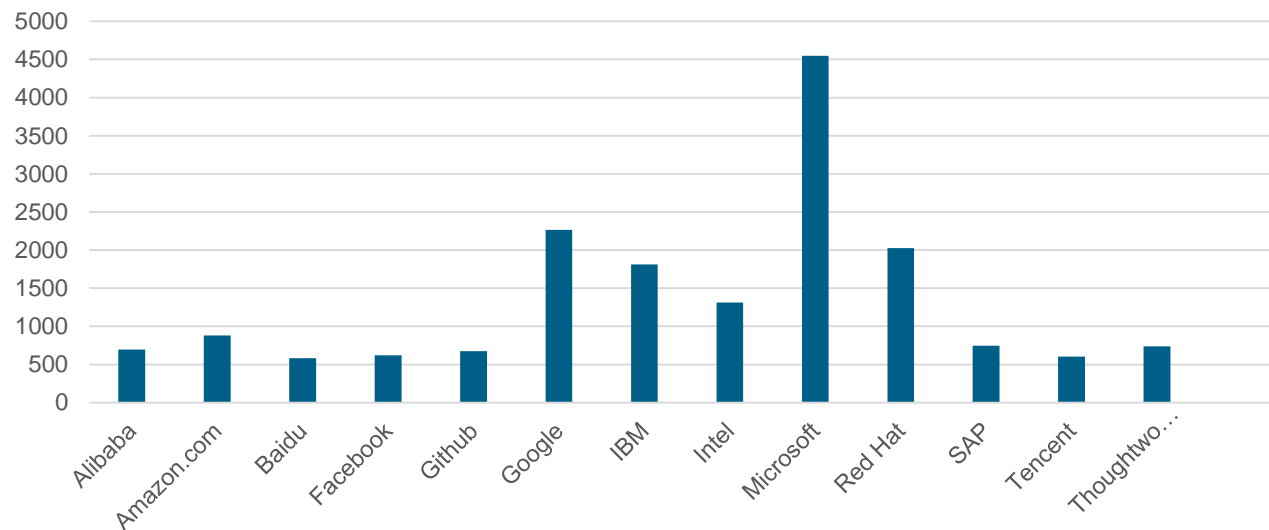


The journey of software from coding to its availability as OSS contribution

The Open Source Ecosystem is dominated by companies – collaboration to lever benefits of OSS

Number of employees contributing to OSS – projects on Github



- The Open Source Ecosystem evolves from US dominated towards a strong Chinese share
- Software vendors as well as companies relying their business on software are the most active contributors

<https://www.infoworld.com/article/3253948/who-really-contributes-to-open-source.html> By Matt Asay

Why to contribute to OSS projects



Build software faster and better

Exercise strategic influence



Attract, grow and retain talent

Get closer to the customer

Contribution – how to do?



Topics to consider

Lean procedure

Decision rests
with the budget
owner

Protect your
employees

Protect your
business interests



```
ssize_t i, len;  
USBI_GET_CONTEXT(ctx);  
usbi_dbg("");  
if (!discdevs) return LIBUSB_ERROR_NO_MEM;
```

Respect the rules
of the OSS
ecosystem / OSS
project

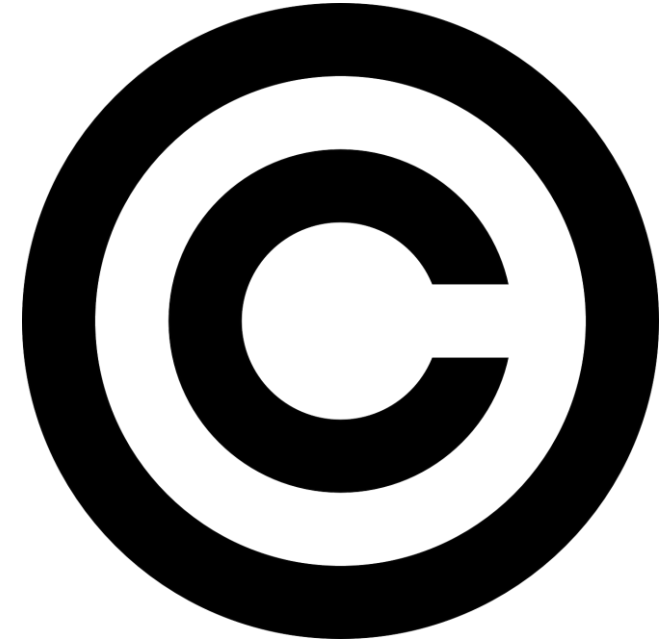
Act in compliance with
law, internal and
external regulations

