

What is FreeBSD?

An open source operating system descended from the Unix developed at the University of California, Berkeley that became an open source project in 1993 with several hundred active committers from across the globe.



Still Not Convinced? Don't forget FreeBSD is

- ✓ **An open source community** that provides the opportunity to learn the details of a technology, improve one's skills, network with others who share your interest in a technology, and gain real-world experience.
- ✓ **Community Driven** While the platform is all about the technology, the sub-text is all about community.

How is FreeBSD Used?

- » Used by service providers such as Yahoo!, ISC, New York Internet, and Pair Networks
- » Provides a research platform at Harvard, Rice University, the University of Cambridge, and more.
- » It is the OS foundation for Apple Mac OS X and Apple iOS, WhatsApp, and OneFS just to name a few.

Now is the time to join an active community that furthers your needs and become an active contributor!

Join companies like Netflix, Sony Playstation, and NetApp, and get started today!

www.freebsd.org/projects/newbies.html



**Get
Involved with
FreeBSD**

If you're looking for an inclusive and mentored open source experience, check out the FreeBSD Project.



FreeBSD
FOUNDATION

Why Become Involved?

FreeBSD Provides Many Advantages!

- » Opportunity to work with a mature, open source community with well-documented processes and built-in mentoring
- » Ability to learn from senior-level technologists who have written file systems, networking stacks, security frameworks, etc.
- » Interact with people from across the globe who share your passion

FreeBSD offers a large and diverse body of work.

- » Source code and documentation for all aspects of an operating system over several decades of development (think free research and learning from the people who wrote innovative stuff)
- » Opportunity to participate in a large source repository with several hundred active committers (think résumé and real-world work experience)

Plus, no glass ceiling!

- » No one cares about (or necessarily even knows) your age, gender, race; you are instead known by your body of work
- » You will have the ability to find a niche and, over time, become an expert in that niche
- » There is an opportunity to collaborate with and build professional relationships with other experts

What does FreeBSD Excel at?

Networking

- » BSD sockets provided the original API for TCP/IP
- » First operating system to provide an IPv6-only networking stack
- » Research platform for modular TCP congestion control algorithms
- » High performance direct-to-hardware packet I/O (netmap)

File Systems

- » BSD FFS was the first file system to reduce disk fragmentation with cylinder groups
- » SUJ adds journaled software updates to UFS
- » HAST (Highly Available STorage) provides synchronous, block-level replication over TCP/IP
- » OpenZFS: FreeBSD uses and actively contributes to this cross-platform, modern file system

Security

- » Capsicum: an OS capabilities and sandbox framework
- » Casper (daemon to run services in sandboxes)
- » Fine-tuned resource limits for processes, users, and jails
- » Jails provide lightweight OS virtualization since 2000 (became the model for Docker and Solaris zones)



Community-Friendly

- » License: commercial-friendly 2-clause BSD
- » Community: friendly and professional, many active committers/users for 10+ and 20+ yrs
- » Mentoring: built into the Project's culture and processes
- » Documentation: FreeBSD Handbook, FAQ, Developers' Handbook, Porter's Handbook, Documentation Project Primer, man pages
- » Support: The associated, non-profit FreeBSD Foundation provides legal and monetary support for the Project and its contributors