

Debian

The Universal Operating System

Debian Social Contract (1997,2004)

“Social Contract” with the Free Software Community

1. Debian will remain 100% free
2. We will give back to the free software community
3. We will not hide problems
4. Our priorities are our users and free software
5. Works that do not meet our free software standards

https://www.debian.org/social_contract

Debian Free Software Guidelines

1. Free Redistribution
2. Source Code
3. Derived Works
4. Integrity of the Author's Source Code
5. No Discrimination Against Persons or Groups
6. No Discrimination Against Fields or Endeavors
7. Distribution of License
8. License Must Not Be Specific to Debian
9. License Must Not Contaminate Other Software
10. Example Licenses: GPL, BSD, and Artistic licenses

Debian Code of Conduct

1. Be respectful
2. Assume good faith
3. Be collaborative
4. Try to be concise
5. Be open
6. In case of problem:
 - a. Politely mention the Code of Conduct

History

Announce: August 16 1993

Release: September 15th 1993

73 Languages

First Global Mirrors

First Anycasting Mirror System cdn.debian.net

Multi Kernel

Multi Platform (13 Official and 11 Unofficial)

Talking Points for Today

Easy to Install

48,610+ Packages

Upstream

Strict Policies

Light and Heavy installs alike

Adoption

Easy to Install, quick demo

Netinst with actual mirrors over wifi. Note that unlike some other Enterprise solutions updates are installed during the install not later.

Too Many Packages

While the default repos are limited to FOSS only the additional repos contain immense amounts of packages.

Upstream - What is that?

Debian host a huge amount of software for itself and others on <https://alioth.debian.org/> which is a forge style site like SourceForge. The site, projects, issues, code and related content are the source or origin for many projects.

Upstream == Origin

Strict Policies

Not harsh, just complete

<https://www.debian.org/doc/debian-policy/>

Lightweight or Heavyweight

From the same installer (Bad Ubuntu, bad)

Minimal requirements for server, 64MB ram

Minimal requirements for desktop, 128MB ram

Raspberry Pi to IBM Mainframe

Supportable across more hardware than other distros.

kFreebsd or Hurd if you like.

Fun Things

Releases named after Toy Story characters

98%+ support for 73 Languages

Bruce Perens was a Debian Project Leader

“Open Source” defined via Debian guidelines

First formation of a project based community

The project includes a book!

Google defaults to Debian on GCE.

Why might I switch to Debian?

Stability

Hardware support

Platform support (Raspbian)

Package selection

The cool kids use it

Rolling Releases (Prior laptop ~5 years)

Why might I not switch to Debian?

Long release cycle (Just use SID)

Vendor does not support it (cPanel)

ME!

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