

DEBIAN MAINTAINER 101

Lesson 1: Introduction to Debian



ANDREA COLANGELO

DEBIAN DEVELOPER, UBUNTU DEVELOPER

ENGINEERING DEPARTMENT, UNIVPM — 2014, MAY 6TH

WHAT IS DEBIAN?

al riordinamento e alla distribuzione delle funzioni amministrative fra gli enti locali, restano alle Province ed ai Comuni le funzioni che esercitano attualmente, le altre Regioni delegano, in tutto o in parte, alla Provincia o al Comune. La nuova Repubblica, dunque, si propone di ridare alle amministrazioni locali, che sono quelle che hanno bisogno di essere vicine al cittadino, le funzioni che sono necessarie dal punto di vista della gestione della vita quotidiana. Le Regioni devono, tranne che in casi di necessità, trarre il proprio personale da quello dello Stato e degli enti locali.

OCIAT

hauen

È vietata la riorganizzazione, sotto qualsiasi forma, del disciolto partito fascista.

In deroga all'articolo 48, sono stabiliti i seguenti principi e norme applicabili per un quinquennio (l'articolo 49 della Costituzione), limitando temporaneamente il diritto di voto e della carica politica al responsabile del regime fascista.

Fino al giorno delle elezioni delle nuove Camere l'Assemblea Costituente può essere convocata quando vi sia necessità di deliberare sulle materie attribuite alla sua competenza (art. 77, par. 2, primo e secondo comma) e quando, al primo e secondo, del decreto legislativo 16 marzo 1946, n. 98,

divini

Il testo della Costituzione è depositato nella sala comunale di ciascun Comune della Repubblica per rimanervi esposto, durante tutto l'anno 1948, e per essere letto da una commissione di cittadini, presieduta dall'assessore, ogni volta che ne sarà richiesto.

Data di Roma, addì 27 dicembre 1947

(The Debian Constitution)

WHO ARE WE?

There are activists for
LEFT-WING PARTIES

There are activists for
RIGHT-WING PARTIES

There are activists for
OTHER PARTIES

There those who don't care
AT ALL

There are
CHRISTIANS

There are
MUSLIMS

There are
JEWS

There are

**TAOISTS, DISCORDIANS,
PASTAFARIANS**

There are
ATHEISTS

There are those who don't care
AT ALL

There are those who have
CHILDREN

There are those who have
GRANDCHILDREN

There are those who have
CHILDREN
who are Debian Developers

There are those who are
SINGLE

There are those who got

MARRIED

There are those who got

MARRIED

with another Debian Developer



Socially speaking, Debian is

COLOURFUL

There are
STUDENTS

There are
TEACHERS

There are
PHYSICIANS

There are

**ENGINEERS, MONKS,
FIREMEN, UNEMPLOYED**

There are those who own a
COMPANY

There are those who own a

COMPANY

asking their employees to work in Debian



In general, better not take anything for

GRANTED

WHAT CAN YOU DO WITH DEBIAN?

I use it on my own

LAPTOP

I use it on my own

SERVERS

It's used by my

MOM

I used it to control
MACHINERIES

I used it in an
HOSPITAL

I used it in a

STATE ARCHIVE

I use it to write
SOFTWARE

I use it to do nearly
EVERYTHING

Debian doesn't have a purpose

Debian doesn't have a purpose

IT'S YOU TO GIVE IT YOUR PURPOSE

Ask not what Debian can do for you

*Ask not what Debian can do for you
Ask what you can do for Debian*

*Ask not what Debian can do for you
Ask what you can do for Debian*

THEN WORK TO MAKE IT HAPPEN

*Ask not what Debian can do for you
Ask what you can do for Debian*

THEN WORK TO MAKE IT HAPPEN

(with the help of others too)

SOME HISTORY

Newsgroups: comp.os.linux.development
Path: gmd.de!xlink.net!howland.reston.ans.net!vixen.cso.uiuc.edu!sdd.hp.com!portal!imurdock
From: imur...@shell.portal.com (Ian A Murdock)
Subject: New release under development; suggestions requested
Message-ID: <CBusDD.MIK@unix.portal.com>
Sender: ne...@unix.portal.com
Nntp-Posting-Host: jobe.unix.portal.com
Organization: Portal Communications Company -- 408/973-9111 (voice) 408/973-8091 (data)
Date: Mon, 16 Aug 1993 13:05:37 GMT
Lines: 86

Fellow Linuxers,

This is just to announce the imminent completion of a brand-new Linux release, which I'm calling the Debian Linux Release. This is a release that I have put together basically from scratch; in other words, I didn't simply make some changes to SLS and call it a new release. I was inspired to put together this release after running SLS and generally being dissatisfied with much of it, and after much altering of SLS I decided that it would be easier to start from scratch. The base system is now virtually complete (though I'm still looking around to make sure that I grabbed the most recent sources for everything), and I'd like to get some feedback before I add the "fancy" stuff.

Please note that this release is not yet completed and may not be for several more weeks; however, I thought I'd post now to perhaps draw a few people out of the woodwork. Specifically, I'm looking for:

- 1) someone who will eventually be willing to allow me to upload the release to their anonymous ftp-site. Please contact me.
Be warned that it will be rather large :)
- 2) comments, suggestions, advice, etc. from the Linux community. This is your chance to suggest specific packages, series, or anything you'd like to see part of the final release.

