

Debian: The Universal Operating System



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What is Debian?

When did it start?

Who makes it?

Why Debian?

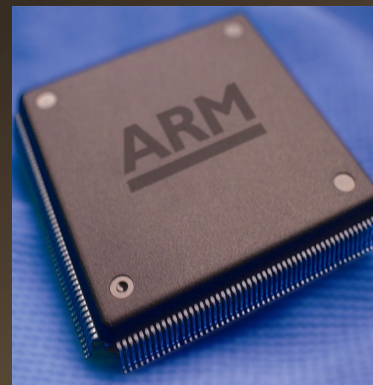
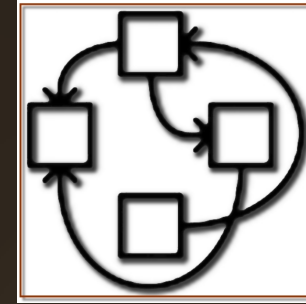
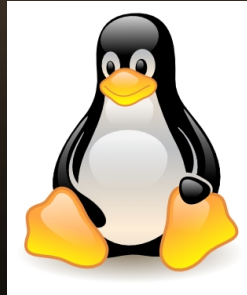
"release when it is ready"

What?



A Free Operating System
Developed by Volunteers
Constitutional "do-ocracy"
No outside influence

The Universal Operating System



12 Supported Architectures
29243 Supported Packages
120 derivative distributions
Many Kernels

Linux, GNU Hurd, kFreeBSD, kNetBSD

Alpha

AMD64

ARM

EABI ARM

HP PA-RISC

Intel x86

Intel IA-64

MIPS (big endian)

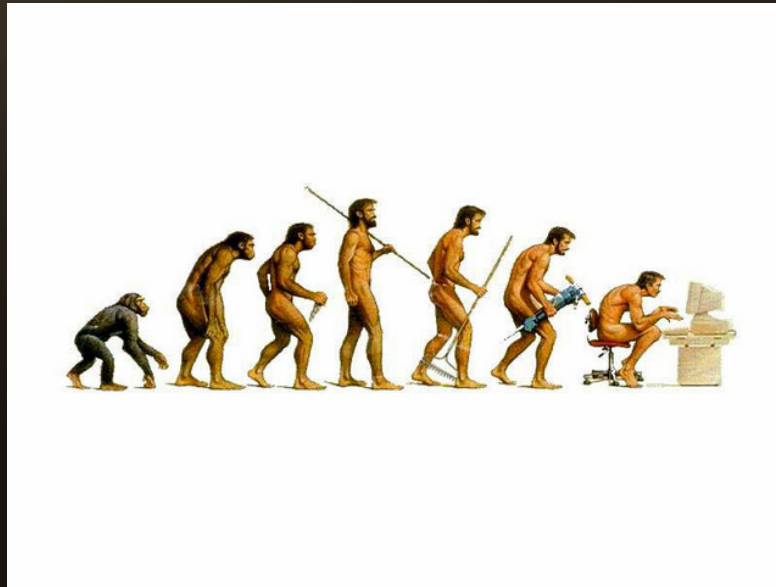
MIPS (little endian)

PowerPC

IBM S/390

SPARC

When?



