

L10 Open Standards

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Open Standards

1 Open Standards

2 Meeting

- Recapitulation
- Assignments
- Presentation

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

KISS, several reference implementations

Compatibility

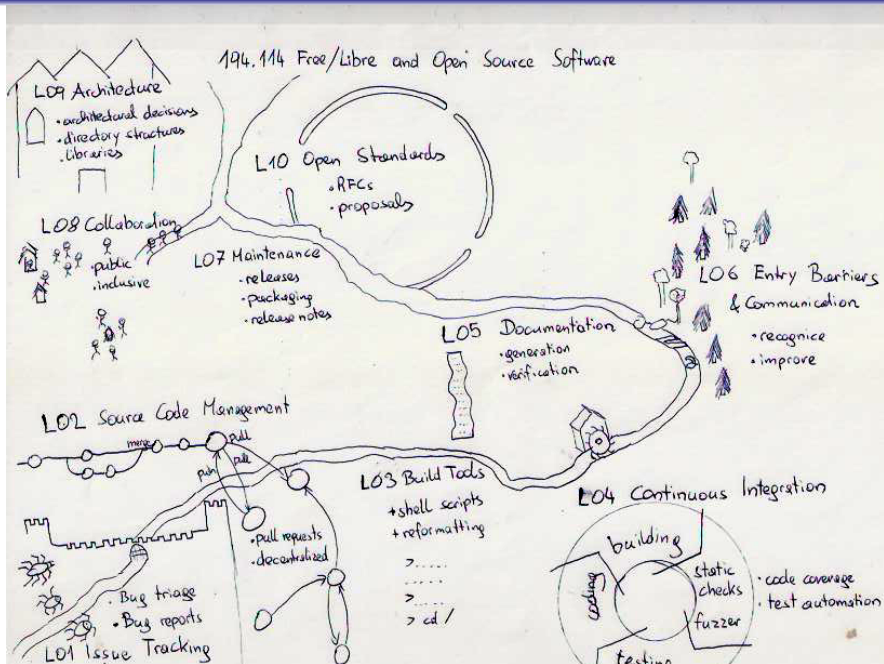
- semantics shouldn't change for the life-time of the standard
- users want to rely on standards

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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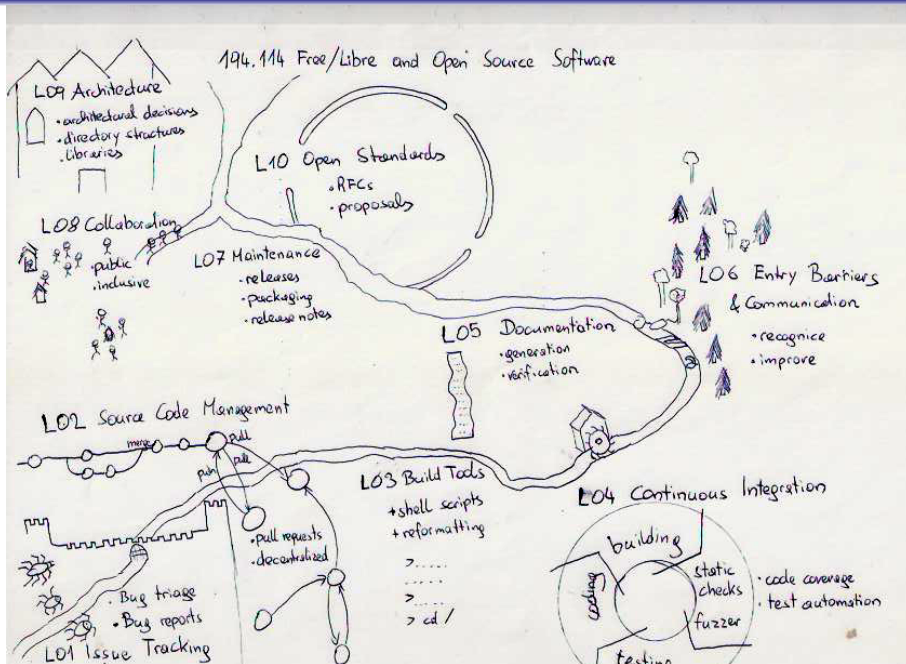


Meeting

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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:

- technical soundness
- level of standardisation
- social background
- openness
- compatibility requirements
- testing

Task

Break.

Who has the best standard?

Convince others why your standard should be used:

- technical soundness
- level of standardisation
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- compatibility requirements
- testing

Task

Break.

Feedback

Exercises finished for this term, only P3 and presentation remain.

- Feedback Talk



P3

Task

Submit document, finalize PR.

L11 Presentation

next week: 26.1.2022

- About anything related to FLOSS.
- It must be from your experience.
- Usually about your project.

Task

Upload slides.

Task

What will your topic be?

