- Wishlist items; Unclassified (1 bug)

- [#415602](#) [[w|u|](#)] [[jd](#)] [jd: please display a warning message if setlocale\(\) fails](#)

Resolved bugs -- Important bugs (1 bug)

- [#514022](#) [[i|_|e](#)] [[jd](#)] [can't post comments](#)

Summary

- Status
 - 2 Outstanding

Fixing bugs!!





パッケージになってから

- Upstream(開発元)の変更に追隨
 - なるべく固有パッチを取り入れてもらうようにする
- BTS に報告されるバグの修正作業
- Policy の更新に追隨



“POLICY”

- パッケージは「Debian Policy」に従って作成される
 - 人によっては面倒という人もいるが、逆に気楽
 - ポリシー自体も適宜バージョンアップされている
 - オートチェッカ「lintian」でポリシー非依存はバレバレ

Maintainer's task
(repeat)

1. Create





2. Watch & update

3. Fixing bugs!!



4. Improve package



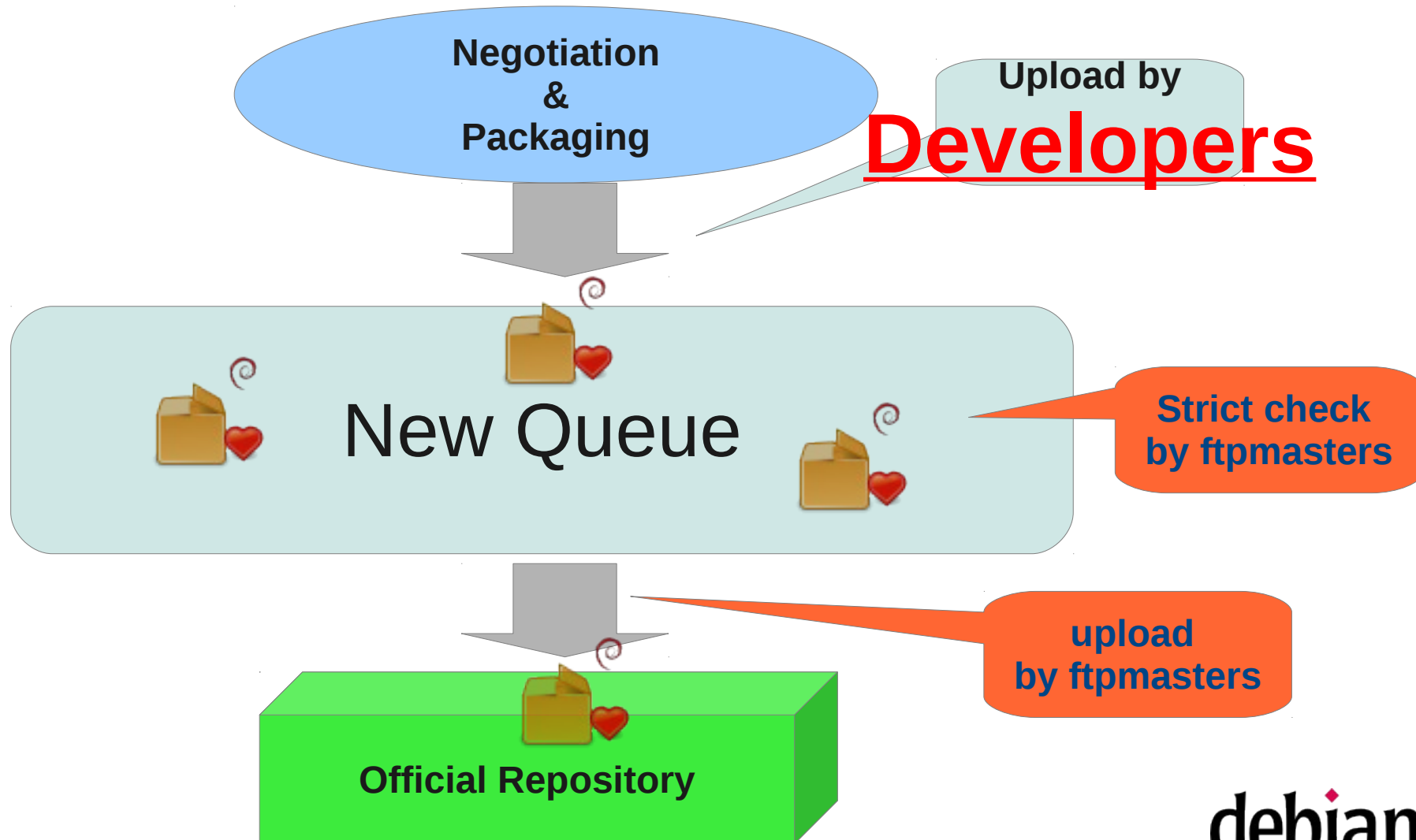


Package!

