L10 Open Standards

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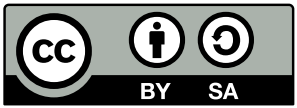


Open Standards

1 Open Standards

2 Meeting
- Recapitulation
- Assignments
- Preview

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

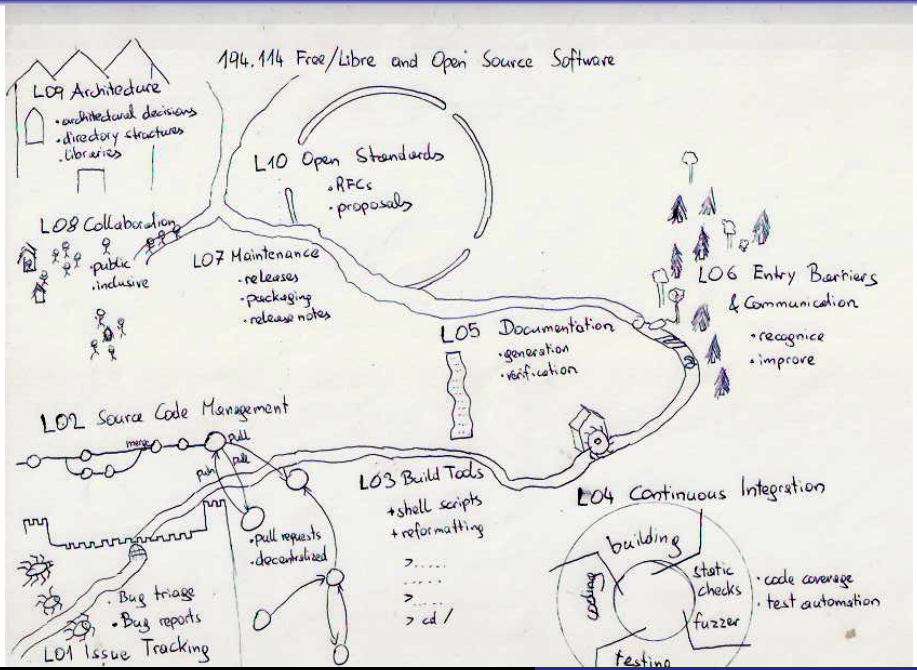
- users want to rely on standards
- should have same meaning for the life-time of the standard

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


194.114 Free/Libre and Open Source Software
L09 Architecture
•architectural decisions
•directory structures
•libraries
L10 Open Standards
•RFCs
•proposals
L08 Collaboration
•public
•inclusive
L07 Maintenance
•releases
•packaging
•release notes
L06 Entry Barriers & Communication
•recognice
•improve
L05 Documentation
•generation
•verification
L02 Source Code Management
merge
pull
push
pull
•pull requests
•decentralized
L03 Build Tools
+shell scripts
+reformatting
> .....
> cd /
L04 Continuous Integration
building
static checks
fuzzer
testing
coding
•code coverage
•test automation
•Bug triage
•Bug reports
L01 Issue Tracking

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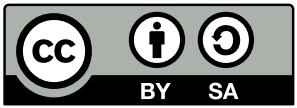

Meeting

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Feedback

- Feedback Talk