

The Tor BSD Diversity Project (TDP)

Web Site: <https://torbsd.github.io> or <http://bptfp7py2wclht26.onion>

Repositories: <https://github.com/torbsd>

What is TDP?

The **Tor BSD Diversity Project (TDP)** is an initiative seeking to extend the use of the BSD Unix operating systems in the Tor public anonymity network.

The Tor Project continues to play a critical role in anonymity and privacy solutions. With increasing surveillance and censorship, Tor is a vital tool, and the project has grown by leaps-and-bounds since originating with the US Naval Labs in the 1990's. Hundreds of thousands rely on Tor in a world filled with threats to anonymity and privacy.

While recognizing that the Tor Project is dynamic open source project with a vibrant community, we are also concerned with the overwhelming Linux monoculture. Monocultures in nature are dangerous, as vulnerabilities are held in common across a broad spectrum. Diversity means single vulnerabilities are less likely to harm the entire ecosystem. In a global anonymity network, monocultures are potentially disastrous. A single kernel vulnerability in Linux impacting Tor relays could be devastating. **TDP** wants a stronger Tor network, and we believe one critical ingredient for that is operating system diversity starting with the BSDs.

The Three Angles of the TDP's approach:

- To increase the number of Tor relays running *BSDs, focused on the network layer
- To develop a solid, Tor-compatible browser easily portable to other POSIX-based operating systems, focused on the client layer
- To engage the broader *BSD community about the Tor anonymity network

Current TDP Work:

- Guides for configuring FreeBSD and OpenBSD relays
- The creation of an OpenBSD Tor Browser port
- Organizing various events for engaging *BSD users about Tor, including BoFs
- Facilitating BSD-using firms to run high-bandwidth Tor relays

TDP Success Depends on Broader *BSD Community Involvement.

- Join NYC*BUG's Tor-BSD list <http://lists.nycbug.org/mailman/listinfo/tor-bsd>
- Clone <https://github.com/torbsd/openbsd-ports> and start testing and contributing
- Alternately, set your OpenBSD current snapshot's PKG_PATH to <http://mirrors.nycbug.org/pub/distfiles> and install the amd64 package
- Run a *BSD Tor relay and join the BSD Buildbot at <http://buildbot.pixelminers.net>
- Encourage your firm or university to run BSD Tor relays
- Port Tor Browser to other BSDs
- Spread the word about **TDP**