- **12 RELEASES**



- **12 RELEASE**
- **13 (+8) ARCHITECTURES**



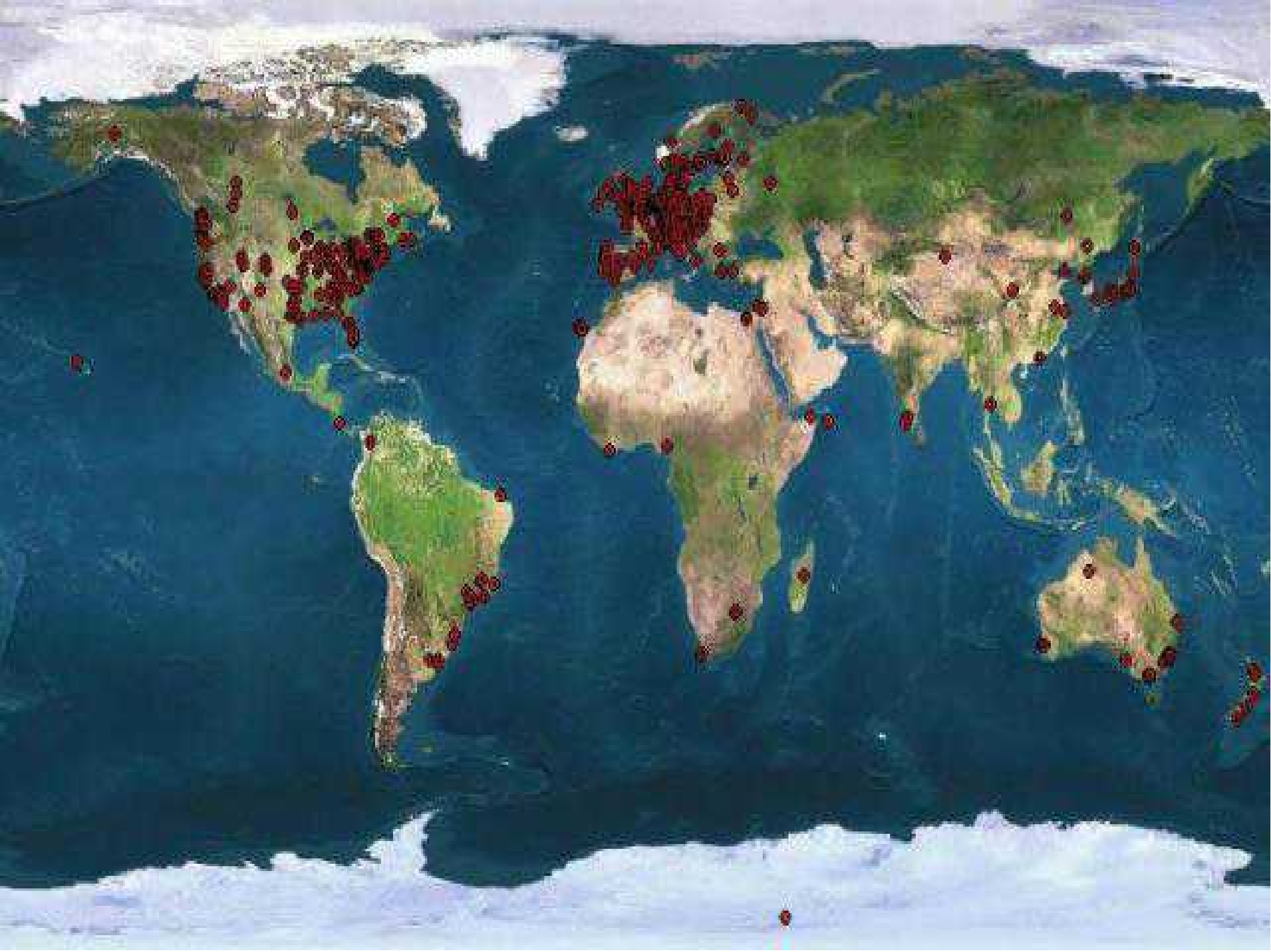
- **12 RELEASE**
 - **13 (+8) ARCHITETTURE**
 - **21500+ SOURCE PACKAGES**
- 

- **12 RELEASE**
- **13 (+8) ARCHITETTURE**
- **21500+ SOURCE PACKAGES**
- **976,404,649 LOCs (!!!)**

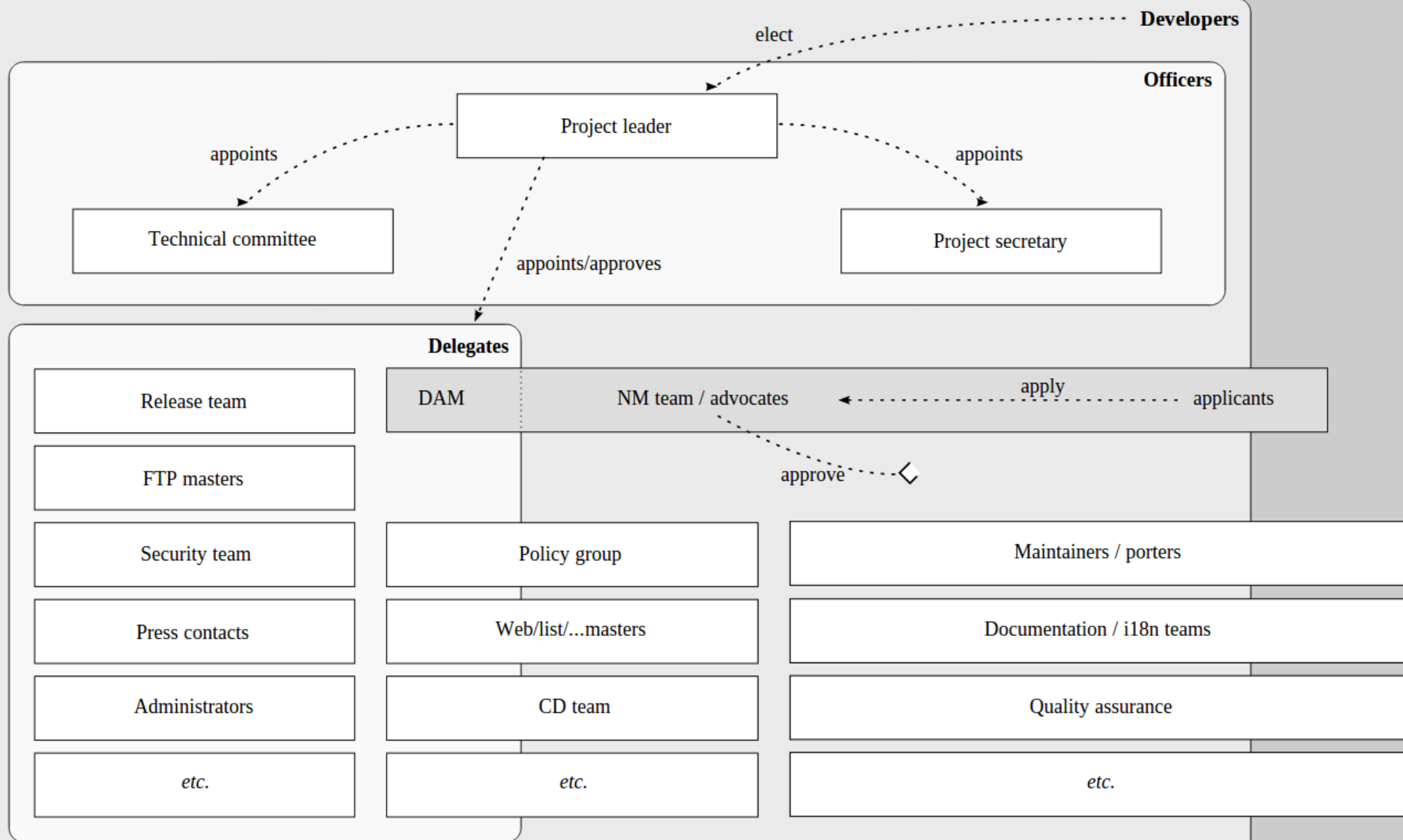
- **12 RELEASE**
- **13 (+8) ARCHITETTURE**
- **21500+ SOURCE PACKAGES**
- **976,404,649 LOCs (!!!)**
(621 LINES OF COBOL INCLUDED!)

- **12 RELEASE**
- **13 (+8) ARCHITETTURE**
- **21500+ SOURCE PACKAGES**
- **976,404,649 LOCs (!!!)**
(621 LINES OF COBOL INCLUDED!)
- **1505 MAINTAINERS**

- **12 RELEASE**
- **13 (+8) ARCHITETTURE**
- **21500+ SOURCE PACKAGES**
- **976,404,649 LOCs (!!!)**
(621 LINES OF COBOL INCLUDED!)
- **1505 MAINTAINERS**
- **1003 DEBIAN DEVELOPERS**



HOW DOES THE COMMUNITY WORKS?