August 16th, 1993

11 major releases

February 14th, 2009 – 5.0 aka lenny

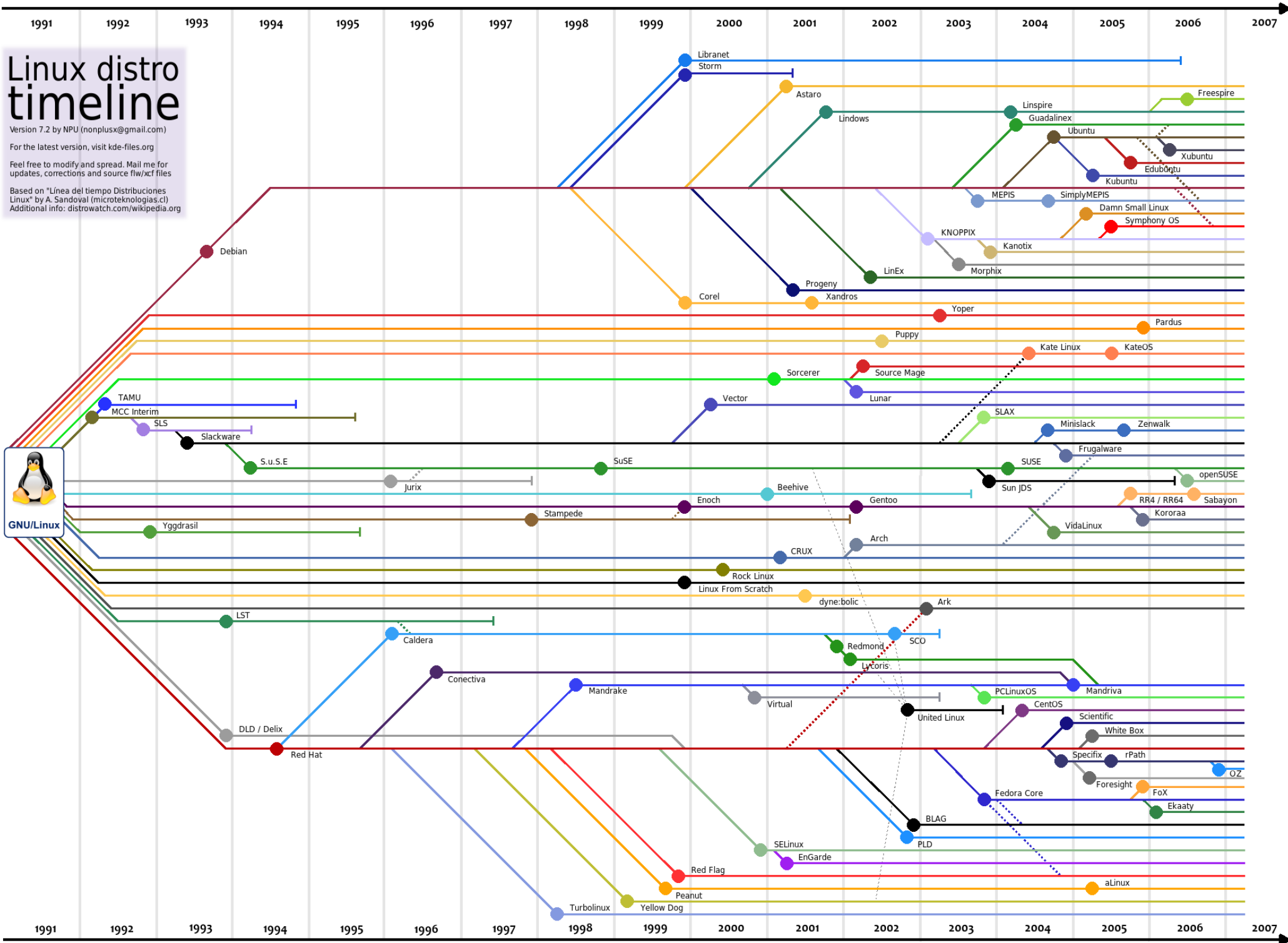
Linux distro timeline

Version 7.2 by NPU (nonplusx@gmail.com)

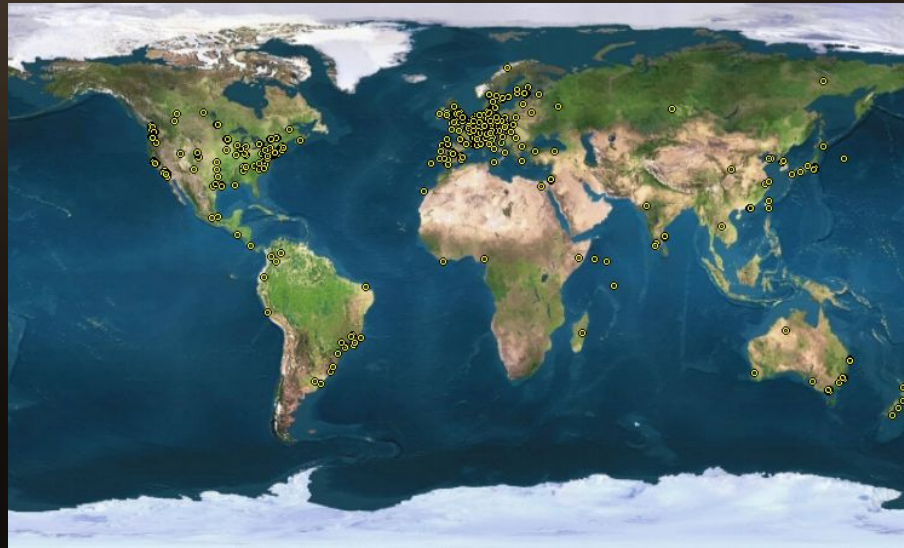
For the latest version, visit kde-files.org

Feel free to modify and spread. Mail me for updates, corrections and source flw/xcf files

Based on "Línea del tiempo Distribuciones Linux" by A. Sandoval (microtecnologias.cl)
Additional info: distrowatch.com/wikipedia.org



Who?



