

debian 101



samuel henrique <samueloph>
10/2018

samuel henrique

- Debian Developer (DD)
- pkg-security
- mtr, aircrack-ng, anarchism, nmap...
- metasploit?
- ArchLinux

- samueloph@debian.org

o sistema operacional universal

- estabilidade
- praticidade
- liberdade
- mantido pela comunidade
- amplo suporte
- roda na EEI (ISS), roda na sua torradeira

the (toy) story



Ian Murdock (1973 – 2015)

ops!

- 0.01 até 0.90 (agosto-dezembro 1993)
- 0.93R5 (março 1995)
- 0.93R6 (novembro 1995)
- 1.0 (dezembro 1995) – InfoMagic FAIL!
- 1.1 Buzz (17 Junho 1996)

LINUX Developer's Resource CD-ROM

This 5 CD set Includes a "QuickStart" Install Guide and the following distributions:

- Slackware 3.0 (ELF release) (installs kernel 1.2.13 or 1.3.20)
- Red Hat 2.1 (ELF release) (installs kernel 1.2.13)
- Debian 1.0 (installs kernel 1.2.13)
- JE Distribution and JF (Japanese FAQ's)
- Kernel sources up to 1.2.13 & 1.3.42
- XFree86 Version 3.1.2 (X-Windows)
- Linux archives from tsx-11.mit.edu and sunsite.unc.edu
- GNU archive from prep.ai.mit.edu
- Complete on-line docs & HOWTO's (Installation Guide and Networking Guide)
- Commercial Demos include: BRU, Cockpit, dBMan, Flagship, GP Modula-2, Smartware, Pathfinder

On-line documentation includes the "Installation & Getting Started Guide" by Matt Welsh and the "Network Administrators Guide." Complete HOWTO docs on-line formatted for use with an included MicroSoft Windows Browser. All docs also provided in DOS & Postscript versions for printing.