DEBIAN PROJECT LEADER

DEBIAN PROJECT LEADER
PROJECT SECRETARY

DEBIAN PROJECT LEADER
PROJECT SECRETARY
TECHNICAL COMMITTEE

**DEBIAN PROJECT LEADER
PROJECT SECRETARY
TECHNICAL COMMITTEE
DELEGATES**

DEBIAN PROJECT LEADER

PROJECT SECRETARY

TECHNICAL COMMITTEE

DELEGATES

THE DEBIAN DEVELOPERS (ALL TOGETHER)

DEBIAN PROJECT LEADER

PROJECT SECRETARY

TECHNICAL COMMITTEE

DELEGATES

THE DEBIAN DEVELOPERS (ALL TOGETHER)

THE DEBIAN DEVELOPER (AS AN INDIVIDUAL)

DEMO-CRACY

vs

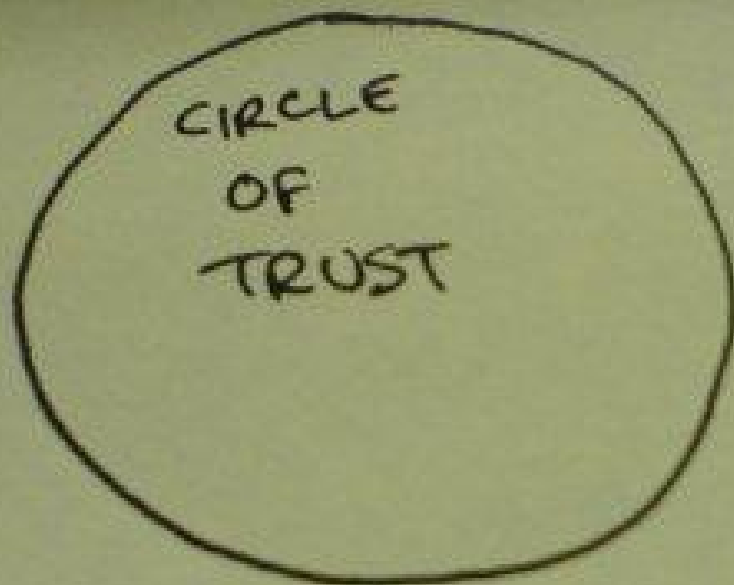
DO-OCRACY

WHO CAN CONTRIBUTE TO DEBIAN?



Short answer:

ANYONE

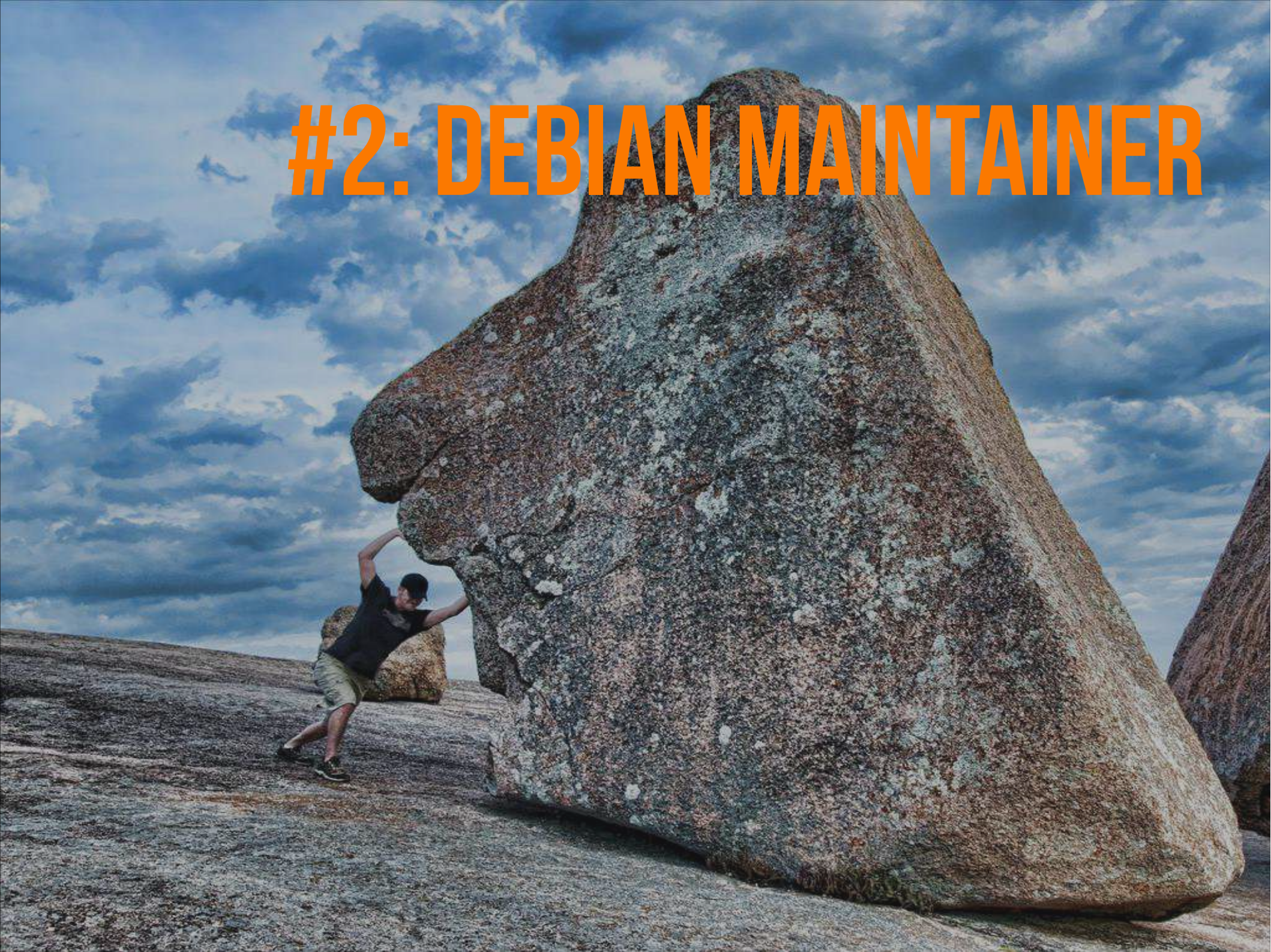


• ← YOU!!



#1: DEBIAN CONTRIBUTOR

#2: DEBIAN MAINTAINER



A full-page background image of Super Saiyan Vegeta from the anime Dragon Ball Z. He is shown from the waist up, with his signature spiky blonde hair and intense, angry expression. His mouth is wide open in a shout or roar. He is wearing his blue and white Saiyan armor. The background is a bright, hazy green and yellow with some light streaks. Overlaid on the lower half of the image is the text "#3: DEBIAN DEVELOPER" in a bold, orange, sans-serif font.