Section 69b

Authors in employment or service relationships

(1) Where a computer program is created by an employee in the execution of his duties or following the instructions of his employer, the employer exclusively shall be entitled to exercise all economic rights in the computer program, unless otherwise agreed.

source: https://www.gesetze-im-internet.de/englisch_urhg/englisch_urhg.html#p0522



Contributions to existing OSS – a potential way to go

Senior Manager

- Approves the contribution if everything is ok

Legal department

- Analyses CLA/DCO
- Analyses unknown licenses

Compliance Office

- Provides CLA / DCO to Legal / IP department / governance owner
- Provides unknown license texts to the Legal / IP department
- Assists all involved stakeholders

Person wanting to contribute

- Clean up source code to be contributed
- Provide name and URL of the project
- The license of the project
- Information of the contribution policy of the project (CLA, DCO,...)
- Context in which the software was developed
- Decides on identifiable or “anonymous” contribution

IP department

- Analyses CLA/DCO
- Analyses unknown licenses
- Analyses Contribution in the context of the license

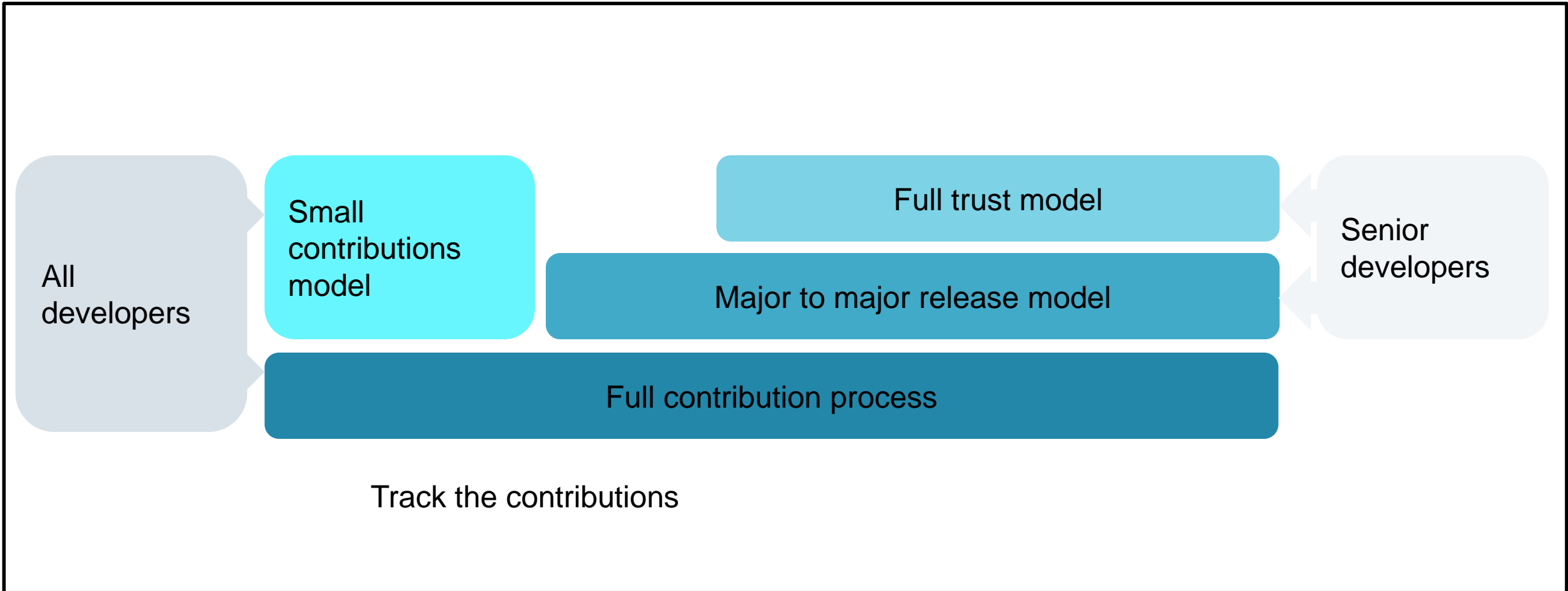
Direct manager

- Agree / disagree to contribution
- Involves budget owner(s) - ask for approval
- Involves ECC if necessary

Peer Reviewer

- Review contribution
- Programming style
- Inline with coding style of the project
- No internal information

Working upstream – potential approaches



Launch an OSS project – points to consider

Never use open source projects to throw old code onto the public

Publicly available source code is the "business card" of the company and of its maintainers to the software ecosystem

An OSS project is a software development project just like any other software development project.