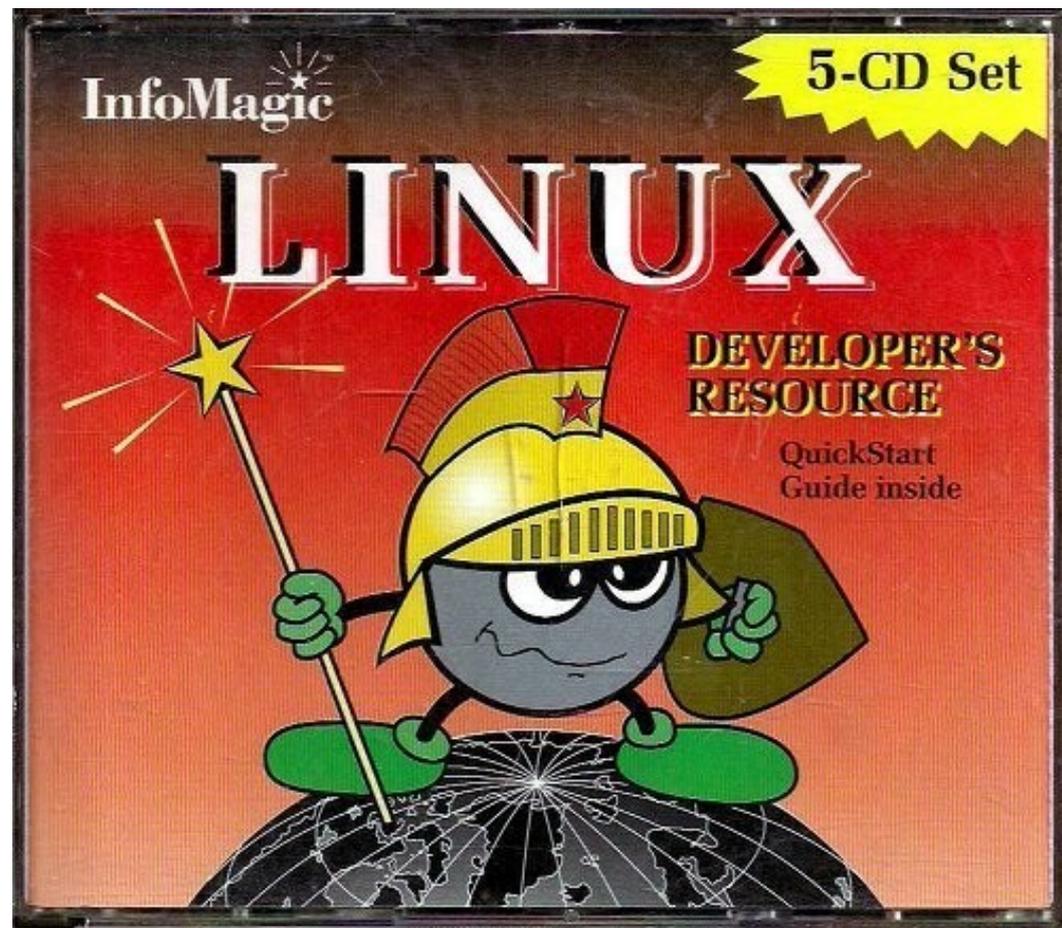
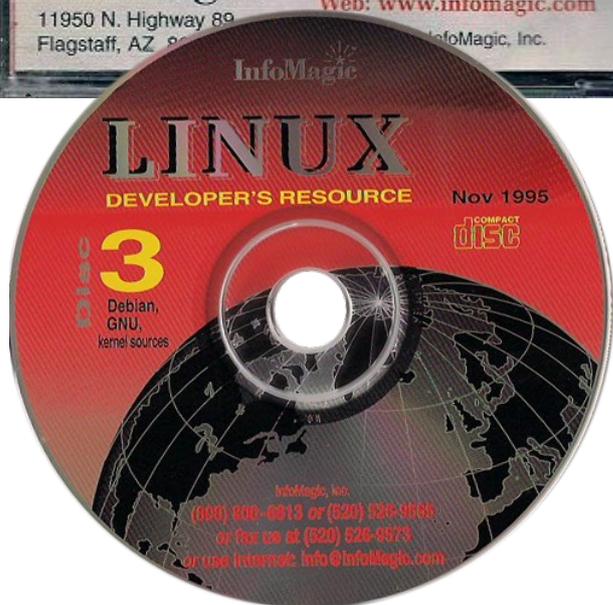
Complete LIVE filesystem! (uncompressed executables with matching compressed sources) All packages & utilities can be run directly from the CD (except for X-Windows). Slackware can be installed directly from the CD.

These discs are mastered in ISO-9660 format with Rock Ridge extensions to preserve the long mixed case filenames and deeply nested directory structure. An alias file is provided in each directory for systems that do not support the Rock Ridge extensions.

InfoMagic

11950 N. Highway 89
Flagstaff, AZ 86001

Tel: +1-520-526-9565
Fax: +1-520-526-9573
Internet: info@infomagic.com
Web: www.infomagic.com