#3: DEBIAN DEVELOPER



#3: DEBIAN DEVELOPER

(the real one)

ANYONE

Sponsored uploads



ANYONE

Sponsored uploads
Debian Maintainer



ANYONE

Sponsored uploads
Debian Maintainer
Collab-maint access



ANYONE

Sponsored uploads

Debian Maintainer

Collab-maint access

Alioth commit rights

`ssh alioth.debian.org`



ANYONE

Sponsored uploads

Debian Maintainer

Collab-maint access

Alioth commit rights

ssh alioth.debian.org

Access to BTS

Access to mailing lists

Access to events



ANYONE

Sponsored uploads

Debian Maintainer

Collab-maint access

Alioth commit rights

ssh alioth.debian.org

Access to BTS

Access to mailing lists

Access to events

Blog on planet.debian.org



ANYONE

Sponsored uploads

Debian Maintainer

Collab-maint access

Alioth commit rights

ssh alioth.debian.org

Access to BTS

Access to mailing lists

Access to events

Blog on planet.debian.org



DEBIAN DEVELOPERS

Unrevised uploads

ANYONE

Sponsored uploads
Debian Maintainer
Collab-maint access
Alioth commit rights
`ssh alioth.debian.org`
Access to BTS
Access to mailing lists
Access to events
Blog on `planet.debian.org`



DEBIAN DEVELOPERS

Unrevised uploads
Vote rights

ANYONE

Sponsored uploads
Debian Maintainer
Collab-maint access
Alioth commit rights
`ssh alioth.debian.org`
Access to BTS
Access to mailing lists
Access to events
Blog on `planet.debian.org`



DEBIAN DEVELOPERS

Unrevised uploads
Vote rights
Delegated roles

ANYONE

Sponsored uploads
Debian Maintainer
Collab-maint access
Alioth commit rights
`ssh alioth.debian.org`
Access to BTS
Access to mailing lists
Access to events
Blog on `planet.debian.org`



DEBIAN DEVELOPERS

Unrevised uploads
Vote rights
Delegated roles
Advocate new DDs

ANYONE

Sponsored uploads
Debian Maintainer
Collab-maint access
Alioth commit rights
`ssh alioth.debian.org`
Access to BTS
Access to mailing lists
Access to events
Blog on `planet.debian.org`



DEBIAN DEVELOPERS

Unrevised uploads
Vote rights
Delegated roles
Advocate new DDs
`debian-private@l.d.o.`

ANYONE

Sponsored uploads
Debian Maintainer
Collab-maint access
Alioth commit rights
ssh alioth.debian.org
Access to BTS
Access to mailing lists
Access to events
Blog on planet.debian.org



DEBIAN DEVELOPERS

Unrevised uploads
Vote rights
Delegated roles
Advocate new DDs
debian-private@l.d.o.
<name>@debian.org

ANYONE

Sponsored uploads
Debian Maintainer
Collab-maint access
Alioth commit rights
`ssh alioth.debian.org`
Access to BTS
Access to mailing lists
Access to events
Blog on `planet.debian.org`



DEBIAN DEVELOPERS

Unrevised uploads
Vote rights
Delegated roles
Advocate new DDs
debian-private@l.d.o.
<name>@debian.org
`ssh *.debian.org`

USER



USER



≥ 1 contribution



USER

DEBIAN CONTRIBUTOR



≥ 1 contribution



USER

DEBIAN CONTRIBUTOR



≥ 1 contribution



≥ 1 package(s) maintained

≥ 1 advocacy

A signed GPG key

USER

DEBIAN CONTRIBUTOR

DEBIAN MAINTAINER



≥ 1 contribution



≥ 1 package(s) maintained

≥ 1 advocacy

A signed GPG key

USER

DEBIAN CONTRIBUTOR

DEBIAN MAINTAINER

≥ 1 contribution

≥ 1 package(s) maintained

≥ 1 advocacy

A signed GPG key

≥ 6 months

≥ 1 advocacy

New Member Process

USER

DEBIAN CONTRIBUTOR

DEBIAN MAINTAINER

DEBIAN DEVELOPER

≥ 1 contribution

≥ 1 package(s) maintained

≥ 1 advocacy

A signed GPG key

≥ 6 months

≥ 1 advocacy

New Member Process

THE NM PROCESS

(INSERT SCARY MUSIC HERE)

APPLICATION AND ADVOCATION



APPLICATION AND ADVOCATION FRONT DESK IDENTIFICATION



**APPLICATION AND ADVOCATION
FRONT DESK IDENTIFICATION
APPLICATION MANAGER APPOINTMENT**



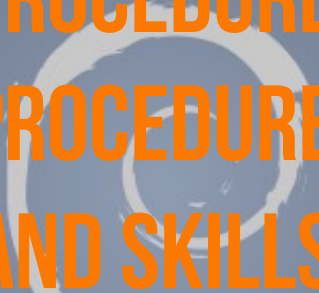
**APPLICATION AND ADVOCATION
FRONT DESK IDENTIFICATION
APPLICATION MANAGER APPOINTMENT
PHILOSOPHY AND PROCEDURES CHECK — PART 1**



APPLICATION AND ADVOCATION
FRONT DESK IDENTIFICATION
APPLICATION MANAGER APPOINTMENT
PHILOSOPHY AND PROCEDURES CHECK — PART 1
PHILOSOPHY AND PROCEDURES CHECK — PART 2



APPLICATION AND ADVOCATION
FRONT DESK IDENTIFICATION
APPLICATION MANAGER APPOINTMENT
PHILOSOPHY AND PROCEDURES CHECK — PART 1
PHILOSOPHY AND PROCEDURES CHECK — PART 2
TASKS AND SKILLS CHECK



APPLICATION AND ADVOCATION
FRONT DESK IDENTIFICATION
APPLICATION MANAGER APPOINTMENT
PHILOSOPHY AND PROCEDURES CHECK — PART 1
PHILOSOPHY AND PROCEDURES CHECK — PART 2
TASKS AND SKILLS CHECK
APPLICATION REPORT

APPLICATION AND ADVOCATION
FRONT DESK IDENTIFICATION
APPLICATION MANAGER APPOINTMENT
PHILOSOPHY AND PROCEDURES CHECK — PART 1
PHILOSOPHY AND PROCEDURES CHECK — PART 2
TASKS AND SKILLS CHECK
APPLICATION REPORT
FRONT DESK CHECK

APPLICATION AND ADVOCATION

FRONT DESK IDENTIFICATION

APPLICATION MANAGER APPOINTMENT

PHILOSOPHY AND PROCEDURES CHECK — PART 1

PHILOSOPHY AND PROCEDURES CHECK — PART 2

TASKS AND SKILLS CHECK

APPLICATION REPORT

FRONT DESK CHECK

DEBIAN ACCOUNT MANAGER APPROVAL *(YEEE!!!)*

APPLICATION AND ADVOCATION
FRONT DESK IDENTIFICATION
APPLICATION MANAGER APPOINTMENT
PHILOSOPHY AND PROCEDURES CHECK — PART 1
PHILOSOPHY AND PROCEDURES CHECK — PART 2
TASKS AND SKILLS CHECK
APPLICATION REPORT
FRONT DESK CHECK
DEBIAN ACCOUNT MANAGER APPROVAL *(YEEE!!!)*
ACCOUNT CREATION

THE FOUNDATION DOCUMENTS

Debian Constitution

Constitution for the Debian Project (v1.4)

Version 1.4 ratified on October 7th, 2007. Supersedes [Version 1.3](#) ratified on September 24th, 2006, [Version 1.2](#) ratified on October 29th, 2003 and [Version 1.1](#) ratified on June 21st, 2003, which itself supersedes [Version 1.0](#) ratified on December 2nd, 1998.

