

# List of BSD operating systems

From Wikipedia, the free encyclopedia

There are a number of Unix-like operating systems under active development, descended from the Berkeley Software Distribution (BSD) series of UNIX variants developed (originally by Bill Joy) at the University of California, Berkeley Electrical Engineering and Computer Science department. As of 2016 there were four major BSD operating systems, and an increasing number of other OSs derived from these, that add or remove certain features but generally remain compatible with their originating OS—and so are not really forks of them. This is a list of those that have been active since 2014, and their websites.

## Contents

- 1 FreeBSD-based
  - 1.1 DragonFly BSD-based
- 2 NetBSD-based
- 3 OpenBSD-based
- 4 Historic BSD
- 5 See also
- 6 References
- 7 External links

## FreeBSD-based

FreeBSD is a free Unix-like operating system descended from AT&T UNIX via the Berkeley Software Distribution (BSD). FreeBSD currently has more than 200 active developers and thousands of contributors. Other notable derivatives include DragonFly BSD, which was forked from FreeBSD 4.8, and Apple Inc.'s Mac OS X, with its Darwin base including a large amount of code derived from FreeBSD.

Name	Description
AskoziaPBX	Discontinued <sup>[1]</sup>
BSDBox	
BSDDeviant	
BSDLive	
Bzerk CD	
ClonOS <sup>[2]</sup>	ClonOS is a free open-source FreeBSD-based platform for virtual environments creation and management.
DragonFly BSD	Originally forked from FreeBSD 4.8, now developed in a different direction
ClosedBSD	
DesktopBSD	DesktopBSD is a discontinued <sup>[1]</sup> desktop-oriented FreeBSD variant using K Desktop Environment 3.5.
EclipseBSD	
Evoke	Formerly <i>DamnSmallBSD</i> ; a small live FreeBSD environment geared toward developers and system administrators. <sup>[3]</sup>
FenestrOS BSD	
FreeBSDLive	
FreeBSD LiveCD	
FreeNAS	
FreeSBIE	
Frenzy Live CD	A "portable system administrator toolkit". It generally contains software for hardware tests, file system check, security check and network setup and analysis.
Debian GNU/kFreeBSD	
Ging	Discontinued
Gentoo/FreeBSD	Gentoo/*BSD subproject to port Gentoo features such as Portage to the FreeBSD operating system
GhostBSD	GhostBSD is a Unix-derivative, desktop-oriented operating system based on FreeBSD. It aims to be easy to install, ready-to-use and easy to use. Its goal is to combine the stability and security of FreeBSD with pre-installed Gnome, Mate, Xfce, LXDE or Openbox graphical user interface.
GuLIC-BSD	
HamFreeSBIE	
HeX	
IronPort AsyncOS	security appliances
Junos	For Juniper routers
MaheshaBSD	A LiveCD or USB stick-based modular toolkit, including an anonymous surfing capability using Tor. <sup>[4]</sup> The author also made NetBSD LiveUSB - MaheshaNetBSD, and DragonFlyBSD LiveUSB - MaheshaDragonFlyBSD. A LiveCD can be made from all these USB distributions by running the /makeiso script in the root directory.
miniBSD	
m0n0wall	m0n0wall is an embedded firewall distribution of FreeBSD, one of the BSD operating system descendants. It provides a small image which can be put on Compact Flash cards as

	well as on CDROMs and hard disks. It runs on a number of embedded platforms and generic PCs.
MidnightBSD	Midnight BSD has now forked away from FreeBSD 6.1 Beta
NanoBSD	
NAS4Free	NAS4Free is a network-attached storage (NAS) server software.
NetBoz	
NextBSD	A distribution of FreeBSD based on the trunk version.
Nokia IPSO	Nokia IP security appliances
PacBSD <sup>[5]</sup>	A lightweight operating system that aims to bring the flexibility and philosophy of Arch Linux to BSD-based operating systems.
Paxym	FreeBSD for Cavium Networks OCTEON
pfSense	pfSense is a FreeBSD-based firewall tailored for use as a firewall and router.
PicoBSD	
RelaxBSD	
RoFreeSBIE	
Snarl	
The Dark Star	
TheWall	
ThinBSD	
Triance OS	
TrueBSD	
TrueOS	TrueOS is a Unix-like, desktop-oriented operating system based on FreeBSD. It aims to be easy to install by using a graphical installation program, and easy and ready-to-use immediately by providing Lumina (desktop environment) as the default, pre-installed graphical user interface.
TrustedBSD	
WarBSD	
WiBSD	
WiFiBSD	
CelOS	The PlayStation 3 operating system
Orbis OS	The PlayStation 4 Operating system
XORP	
Zrouter	FreeBSD based firmware for embedded devices

## DragonFly BSD-based

Name	Description
Gentoo/DragonFlyBSD	Gentoo/*BSD subproject to port Gentoo features such as Portage to the DragonFly BSD operating system
FireFly BSD <sup>[6]</sup>	Was a DragonFly based distribution.