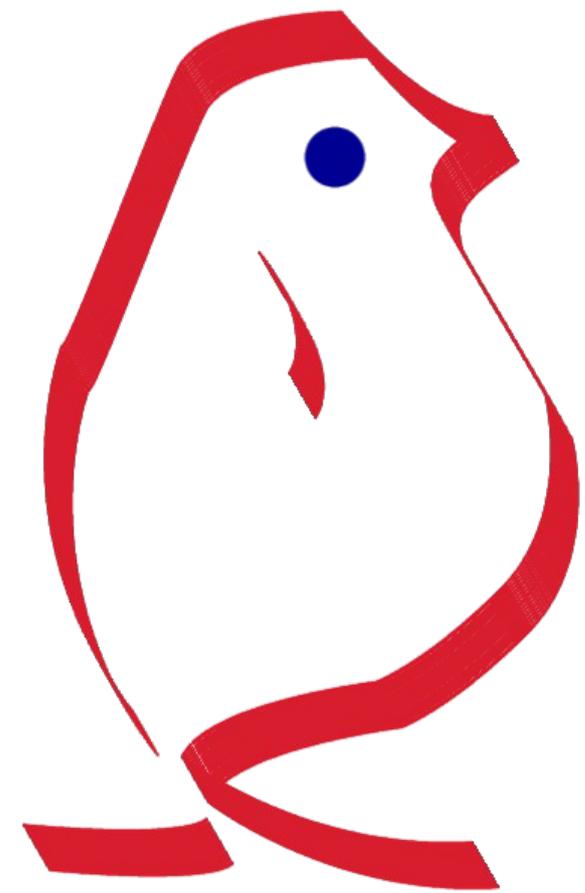


<http://profs.if.uff.br/tjpp/blog/entradas/debian-1.0-eu-tenho-a-distribuicao-que-nunca-existiu>

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10/2018



1994 – novembro 1997



novembro 1997 – maio 1999

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10/2018



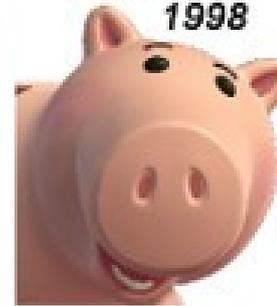
Buzz 1.1
1996



Rex 1.2
1996



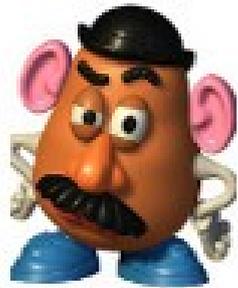
Bo 1.3
1997



Hamm 2.0
1998



Slink 2.1
1999



Potato 2.2
2000



Woody 3.0
2002



Sarge 3.1
2005



Etch 4.0
2007



Lenny 5.0
2009



Squeeze 6.0
2011



Wheezy 7.0
2013



Jessie 8.0
2015

Stretch 9.0
2017?



Buster 10.0
2019?

nosso contrato social (Debian Social Contract)

1. o debian permanecerá 100% livre
2. nós iremos retribuir à comunidade de software livre
3. nós não esconderemos problemas
4. nossas prioridades são nossos usuários e o software livre
5. programas que não atendem nossos padrões de software livre

+ Debian Free Software Guidelines (DFSG)

DFSG (desde 1997)

- redistribuição livre
- código fonte
- trabalhos derivados
- integridade do código fonte do autor
- não à discriminação contra pessoas ou grupos
- não à discriminação contra fins de utilização
- distribuição de licença
- a licença não pode ser específica para o debian
- a licença não deve contaminar outros softwares
- licenças exemplo: GPL e BSD

componentes

- habilitados via sources.list:
 - main – DFSG. Único componente oficial e padrão
 - contrib – DFSG + dependências não-DFSG
 - non-free – não-DFSG
-
- Free Software Foundation (FSF) considera contrib e non-free

