

L10 Open Standards

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Open Standards

1 Open Standards

2 Meeting

- Recapitulation
- Presentations
- Conclusions, Outlook & Feedback

Learning Outcomes

After successful completion of L10 Open Standards students will be able to

- facilitate open standards.

Standard First

- start with user or dev-facing docu (man pages, ...)
- think of alternative implementations from the beginning
- don't be afraid to also decide (sizes, data structure)
e.g. for portability and performance

Levels of Standardisation

- Filesystem or file content
- Network protocol
- APIs and ABIs
- screen content

Finding

KISS, several reference implementations

Compatibility

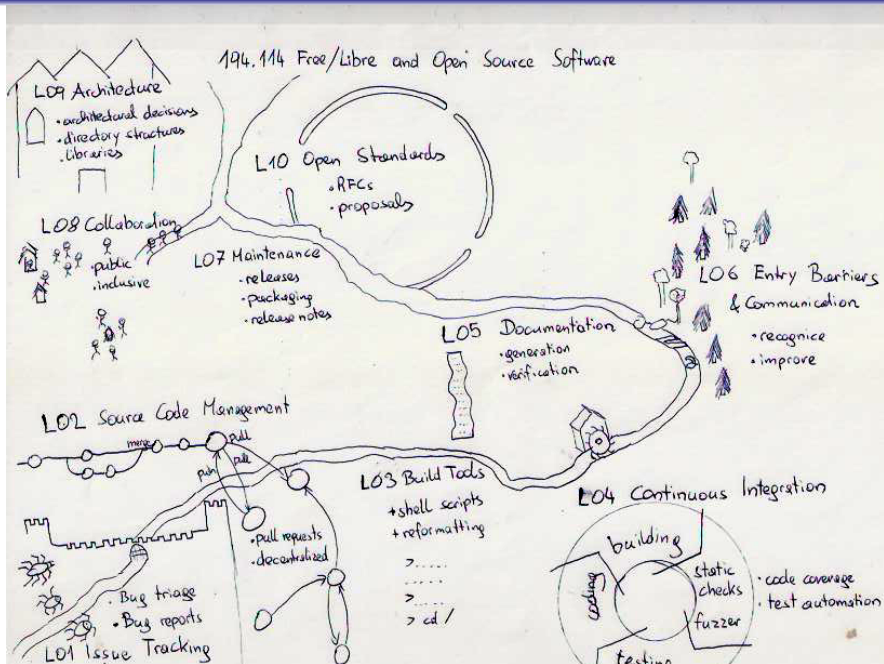
- semantics shouldn't change for the life-time of the standard
- users want to rely on standards

Testing

- does an implementation comply to an standard?
- e.g. HTML, documents: is the rendering result the same

Examples

- POSIX
- SANE
- gstreamer
- Elektra
- D-Bus
- Freedesktop.org



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Meeting

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Standard First

How to approach FLOSS with the goal of an open standard?

Standard First

- start with user or dev-facing docu (man pages, ...)
- think of alternative implementations from the beginning
- don't be afraid to also decide (sizes, data structure)
e.g. for portability and performance

Who has the best standard?

Convince others why your standard should be used:

- community behind standard
- openness
- compatibility
- testing of implementations
- level of standardisation
- technical soundness

Task

Reminder: Avoid reinventing standards, prefer improving existing ones.

Task

Break.

Meta Discussion

After each presentation we will have two discussion rounds:

- Discussion what was understood
- Discussion how you liked the presentation

Open Standards in Action

by Polaczek Axel

Btrfs

by Stöckl Richard

Task

Break.

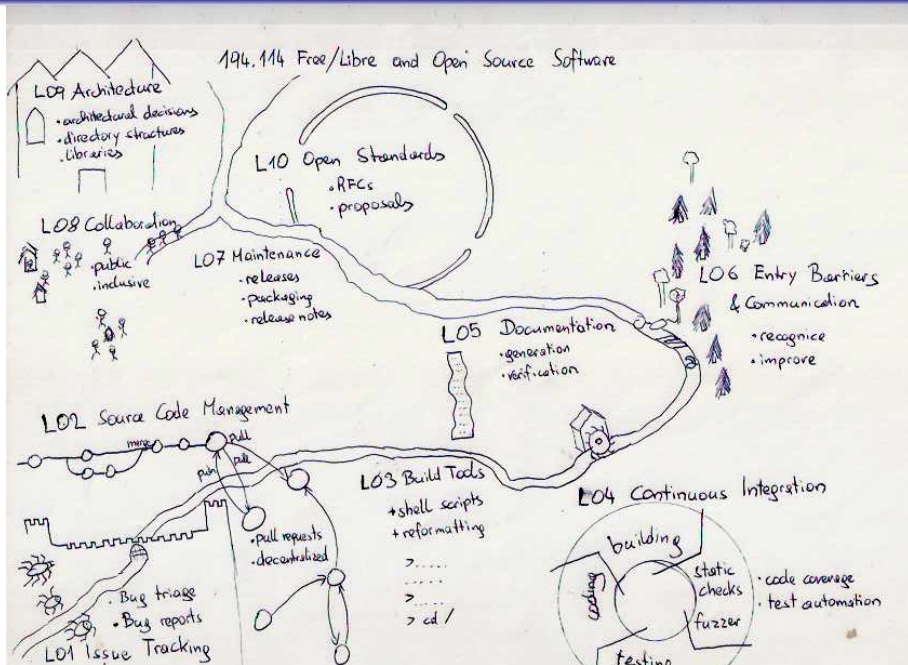
My glossy flossy world

by Jonak-Möchel Christian

Learning Outcomes

Say one word what you learned about:

- participate in FLOSS initiatives,
- found new FLOSS initiatives,
- use FLOSS methods in business context.
- describe foundations of FLOSS processes,
- systematically design and construct FLOSS and
- reproduce chosen FLOSS software architectures.
- use techniques for quality assurance in the context of FLOSS,
- use exemplary FLOSS tools.
- communicate within FLOSS-communities.



Conclusion

- use, participate and enjoy FLOSS
- report and fix issues
- spread the word

Next Steps

Continue working on FLOSS Initiatives:

- TU Bachelor-/Masterthesis/Projects
- personal/educational/... use
- remember to bring FLOSS to your work
- 194.030 Configuration Management (homework & project)

Planned improvements

- select presentation date (and submission dates) with P0 or even H0
- P1: grading by you? (use other FLOSS or even collaborate)
- labels additional to title
- select consultation hour times via TUWEL (like presentation)
- subtitles (vosk, subtitle2go or whisper evaluated by LectureTube team)

Feedback

Lecture finished for this term.

Thank you so much for participating!

A huge thanks for your contributions!

Please

- fill out TUWEL Feedback today
- submit in TISS Feedback until 09.02.2023