- 1. Introduction
- 2. Decision-making bodies and individuals
- 3. Individual Developers
- 4. The Developers by way of General Resolution or election
- 5. Project Leader
- 6. Technical committee
- 7. The Project Secretary
- 8. The Project Leader's Delegates
- 9. Assets held in trust for Debian
- A. Standard Resolution Procedure
- B. Use of language and typography

1. Introduction

The Debian Project is an association of individuals who have made common cause to create a free operating system.

This document describes the organisational structure for formal decision-making in the Project. It does not describe the goals of the Project or how it achieves them, or contain any policies except those directly related to the decision-making process.

2. Decision-making bodies and individuals

Each decision in the Project is made by one or more of the following:

[[previous](#)] [[Contents](#)] [[1](#)] [[2](#)] [[3](#)] [[4](#)] [[5](#)] [[6](#)] [[7](#)] [[8](#)] [[9](#)] [[10](#)] [[11](#)] [[12](#)] [[A](#)] [[B](#)] [[C](#)] [[D](#)] [[E](#)] [[F](#)] [[G](#)] [[next](#)]

Debian Policy Manual

Abstract

This manual describes the policy requirements for the Debian distribution. This includes the structure and contents of the Debian archive and several design issues of the operating system, as well as technical requirements that each package must satisfy to be included in the distribution.

Copyright Notice

Copyright © 1996,1997,1998 Ian Jackson and Christian Schwarz.

These are the copyright dates of the original Policy manual. Since then, this manual has been updated by many others. No comprehensive collection of copyright notices for subsequent work exists.

This manual is free software; you may redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version.

This is distributed in the hope that it will be useful, but *without any warranty*; without even the implied warranty of merchantability or fitness for a particular purpose. See the GNU General Public License for more details.

A copy of the GNU General Public License is available as `/usr/share/common-licenses/GPL` in the Debian distribution or on the World Wide Web at [the GNU General Public Licence](#). You can also obtain it by writing to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

Contents

- [1 About this manual](#)
 - [1.1 Scope](#)
 - [1.2 New versions of this document](#)
 - [1.3 Authors and Maintainers](#)
 - [1.4 Related documents](#)
 - [1.5 Definitions](#)
- [2 The Debian Archive](#)
 - [2.1 The Debian Free Software Guidelines](#)
 - [2.2 Archive areas](#)
 - [2.2.1 The main archive area](#)

Debian Social Contract

Version 1.1 ratified on April 26, 2004. Supersedes [Version 1.0](#) ratified on July 5, 1997.

Debian, the producers of the Debian system, have created the **Debian Social Contract**. The [Debian Free Software Guidelines \(DFSG\)](#) part of the contract, initially designed as a set of commitments that we agree to abide by, has been adopted by the free software community as the basis of the [Open Source Definition](#).

“Social Contract” with the Free Software Community

1. Debian will remain 100% free

We provide the guidelines that we use to determine if a work is “free” in the document entitled “*The Debian Free Software Guidelines*”. We promise that the Debian system and all its components will be free according to these guidelines. We will support people who create or use both free and non-free works on Debian. We will never make the system require the use of a non-free component.

2. We will give back to the free software community

When we write new components of the Debian system, we will license them in a manner consistent with the Debian Free Software Guidelines. We will make the best system we can, so that free works will be widely distributed and used. We will communicate things such as bug fixes, improvements and user requests to the “*upstream*” authors of works included in our system.

3. We will not hide problems

We will keep our entire bug report database open for public view at all times. Reports that people file online will promptly become visible to others.

4. Our priorities are our users and free software

We will be guided by the needs of our users and the free software community. We will place their interests first in our priorities. We will support the needs

The Debian Free Software Guidelines (DFSG)

1. Free Redistribution

The license of a Debian component may not restrict any party from selling or giving away the software as a component of an aggregate software distribution containing programs from several different sources. The license may not require a royalty or other fee for such sale.

2. Source Code

The program must include source code, and must allow distribution in source code as well as compiled form.

3. Derived Works

The license must allow modifications and derived works, and must allow them to be distributed under the same terms as the license of the original software.

4. Integrity of The Author's Source Code

The license may restrict source-code from being distributed in modified form **only** if the license allows the distribution of “*patch files*” with the source code for the purpose of modifying the program at build time. The license must explicitly permit distribution of software built from modified source code. The license may require derived works to carry a different name or version number from the original software. *(This is a compromise. The Debian group encourages all authors not to restrict any files, source or binary, from being modified.)*

5. No Discrimination Against Persons or Groups

The license must not discriminate against any person or group of persons.

6. No Discrimination Against Fields of Endeavor

The license must not restrict anyone from making use of the program in a specific field of endeavor. For example, it may not restrict the program from being used in a business, or from being used for genetic research.

7. Distribution of License

The rights to distribute the program must be unconditional, and the license must be distributed with the program. The license must be a condition of any distribution of the program.