Package(s): Suite: Compact mode Co-maintainers

Architecture	Version	Status	For	Buildid	State	Section	Logs
 all	1:1.4-3	Installed	15d 1h 27m	x86-bm-01		net	old all (1)
 amd64	1:1.4-3	Installed	15d 1h 29m	x86-ubc-01		net	old all (1)
 arm64	1:1.4-3	Installed	15d 1h 29m	arm-conova-01		net	old all (1)
 armel	1:1.4-3	Installed	14d 16h 44m	antheil		net	old all (1)
 armhf	1:1.4-3	Installed	14d 14h 45m	hoiby		net	old all (1)
 i386	1:1.4-3	Installed	15d 1h 29m	x86-ubc-01		net	old all (1)
 mips	1:1.4-3	Installed	14d 23h 56m	mips-aql-02		net	old all (1)
 mips64el	1:1.4-3	Installed	14d 11h 25m	mipsel-aql-03		net	old all (1)
 mipsel	1:1.4-3	Installed	13d 23h 57m	mipsel-aql-02		net	old all (1)
 ppc64el	1:1.4-3	Installed	15d 1h 30m	ppc64el-unicamp-01		net	old all (1)
 s390x	1:1.4-3	Installed	15d 1h 29m	zani		net	old all (1)
 alpha	1:1.4-3	Installed	13d 10h 34m	electro		net	old all (1)
 hppa	1:1.4-3	Installed	13d 22h 14m	phantom		net	old all (1)
 hurd-i386 ↓	1:1.4-3	Failed	14d 23h 38m	ironforge	out-of-date	net	old all (1)
 ia64	1:1.4-3	Installed	13d 8h 33m	titanium2		net	old all (1)
 kfreebsd-amd64 ↓	1:1.4-3	Build-Attempted	10d 2h 12m	kamp	out-of-date	net	old all (1)
 kfreebsd-i386 ↓	1:1.4-3	Build-Attempted	13d 2h 26m	kamp	out-of-date	net	old all (1)
 m68k	1:1.4-3	Installed	14d 12m	vs91		net	old all (1)
 powerpc ↓	1:1.4-3	Build-Attempted	13d 7h 48m	kapitsa2	out-of-date	net	old all (1)
 powerpcspe	1:1.4-3	Installed	13d 15h 29m	pathfinder		net	old all (1)
 ppc64 ↓	1:1.4-3	Build-Attempted	5d 21h 12m	kapitsa	out-of-date	net	old all (2)
 riscv64	1:1.4-3	Installed	15d 1h 22m	rv-mit-04		net	old all (1)
 sh4	1:1.4-3	Installed	13d 23h 11m	vs96		net	old all (1)
 sparc64	1:1.4-3	Installed	13d 22h 48m	nvg5120		net	old all (1)
 x32	1:1.4-3	Installed	15d 1h 48m	x32-do-01		net	old all (1)

<https://buildid.debian.org/>samuel henrique <samueloph>
10/2018

10 arquiteturas oficiais

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 armel	1:1.4-3	Installed	14d 16h 44m	antheil		net	old all (1)
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 mips64el	1:1.4-3	Installed	14d 11h 25m	mipsel-aql-03		net	old all (1)
 mipsel	1:1.4-3	Installed	13d 23h 57m	mipsel-aql-02		net	old all (1)
 ppc64el	1:1.4-3	Installed	15d 1h 30m	ppc64el-unicamp-01		net	old all (1)
 s390x	1:1.4-3	Installed	15d 1h 29m	zani		net	old all (1)

e 14 não-oficiais

 alpha	1:1.4-3	Installed	13d 10h 34m	electro		net	old all (1)
 hppa	1:1.4-3	Installed	13d 22h 14m	phantom		net	old all (1)
 hurd-i386 ↓	1:1.4-3	Failed	14d 23h 38m	ironforge	out-of-date	net	old all (1)
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 kfreebsd-amd64 ↓	1:1.4-3	Build-Attempted	10d 2h 12m	kamp	out-of-date	net	old all (1)
 kfreebsd-i386 ↓	1:1.4-3	Build-Attempted	13d 2h 26m	kamp	out-of-date	net	old all (1)
 m68k	1:1.4-3	Installed	14d 12m	vs91		net	old all (1)
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 powerpcspe	1:1.4-3	Installed	13d 15h 29m	pathfinder		net	old all (1)
 ppc64 ↓	1:1.4-3	Build-Attempted	5d 21h 12m	kapitsa	out-of-date	net	old all (2)
 riscv64	1:1.4-3	Installed	15d 1h 22m	rv-mit-04		net	old all (1)
 sh4	1:1.4-3	Installed	13d 23h 11m	vs96		net	old all (1)
 sparc64	1:1.4-3	Installed	13d 22h 48m	nvg5120		net	old all (1)
 x32	1:1.4-3	Installed	15d 1h 48m	x32-do-01		net	old all (1)