## NetBSD-based

NetBSD is a freely redistributable, open source version of the Unix-derivative Berkeley Software Distribution (BSD) computer operating system. It was the second open source BSD descendant to be formally released, after 386BSD, and continues to be actively developed. Noted for its portability and quality of design and implementation, it is often used in embedded systems and as a starting point for the porting of other operating systems to new computer architectures.

Name	Description
BlackBSD	Live CD with security tools and Fluxbox.
EdgeBSD <sup>[7]</sup>	NetBSD fork with main goal to be more modern in some aspects than NetBSD itself. Looks like some of the things will be back-committed to the main project.
Force10 Networks FTOS	the operating system for Force10 TeraScale E-Series switches/routers
Debian GNU/NetBSD	Debian GNU/NetBSD was a project to combine Debian with the kernel of NetBSD. It was abandoned in 2002 and has not seen active maintenance ever since.
Gentoo/NetBSD	Gentoo/*BSD subproject to port Gentoo features such as Portage to the NetBSD operating system.
Jibbed	Live CD based on NetBSD
PolyBSD / pocketSAN	Multipurpose framework for building embedded systems based on NetBSD.
SEOS	The operating system for the Ericsson SmartEdge router series

## OpenBSD-based

OpenBSD is a Unix-like computer operating system descended from Berkeley Software Distribution (BSD), a Unix derivative developed at the University of California, Berkeley. It was forked from NetBSD in 1995. OpenBSD includes a number of security features absent or optional in other operating systems and has a tradition of developers auditing the source code for software bugs and security problems.

Name	Description
ÆrieBSD	OpenBSD fork which tends to be free from GPL-licensed software. <sup>[8]</sup>
adJ	Distribution of OpenBSD for Spanish speakers, <sup>[9]</sup> since 2005 new versions are released around 3 months after OpenBSD's releases, source in GitHub, <sup>[10]</sup> to learn how to install there is a challenge with badge on P2PU <sup>[11]</sup>
Anonym.OS	Discontinued.
Bitrig <sup>[12]</sup>	OpenBSD fork with main goal to be more modern in some aspects than OpenBSD. <sup>[13]</sup>
BowlFish	a customized OpenBSD installation script for embedded systems, intended to make OpenBSD fit into small media like compact flash cards.
BSDanywhere	Live CD featuring the Enlightenment DR17 window manager
ComixWall	A firewall with UTM features
ekkoBSD	ekkoBSD was a Unix-like operating system based on OpenBSD 3.3, also incorporating code from other BSD-like operating systems. Its focus was on security and easy administration.
EmBSD	
FabBSD	OpenBSD fork with main application in CNC field. It's almost inactive.
FuguIta	Providing both LiveCD and LiveUSB. Highly customizable by user. Tracking errata on OpenBSD-stable.
Gentoo/OpenBSD	Gentoo/*BSD subproject to port Gentoo features such as Portage to the OpenBSD operating system
MarBSD	LiveCD of OpenBSD
LibertyBSD	Fork of OpenBSD with all non-free binaries removed.
MicroBSD	Fork of the UNIX-like BSD operating system descendant OpenBSD 3.0, begun in July 2002. The project's objective to produce a free and fully secure, complete system, but with a small footprint.
MirOS BSD	Core system based mostly on OpenBSD and some NetBSD code for 32-bit i386 and sparc, updated via infrequent snapshots and by following "current". Additional packages via MirPorts and pkgsrc are no longer updated.
OliveBSD <sup>[14]</sup>	Was a live CD originally based on OpenBSD 3.8
PsygNAT	Firewall and NAT router tool
Quetzal <sup>[15]</sup>	Was a live DVD/CD system, based on OpenBSD
SONaFR	SONaFR is a small system with router/NAT/firewalling capabilities that fits on a single floppy.
SnasciOS <sup>[16]</sup>	Snasci OS is a general purpose operating system built upon OpenBSD and the Lumina Desktop Environment. Designed to be very light weight, Snasci OS is quick, responsive and secure. Whether you want a pretty desktop to surf the web, read emails, work with documents or a hardened server platform, Snasci OS provides a nice balance between the two, without compromising on either.

## Historic BSD

BSD was originally derived from Unix, using the complete source code for Sixth Edition Unix for the PDP-11 from Bell Labs as a starting point for the First Berkeley Software Distribution, or *1BSD*. A series of updated versions for the PDP-11 followed (the 2.xBSD releases). A 32-bit version for the VAX platform was released as 3BSD, and the 4.xBSD series added many new features, including TCP/IP networking.

