Debian Derivatives

Presentation/BoF

DebConf 16, Cape Town
Debian Derivatives

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Collabora supplies Consulting services
Agenda

• Why Debian?
• Why not Debian? Why a derivative?
• What can we do in Debian to make derivative's life easier?
• What can derivatives do to help improve Debian?

• New derivatives
• Presenting your derivative
• Idea of a reference derivative
Why Debian?

- Strong QA on packages
- Easy to add overlay repositories
- Derivative are supported by Debian community
- Strong community
- Licenses validated
- Multiple architectures supported
- Consistency among the whole archive
Why not Debian? Why a Derivative?

- Software not suitable for Debian main (licensing)
- Web apps with missing dependencies not in Debian
- Dropping some architectures, or achieving new ones
- Release cycle may not be adequate
- Contributing directly upstream
- Debian default configuration not suitable for derivative target users
What can we do in Debian to make derivative's life easier?

- Coordinated uploads or declare release version
- Reproducible builds
- Trademark issues
- Testing builds (backports)
- Notify derivatives about package removals
- Improve testing suite (by not breaking it)
- Improve Debian derivatives wiki
What can we do in Debian to make derivative's life easier? (II)

- Make Debian infrastructure work for derivatives
- Include Derivative changes not suitable for Debian in a conditional
What can derivatives do to help improve Debian?

- Register in Debian Derivative Census
- Keep census information up to date
- Send patches to Debian BTS
- Send new packages (to mentors)
- Come to DebConf
- Be active on mailing lists
New derivatives

Apertis
BunsenLabs Linux
Parrot Security
Freeduc
Endless
Clonezilla
Armbian
Emmabuntüs Debian Edition

PrimTux
OpenNetLinux
VyOS
LiMux
Huayra
GreenboneOS
Lernstick
Proxmox VE
hLinux
Present your derivative

Involved in Debian derivatives:

- Collabora
- Apertis
- SteamOS
- Endless
Derivatives of Derivatives?

You bet.

Debian → SteamOS → Stephenson’s Rocket → VaporOS

Constructive open discussions with Valve

Some changes/patches included in SteamOS
Present your derivative
Idea of a reference derivative

developers

wanna-build

incoming queue

package repository

CD/DVD/ISO image

build daemons

users
Idea of a reference derivative

Sources
Branding/Customize
Build
Binary archives
Images/Installer
QA
Profit

GIT (DEP-14)

Many options
reprepro
Many options
debci, LAVA, ...

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Thanks all!

Q&A