Failing reason for [aircrack-ng](#) on [hurd-i386](#):

```
> common.c:660:14: error: 'PATH_MAX' undeclared (first use in this function); did you mean 'NAME_MAX'?
```

Tail of log for [aircrack-ng](#) on [hurd-i386](#):

```
^~~~~~
NAME_MAX
common.c:660:14: note: each undeclared identifier is reported only once for each function it appears in
Makefile:693: recipe for target 'libaircrack_util_la-common.lo' failed
make[3]: *** [libaircrack_util_la-common.lo] Error 1
make[3]: Leaving directory '/<<PKGBUILDDIR>>/src/aircrack-util'
Makefile:1976: recipe for target 'all-recursive' failed
make[2]: *** [all-recursive] Error 1
make[2]: Leaving directory '/<<PKGBUILDDIR>>/src'
Makefile:585: recipe for target 'all-recursive' failed
make[1]: *** [all-recursive] Error 1
make[1]: Leaving directory '/<<PKGBUILDDIR>>'
dh_auto_build: make -j1 returned exit code 2
debian/rules:6: recipe for target 'build-arch' failed
make: *** [build-arch] Error 2
```

Tail of log for [aircrack-ng](#) on [kfreebsd-amd64](#):

```
Makefile:1109: recipe for target 'check-TESTS' failed
make[4]: *** [check-TESTS] Error 2
make[4]: Leaving directory '/<<PKGBUILDDIR>>/test'
Makefile:1378: recipe for target 'check-am' failed
make[3]: *** [check-am] Error 2
make[3]: Leaving directory '/<<PKGBUILDDIR>>/test'
Makefile:896: recipe for target 'check-recursive' failed
make[2]: *** [check-recursive] Error 1
make[2]: Leaving directory '/<<PKGBUILDDIR>>/test'
Makefile:585: recipe for target 'check-recursive' failed
make[1]: *** [check-recursive] Error 1
make[1]: Leaving directory '/<<PKGBUILDDIR>>'
dh_auto_test: make -j2 check VERBOSE=1 returned exit code 2
debian/rules:6: recipe for target 'build-arch' failed
make: *** [build-arch] Error 2
```