DFSG

#1: FREE REDISTRIBUTION



#1: FREE REDISTRIBUTION

#2: THE PROGRAM MUST INCLUDE SOURCE CODE



#1: FREE REDISTRIBUTION

#2: THE PROGRAM MUST INCLUDE SOURCE CODE

#3: THE LICENSE MUST ALLOW DERIVED WORKS



#1: FREE REDISTRIBUTION

#2: THE PROGRAM MUST INCLUDE SOURCE CODE

#3: THE LICENSE MUST ALLOW DERIVED WORKS

#5: NO DISCRIMINATION AGAINST PERSONS OR GROUPS

#1: FREE REDISTRIBUTION

#2: THE PROGRAM MUST INCLUDE SOURCE CODE

#3: THE LICENSE MUST ALLOW DERIVED WORKS

#5: NO DISCRIMINATION AGAINST PERSONS OR GROUPS

#6: NO DISCRIMINATION AGAINST FIELDS OF ENDEAVOR



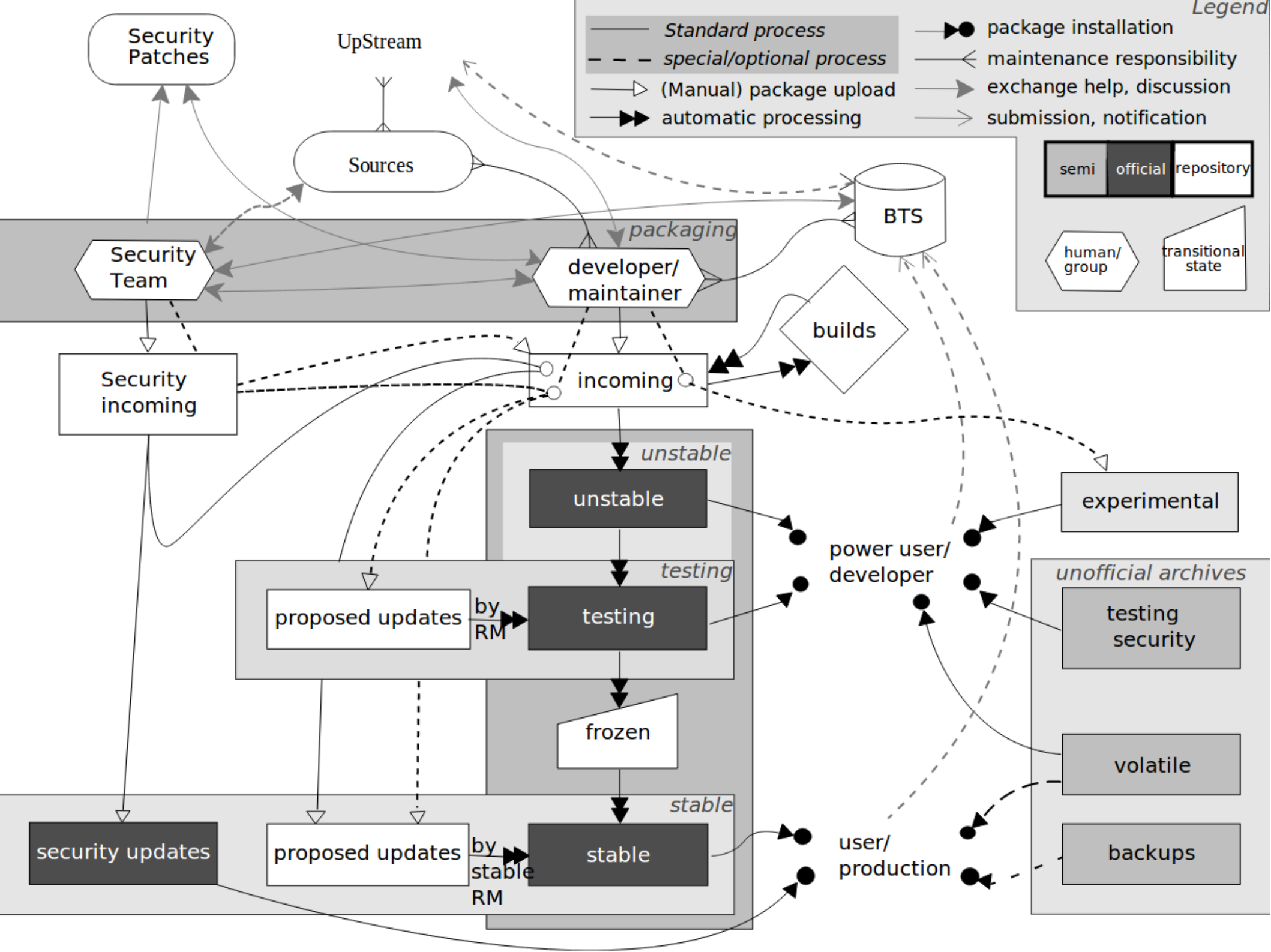
DFSG-FREE

or

NON DFSG-FREE?

DEBIAN DEVELOPMENT

(TRAILER ONLY)