About 120 "Debian maintainers"

Many contributors, including
Translators, Documentation Writers, Designers
And Webmasters



FREEDOM IS
IN PERIL
DEFEND IT
WITH ALL
YOUR MIGHT

Why?

Freedom and independence

- Pushed the concept of free software more strongly
- Users are more aware of freedom-related issues
- Free software from the bottom to the top
 - even down to the firmware
- No non-free web services
 - Either for users or for developers



Social Contract



A promise

"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 - although non-free works are not a part of Debian, we support their use and provide infrastructure for non-free packages (such as our bug tracking system and mailing lists).

DFSG



Debian Free Software Guidelines

The Debian Free Software Guidelines (DFSG)

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 of Endeavor
7. Distribution of License
8. License Must Not Be Specific to Debian
9. License Must Not Contaminate Other Software
10. Example Licenses - The "GPL", "BSD", and "Artistic" licenses are examples of licenses that we consider "free".

Multimedia



Plays major audio and video files out of the box
Including mp3, wma, mp4, wmv

Releases



Stable
Testing
Unstable

Unstable



Entry point

Always changing

Testing



Basic checks passed

Stable



Snapshot of testing
No critical bugs
All release criteria met

Sections



main

contrib

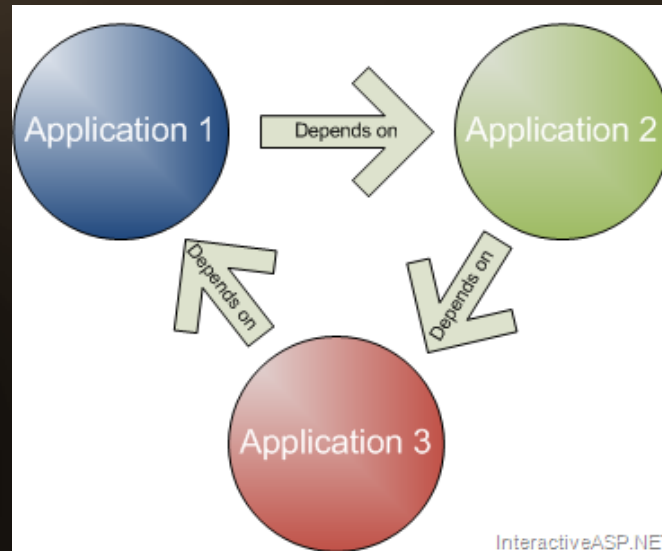
non-free



main

DFSG passed

contrib



Depends on non-free

non-free



Not part of debian

Constitution



How Debian project is run?

membership



Debian Developer (DD)

Debian Maintainer (DM)

Contributors

teams



Debian installer
Release team
Packaging Teams
System Administrators
ftp masters
webmasters
publicity

Project Leader



Stefano Zacchiroli

Elected every year

partners



Relation with other organizations

<http://www.debian.org/partners>

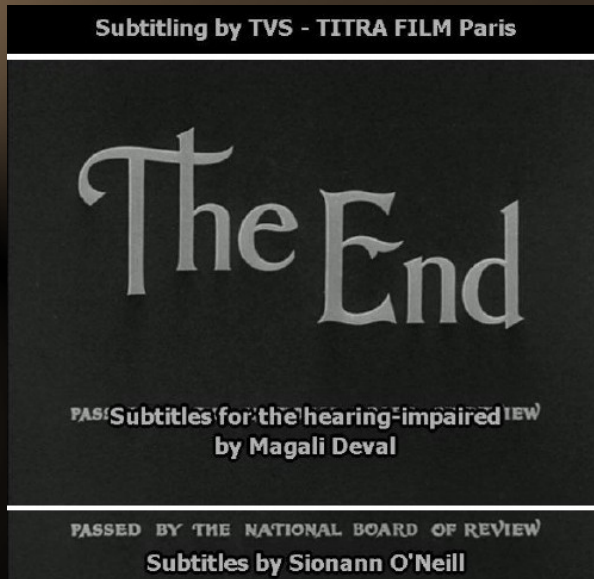
Software in the Public Interest



Legal entity

Includes other projects like,
Drupal, PostgreSQL, freedesktop.org etc

Credits



So many people on the internet for all the images

LWN - <http://lwn.net/Articles/391562/>