3 releases ativas o tempo todo*

Stable
Stretch
9.0
2017

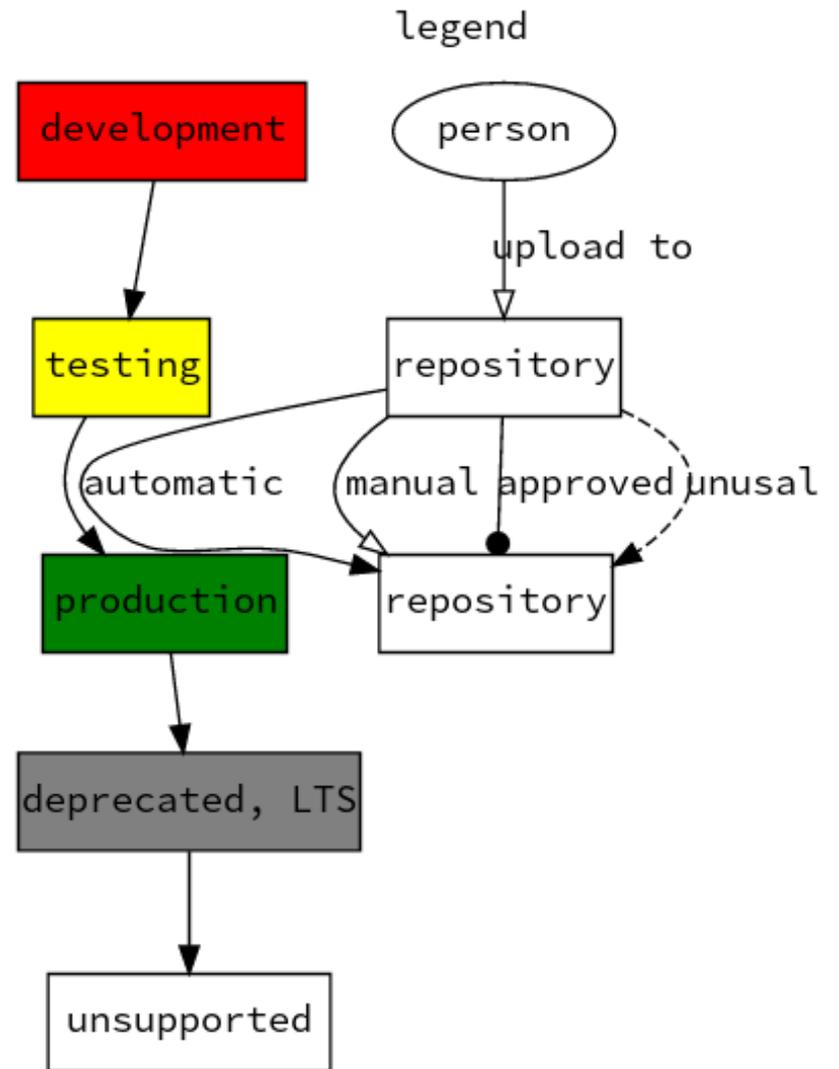
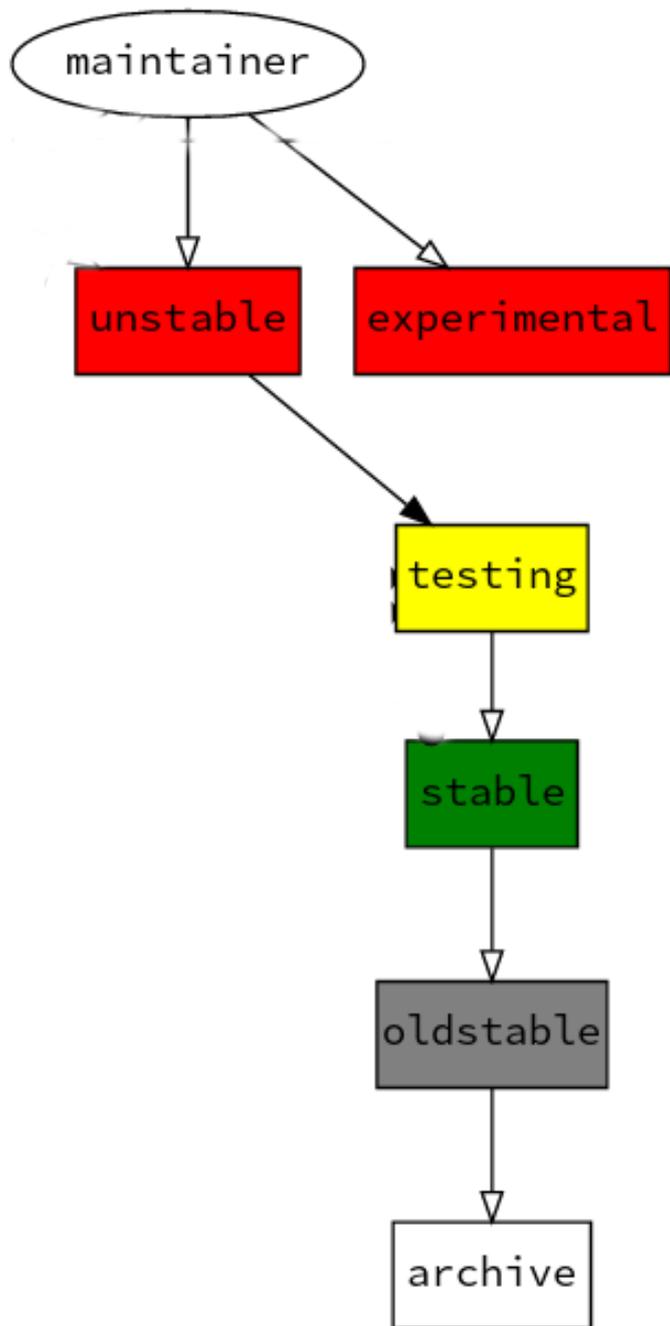
Testing
Buster
10.0
2019?