UPSTREAM

UPSTREAM

dh-make

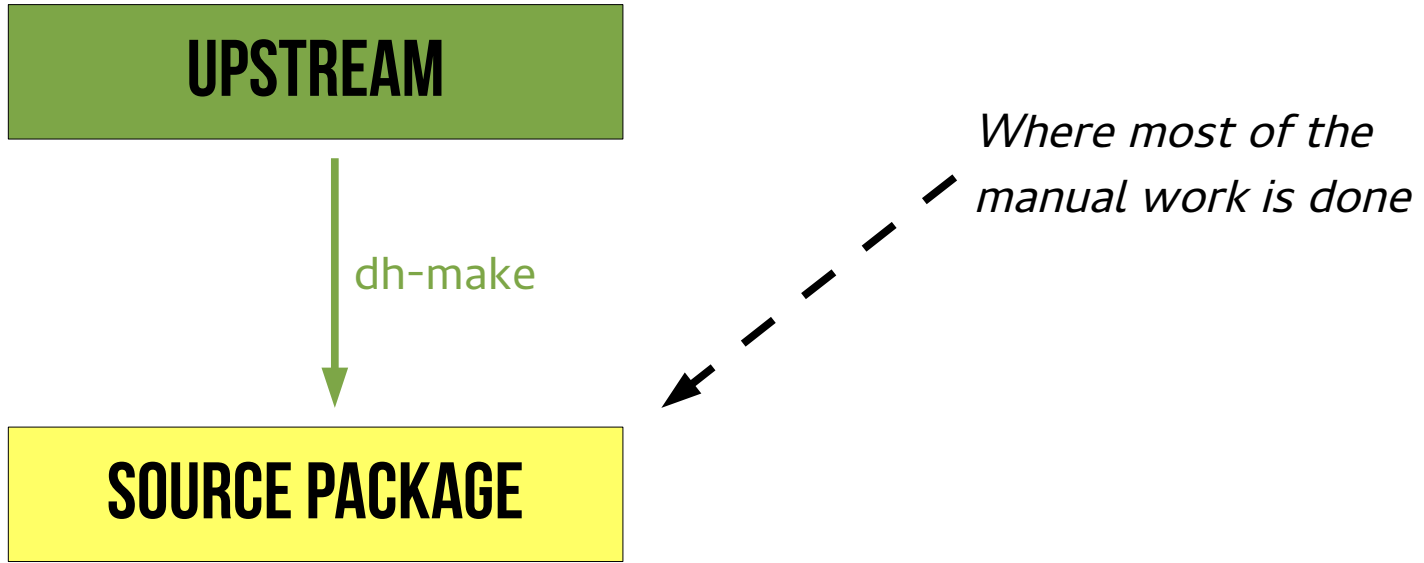
SOURCE PACKAGE

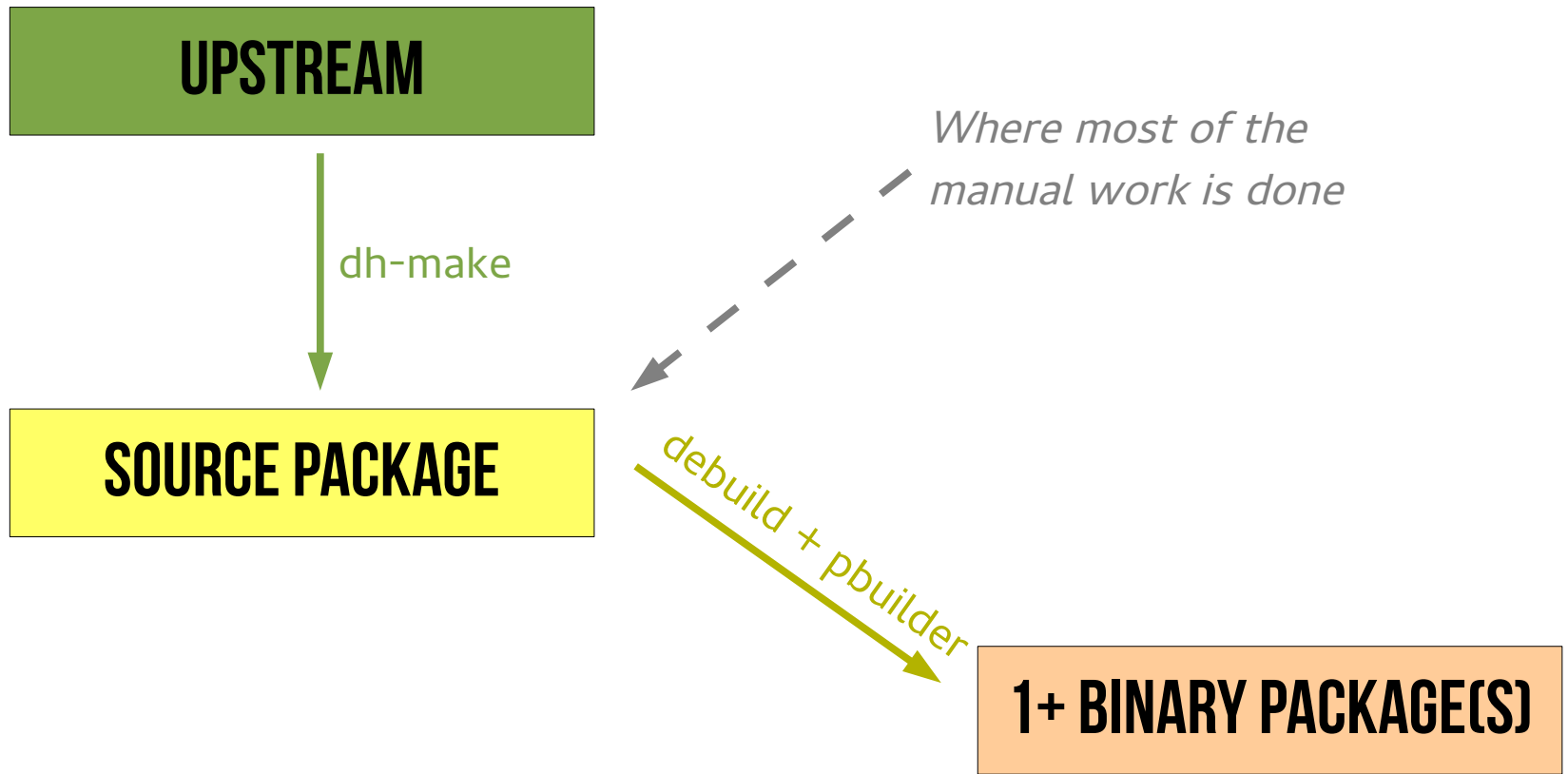
UPSTREAM

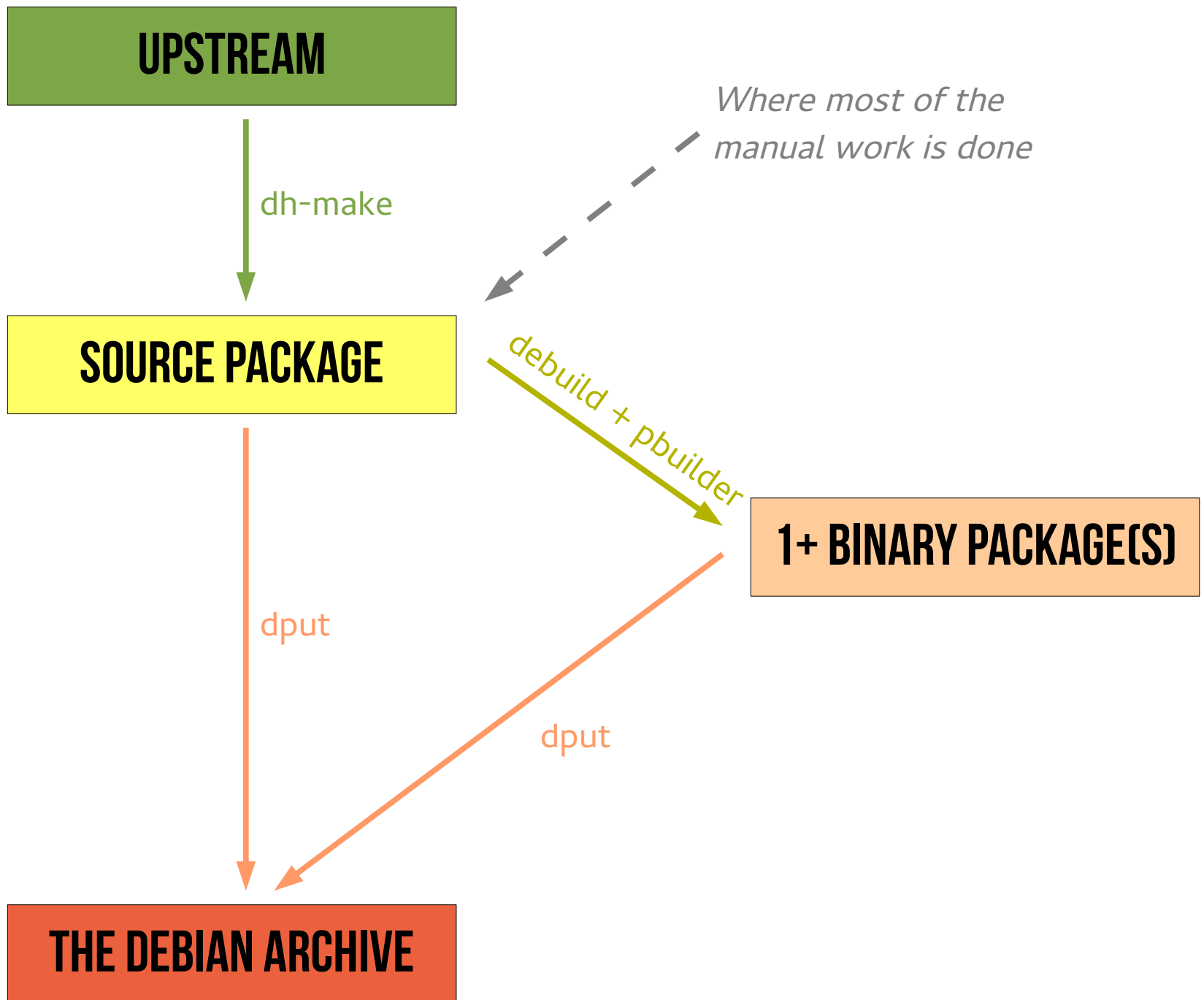
dh-make

