

# L07 Maintenance

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# Maintenance

## 1 Maintenance

## 2 Meeting

- Recapitulation
- Assignments
- Preview

# Learning Outcomes

After successful completion of L07  
students will be able to use techniques to

- maintain FLOSS initiatives

# Releases

- main communication to the “outside world”
- tag which version to use (e.g. when some feature is ready)
- points in time when to test, package and announce

# Release Notes

- communicate what changed
- say thanks to contributors
- give incentive to try out the latest version
- give maintainers hints how to package
- communicate API changes to developers

# Release Schema

If possible, avoid them, e.g. use date as release number.

If you want to convey some semantic meaning, like:

- compatibility in APIs (major.minor.micro)
- stable/unstable branches (even/odd, alpha/beta) or LTS

then a different release schema might make sense.

# Licensing

- choose one license for your whole initiative
- if you copy code from others:
  - it either has the same license
  - it has a compatible license AND you document all licenses you use (reuse.software)

# Source Releases

- tar the source code
- sign the tar ball

→ gets less important  
distributions now also pull from version control



# Binary Releases

important if you need to directly publish to end users:

- compile on some old distributions and tar the binaries
- flatpack, homebrew, 0install

# Linux Distributions

- packages maintained by the distributions
- can be considerable effort, so it is good if you can help by reporting:
  - which licenses are used (reuse)
  - which dependencies are needed
  - which files are installed

# Continuous Releases

Automate:

- which installed files were added/removed
- publishing release notes on web-site
- creating and publishing packages
- tests
- generate version-specific information (like tested compilers)

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# Recapitulation.



# Feedback

- Feedback Talk



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