Unstable
sid
Bullseye



* + oldstable, oldoldstable (lts)

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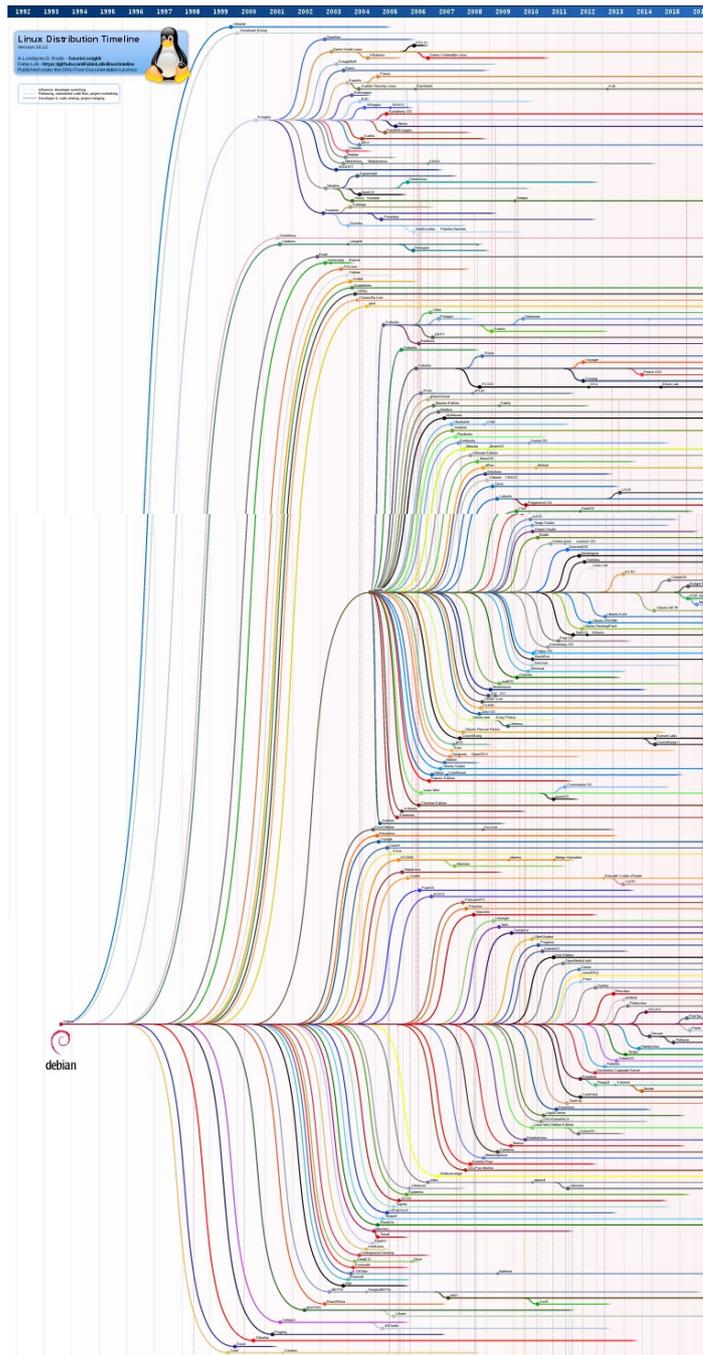


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Image courtesy of Michael Larabel, from phoronix.com

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obrigado!

-



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