Now you get the package!

...Questions?

To become Official package



Developer \neq Maintainer



3 kinds of maintainer

Package Maintainer

Debian Maintainer (DM)

Debian Developer (DD)

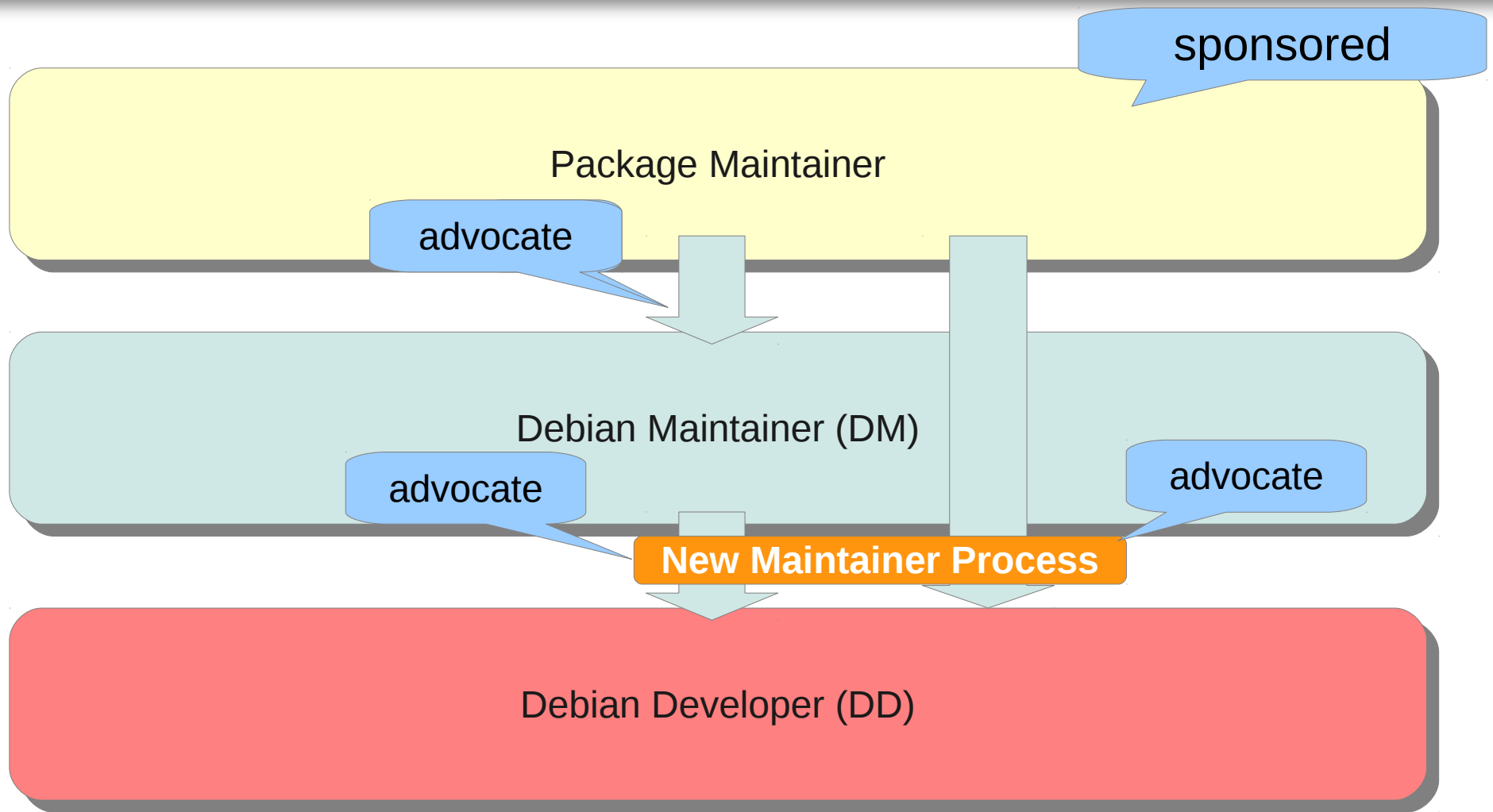


Difference?

	Package Maintainer	Debian Maintainer	Debian Developer
メンテパッケージ バグ報告の受信	◎	◎	◎
既存パッケージ 更新アップロード	×	○	◎
新規パッケージ アップロード	×	×	◎
ビルドマシン 利用	△	△	◎
プロジェクト 投票	×	×	◎
LWN.net購読権	×	◎	◎



Process





To become package maintainer?

Make package!

and just sponsored the package
by DD

debian



To become DM?

Apply!

and just advocated
by DD

debian



DD?

"New maintainer process"

ID Check

Philosophy

my gnupg keyid are...

