

*BSD

Thomas de Grivel thoxdg@gmail.com

<http://kmx.io>

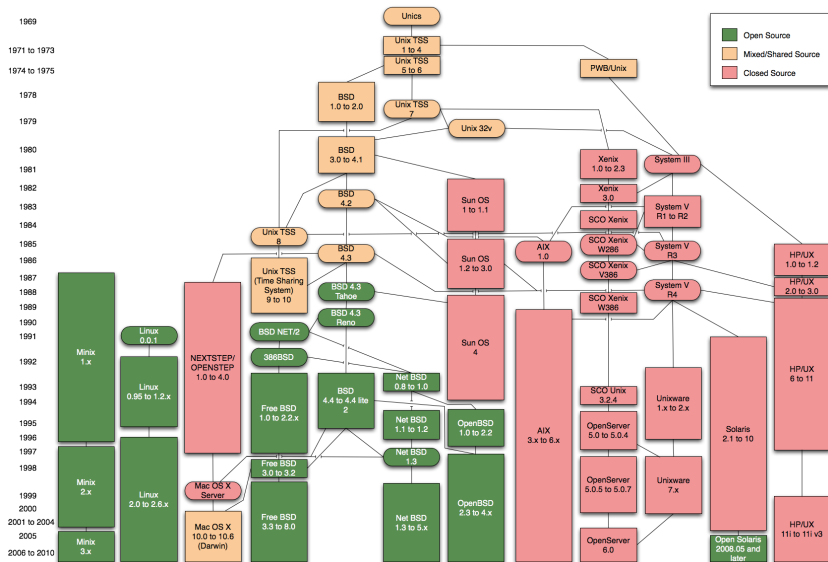
November 4, 2019

UNIX

UNIX

History

Diagram



Multics

1960

Companies

- MIT
- AT&T Bell labs
- General Electric

UNIX

AT&T Bell Labs 1970

Developers

- Ken Thompson
- Dennis Ritchie

Berkeley Unix

1974

Licensed by AT&T

Berkeley Software Distribution

1979

- vi
- csh

Licensed by AT&T

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Net/1

June 1989

Basis for

- NetBSD
- FreeBSD

Under BSD License

Minix

Andrew S. Tannenbaum

- For teaching
- Not BSD
- GPL

Linux

Linus Torvalds

- Inspired by Minix
- Not BSD
- GPL

NetBSD

Computer Systems Research Group of the University of California, Berkeley

- Started in 1993 from Net/2 and 386BSD
- BSD License (two, three, and four-clause variants)
- **Portable**

Founders :

- Chris Demetriou
- Theo de Raadt
- Adam Glass
- Charles Hannum

FreeBSD

- Started in 1993 also from 386BSD
- FreeBSD 2.0 in 1994, without code from AT&T
- **Fast** jemalloc in base

OpenBSD

Theo de Raadt

- forked from NetBSD in 1995
- **Secure by default**
- Home of CARP, cwm, httpd, LibreSSL, OpenBGPD, OpenIKED, **OpenNTPD**, OpenOSPF, OpenRsync, OpenSMTPD, **OpenSSH**, PF, pfsync, sndio, spamd, Xenocara

Darwin

- Forked from FreeBSD by Apple Inc. in 2000
- Includes code from NeXTSTEP and Mach
- Basis for MacOS X, iOS, iPadOS
- Apple Public Source License (APSL), with closed-source drivers