

Open Source Engagement

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Open Source: What

- Open-Source Software != Free Software
 - <https://opensource.org/osd>
 - https://en.wikipedia.org/wiki/Open-source_software
- Freeware
- <-> Proprietary Software
- Public Domain

Open Source: Why

- Nowadays the information industry is heavily based on open source software
 - as well as hardware
- Many benefits if you can leverage them
 - Excellent learning resource
 - Accumulate experience and reputation
 - Fun
 - **Freedom**
 - Right to have choices
 - Open format

Open Source: Freedom

- 自由不是離開某套軟體、某種系統，而是找到自由
 - by 李士傑, Ptt FreeBSD Board entry screen
- <https://lists.freebsd.org/pipermail/svn-src-head/2015-November/078440.html>
 - Most of us do a lot of this work (FreeBSD) as volunteers. Even if some of us work on some of it for $\{\text{WORK}\}$ we work on other bits in our spare time for \$0 as well, so that's a lame cop out. Part of the reason we do this in our spare time is because it's a chance to do things "right", not just quick hacks to satisfy a business-deadline at $\{\text{WORK}\}$

Things You Should Know Earlier

- Not always the best
- Sometimes it costs most
- Things suitable for others aren't always suitable for you.
- An open source project shouldn't be a place you can ask for anything for free, but should be a place you can work on anything freely.
- What is your primary goal?

Now and then, then and now

- Hacker Culture
- Commercial Strategy

Roles

- One of, some of, or all of:
 - User
 - Contributor
 - Developer
- COSCU`P`
 - Promoter

Tracking

- Release
 - Version number
 - Semantic Versioning (<https://semver.org>)
 - Announcements
 - Release Note, ChangeLog
 - Errata, Security Advisories
 - Preview (RC, BETA, ...)
- Development
 - Commit message in VCS (version control system)
 - Issue tracker
 - Mailing lists, Forums
- You need to test everything

Legal

- License
 - Copyright, Copyleft, Copyleft
- Patent
- (CLA) Contributor License Agreement

- IANAL - I Am Not A Lawyer
 - But knowing this will benefit (save?) you
 - Understand technical and non-technical details of what you use

Joining

- Contribute back & Evolve together
- Documenting
 - Also for the future you
- Reporting Issue
 - See how others solve issue
 - <https://bugzilla.mozilla.org/page.cgi?id=bug-writing.html>
- Discussing (Design)
- Patching (Implement)
- Code review
 - Atomic commits
 - Commit message

Community

- Asynchronized
 - Mailing list
 - Forums
- (Semi-)Synchronized
 - IRC
 - Instant message groups
 - (and many other modern options)
- Meetup
- Conference
- Online/offline note, article, books
- Commercial Support

How to Start?

- Never too early & Never too late
- From what you are using now
 - Development version
 - Build the project
 - Fix your issues
 - Customize for your needs
 - Junior tasks
 - <https://wiki.freebsd.org/JuniorJobs>
 - Ideas list
 - <https://wiki.freebsd.org/IdeasPage>
- Eat your own dogfood
- Mentoring programs

Working with others

- How To Ask Questions The Smart Way
 - <http://www.catb.org/~esr/faqs/smart-questions.html>
 - <https://github.com/ryanhanwu/How-To-Ask-Questions-The-Smart-Way>
- Open Source Enlightenment 開源之道
 - Allison Randal & Audrey Tang
 - <https://www.slideshare.net/autang/open-source-enlightenment>
 - <https://gist.github.com/audreyt/2400315>
 - <https://www.youtube.com/watch?v=A6bBcvSyg0k>

-Ofun

Opportunities

- Internship
 - Open Culture Foundation
 - <https://blog.ocf.tw/2023/05/freebsd-intern.html>
 - FreeBSD foundation (summer intern, long-term internship)
 - Stipend provided.
 - Google Summer of Code
- Academic-ish publications
 - BSD Conferences (Next AsiaBSDCon will be in Taipei in March 2024)
 - FreeBSD Journal
- Academic conference / journal