Free, non-free...

task&skill

See it



task&skill Questions

- Q) Please find a bug to fix. Try to create a patch to fix it and submit this patch to the BTS (…)
- Q) For Debian package format, explain the difference between Depends, Recommends, Suggests and Enhances.
- Q) Which tools are available in Debian to help you with the handling of patches?



Maintainer and requirement

Package Maintainer → package sponsored

Debian Maintainer (DM) → advocated

Debian Developer (DD) → NM Process



Difference?

	Package Maintainer	Debian Maintainer	Debian Developer
メンテパッケージ バグ報告の受信	◎	◎	◎
既存パッケージ 更新アップロード	×	○	◎
新規パッケージ アップロード	×	×	◎
ビルドマシン 利用	△	△	◎
プロジェクト 投票	×	×	◎
LWN.net購読権	×	◎	◎

Install package \doteq root privilege



Trust



In Japan, Join US!

- Debian JP Project (<http://www.debian.or.jp>)



(for vocal browsers: [toc](#), [main](#))

Google™

Google 検索

☐ WWW 全体 ☒ www.debian.or.jp 検索

[トップ](#) | [導入と利用](#) | [コミュニティ](#) | [Debian JP Project](#)

おしらせ

- [最近の話題](#)
- [開発者向けニュース](#)

Debian の導入と利用

- [始めの一步](#)
- [クイックインストール解説](#)
- [リリース情報](#)
- [書籍情報](#)
- [»](#)

コミュニティ

- [概要](#)
- [メーリングリスト](#)
- [IRC](#)
- [バグ報告](#)
- [イベント](#)

最近の話題

- 「"Debian Meeting" with Coffee」開催のお知らせ
(2008/11/20 23:02)
- Lenny 用 Debian-Installer RC1 リリース
(2008/11/17 02:02)
- 楽天テクノロジーカンファレンス2008「ディストリビューション大集合」
(2008/11/17 01:02)
- 第46回 Debian 勉強会のお知らせ (ストリーミングあり)
(2008/11/12 19:02)
- Debian 3.1 "Sarge" がアーカイブサイト (archive.debian.org) へ移動
(2008/11/12 19:02)
- 関西 Debian 勉強会 in 関西オープンソース2008 は今週末です
(2008/11/04 08:02)
- Debian 4.0 "Etch" のアップデートリリース (Debian GNU/Linux 4.0r5)
(2008/10/25 11:02)


リリース情報

[Debian GNU/Linux 4.0 クイックインストールガイド](#)

[Debian GNU/Linux 4.0 リリースノート](#)
「以前のリリースからアップグレードする」(x86)、(amd64)、(arm)、(powerpc)

[Debian GNU/Linux 4.0 r5](#)
(安定版・コードネーム **etch**)

Debian のダウンロード

 [Debian を導入する](#)
»(もっと詳しく)

»(もっと詳しく)

debian



Go to Debian Study Meeting

- **東京/関西エリア Debian 勉強会**
 - 毎月一回Debianに関する勉強会を開催中
 - Debian公式開発者に会ったり
 - 最新情報入手したり、自分のネタを披露したり
- 11/19 @ OSC東京
- 12/25 @ 予定:大阪(第四日曜日)
- ... and more!
 - 詳しくは Debian JP Blog / twitter: @debianjp



WALLER MONTGOMERY FLAGG

I WANT YOU

Any Questions?

- To become official package...
- Maintainers' work...
- Tools - dh-make/debhelper/pbuilder/piuparts...
- Package maintainer/Debian Maintainer/Debian Developer...
- Etc.



“Rock solid **stable**”



Thank you.



pictures

- <http://wiki.debian.org/DebianArt/Themes/SpaceFun>
- I Am, Who I Am – 18/365
<http://www.flickr.com/photos/filmyz/4712557308/>
by Jeff Filman
-
- A successful tool is one that was used to do something undreamed of by its author.
<http://www.flickr.com/photos/katerha/5746905652/>
By katerha
- Package!
<http://www.flickr.com/photos/halfbisqued/2353845688/>
By Beck Gusler
- Thinking
<http://www.flickr.com/photos/nachoissd/3499105933/>
- Binoculars portrait (dscn4659_mod_vign_sm)
<http://www.flickr.com/photos/gerlos/3119891607/>
-
- These animals bite!
<http://www.flickr.com/photos/amagill/483539408/>
By Andrew Magill
- Shaking Hands
http://www.flickr.com/photos/aidan_jones/1234618279
- <http://www.flickr.com/photos/mikebaird/2928025358/>
- Questions:
<http://www.flickr.com/photos/42788859@N00/318947873/>
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<http://www.flickr.com/photos/apardo/36022037/>
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<http://www.flickr.com/photos/shutterhacks/4474421855/>