For many years, the primary developer and project leader was Bill Joy, who was a graduate student at the time; funding for this project was provided by DARPA. DARPA was interested in obtaining a programming platform and programmer's interface which would provide a robust, general purpose, time-sharing computing platform which would not become obsolete every time computing hardware was or is replaced. Such an operating system would allow US Department of Defense software, especially for intricate, long-term finance and logistics operations, to be quickly ported to new hardware as it became available.

As time went on, code was later ported both from and to Unix System III and still later Unix System V. Unix System V Revision 4 (SVR4), released circa 1992, contained much code which was ported from BSD version up to and including 4.3BSD.

## See also

- Comparison of BSD operating systems
- Commercial products based on FreeBSD

## References

1. "Updated: FBSD based Projects and Systems page" (<http://www.freebsdnews.net/2010/01/12/updated-fbsd-based-projects-and-systems-pag/>). FreeBSD News. 2010-01-12. Retrieved 2014-02-16.
2. "Free Open-Source Hosting Platform ClonOS" (<https://clonos.tekroutine.com/>). Retrieved 28 September 2016.
3. "evoke - Formerly DamnSmallBSD - Google Project Hosting" (<https://code.google.com/p/evoke/>). Code.google.com. Retrieved 2014-02-16.
4. [1] (<http://www.freebsd.nfo.sk/mahashaeng.htm>) Archived (<https://web.archive.org/web/20100425054137/http://www.freebsd.nfo.sk/mahashaeng.htm>) April 25, 2010, at the Wayback Machine.
5. "PacBSD : Homepage : A simple, lightweight distribution" (<https://www.pacbsd.org/>). Archbsd.net. Retrieved 17 November 2014.
6. "FireflyBSD - DragonFlyBSD" (<https://web.archive.org/web/20130908211123/http://www.fireflybsd.com/>). Web.archive.org. Archived from the original (<http://www.fireflybsd.com/>) on September 8, 2013. Retrieved 17 November 2014.
7. "The EdgeBSD Project: About EdgeBSD" (<http://www.edgebsd.org>). Edgebsd.org. Retrieved 17 November 2014.
8. "AerieBSD" (<https://web.archive.org/web/20150502122433/http://aeriebsd.org/about.html>). Web.archive.org. Archived from the original (<http://aeriebsd.org/about.html>) on 2015-05-02. Retrieved 2016-05-16.
9. "Novedades" (<http://aprendiendo.pasosdejesus.org/>). Aprendiendo.pasosdejesus.org. Retrieved 2014-02-16.
10. "pasosdeJesus/adJ · GitHub" (<https://github.com/pasosdeJesus/adJ>). Github.com. Retrieved 2014-02-16.
11. "Reto: adJ como sistema operativo de escritorio" (<https://p2pu.org/es/groups/openbsd-adj-como-sistema-de-escritorio/>) (in Spanish). P2PU. Retrieved 2014-02-16.
12. "Bitrig" (<https://www.bitrig.org>). Bitrig.org. Retrieved 17 November 2014.
13. "Faq 路 bitrig/bitrig Wiki 路 GitHub" (<https://github.com/bitrig/bitrig/wiki/Faq>). Github.com. 2013-10-04. Retrieved 2014-02-16.
14. DistroWatch. "DistroWatch.com: OliveBSD" (<http://distrowatch.com/table.php?distribution=olivebsd>). Distrowatch.com. Retrieved 17 November 2014.
15. Micho Durdevich. "Quetzal::BSD Home Page" (<https://web.archive.org/web/20110512215811/http://quetzal.matem.unam.mx/>). Web.archive.org. Archived from the original (<http://quetzal.matem.unam.mx/>) on May 12, 2011. Retrieved 17 November 2014.
16. Snasci. "snasci.com: SnasciOS" (<https://snasci.com/SnasciOS>). snasci.com. Retrieved 7 October 2016.

## External links

- MiniOS - List of small OSes, with a section on BSD-based ones

- - MaheshaBSD in the BSD Magazine

Retrieved from "[https://en.wikipedia.org/w/index.php?title=List\\_of\\_BSD\\_operating\\_systems&oldid=792568987](https://en.wikipedia.org/w/index.php?title=List_of_BSD_operating_systems&oldid=792568987)"

- 
- This page was last edited on 27 July 2017, at 08:51.
  - Text is available under the Creative Commons Attribution-ShareAlike License; additional terms may apply. By using this site, you agree to the Terms of Use and Privacy Policy. Wikipedia® is a registered trademark of the Wikimedia Foundation, Inc., a non-profit organization.