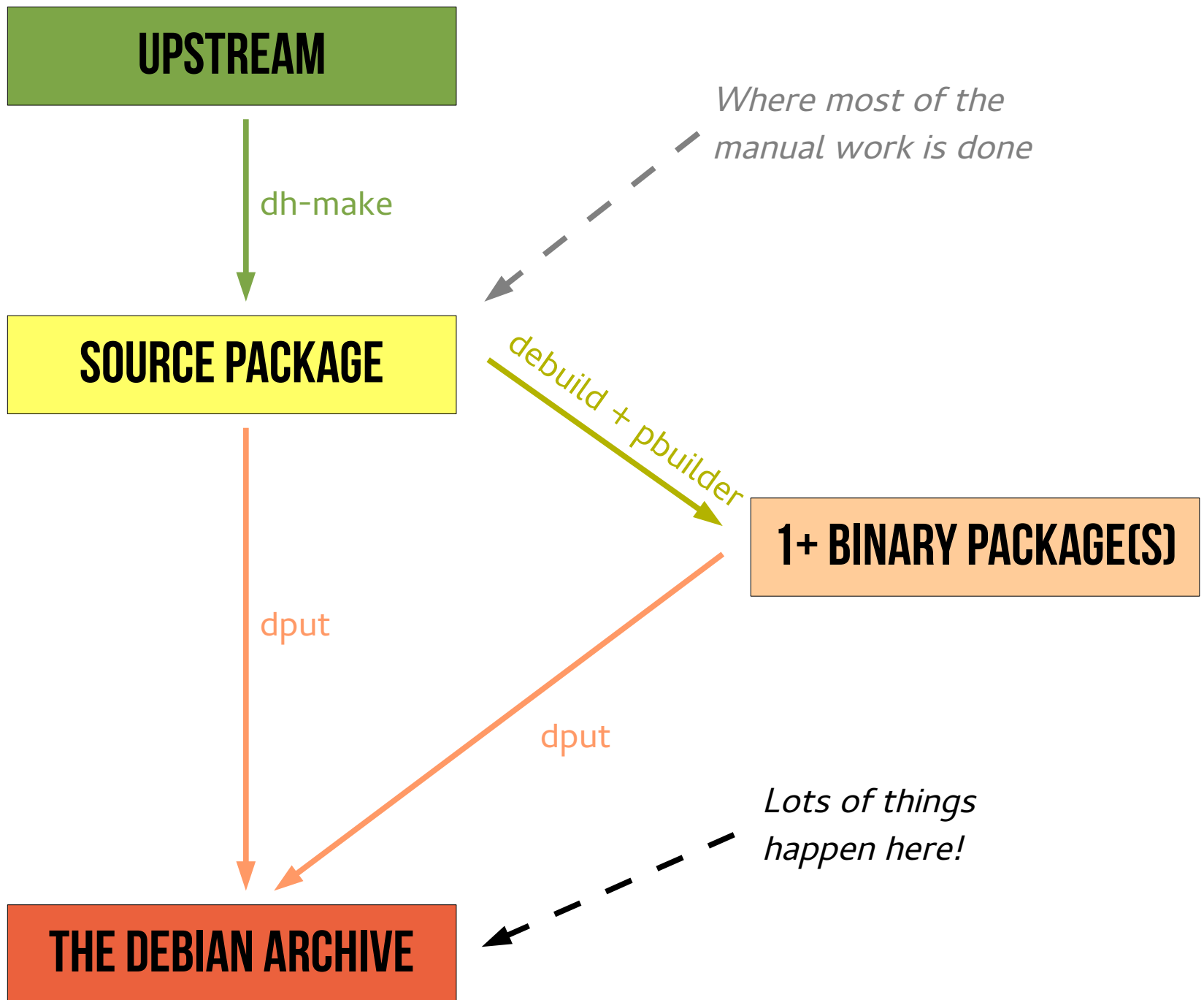
SOURCE PACKAGE

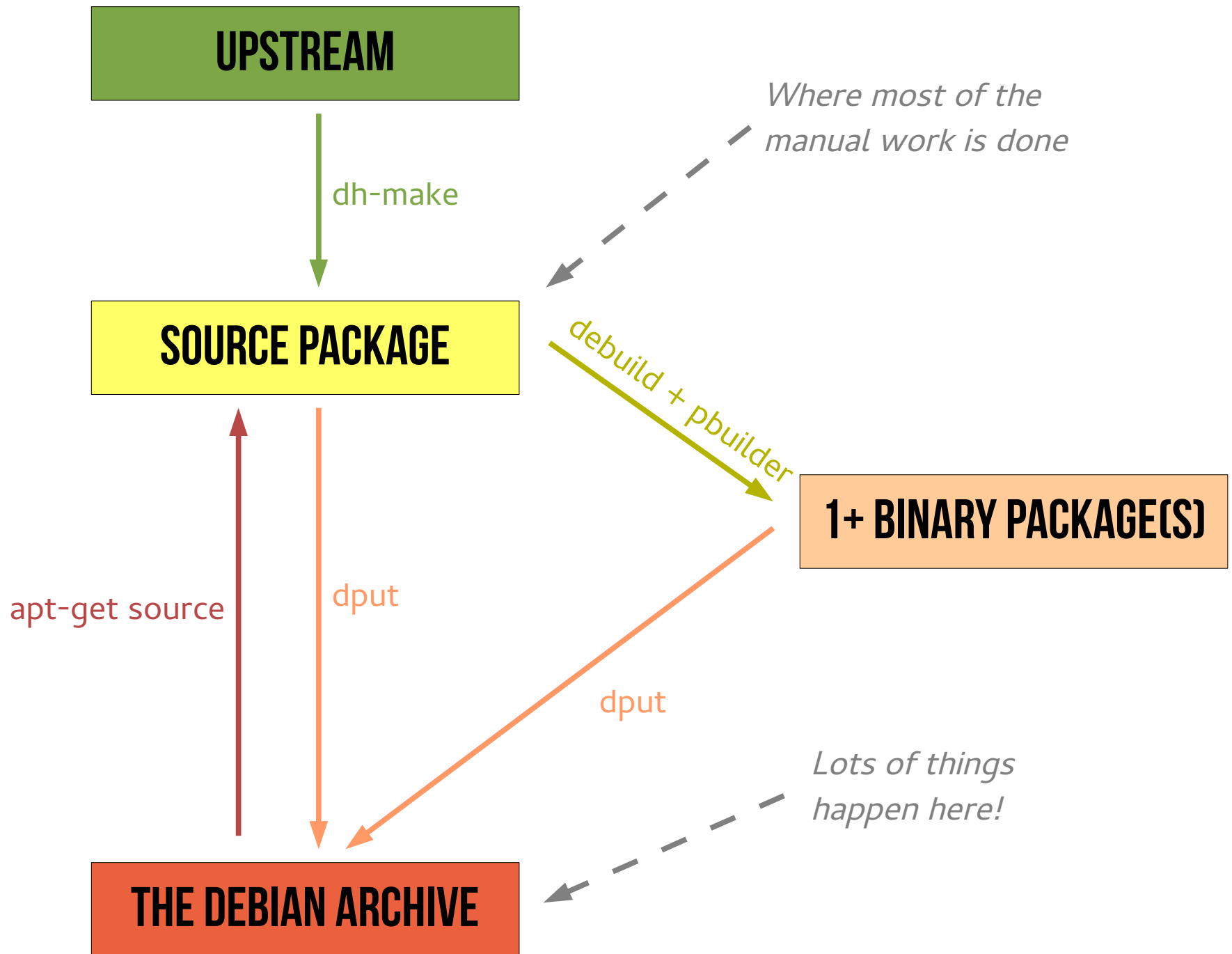
*Where most of the
manual work is done*













ANDREA COLANGELO

@andreacolangelo

warp10@debian.org

andreacolangelo.com