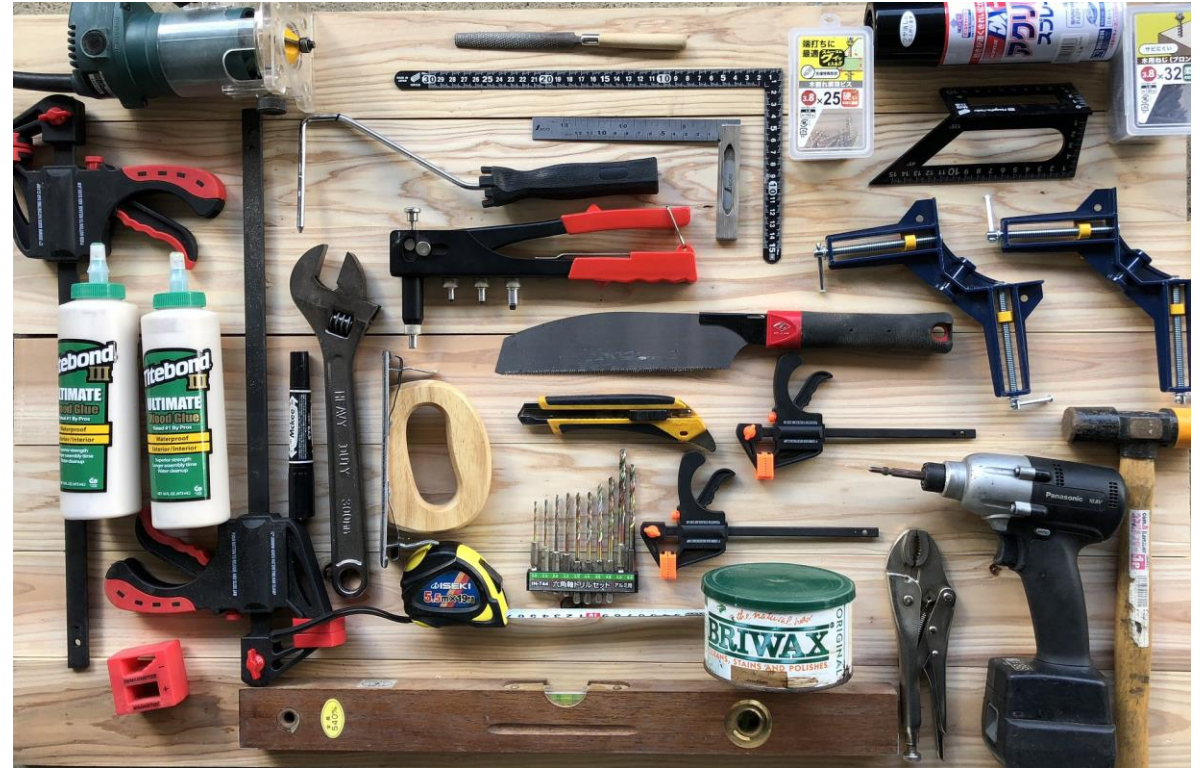
You have to have a very clear picture why you want to make a certain chunk of code publicly available

Launching an new OSS project is comparable to a product introduction



Launch an OSS project – preparation

- Review source code (use a Checklist)
- Decide on a proper license
- Decide on CLA/DCO or other means
- Check whether any trademarks are used
- Check all dependencies
- Check whether you have to involve ECC
- Make the project REUSE conformant
- Ensure that all requirements of the CII badge program are covered
- Be aware that everything must be in the public



Credits



Picture by jarmoluk / pixabay.com / Pixabay License



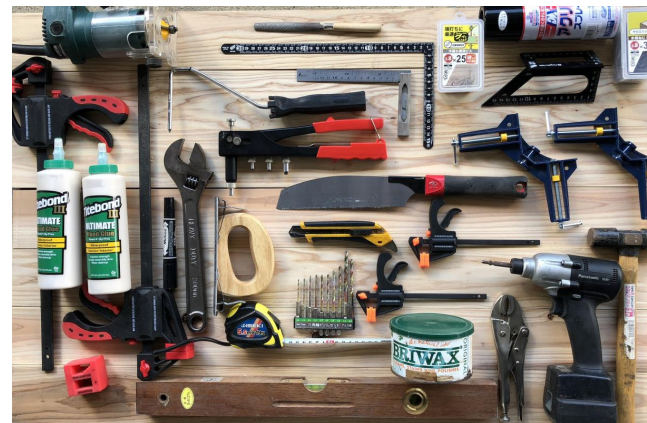
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