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 ${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 ${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
- 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

Working with others

- 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