

Logiciel Libre

Cours 0 — Presentation

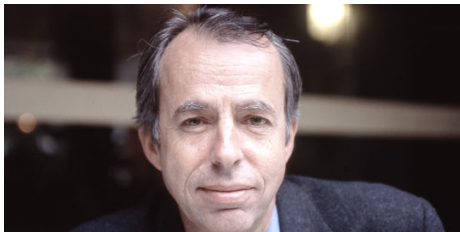
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URL <http://upsilon.cc/zack/teaching/1415/loglib/>
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[...] Nous allons vers une économie de partage, de la gratuité, du logiciel libre en effet.

La figure centrale de demain sera le chercheur qui, lorsqu'il donne quelque chose à la communauté, ne le perd pas. Le chercheur répond aux besoins fondamentaux de l'homme: la création, la curiosité, le changement, le progrès. Il est obligé de coopérer. La coopération canalise la violence, que le libéralisme espérait canaliser par le doux commerce! L'au-delà du capitalisme sera une économie solidaire et fraternelle. [...]

— Bernard Maris (23 Sep 1946 – 7 Jan 2015)

http://www.lemonde.fr/idees/article/2014/09/16/surmonter-la-crise-politique-grace-a-une-economie-de-la-gratuite_4488343_3232.html

Definition (Free Software — *a* definition)

Free/Libre/Open Source Software (FLOSS) is computer software that gives users the freedom to run the software for any purpose as well as to study, modify, and distribute the original software and the adapted versions.

Why bother? — as citizens

Lester picked up a screwdriver. “You see this? It’s a tool. You can pick it up and you can unscrew stuff or screw stuff in. You can use the handle for a hammer. You can use the blade to open paint cans. You can throw it away, loan it out, or paint it purple and frame it.” He thumped the printer. “This [Disney in a Box] thing is a tool, too, but it’s not your tool. It belongs to someone else — Disney. It isn’t interested in listening to you or obeying you. It doesn’t want to give you more control over your life.” [. . .]

*“If you don’t control your life, you’re miserable. Think of the people who don’t get to run their own lives: prisoners, reform-school kids, mental patients. There’s something inherently awful about living like that. **Autonomy makes us happy.**”*

— Cory Doctorow, *Makers*
<http://craphound.com/makers/>

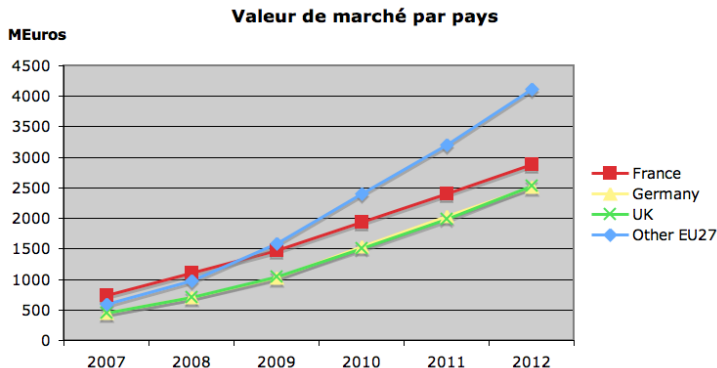
Why bother? — as computer scientists

Free Software has *radically* changed the way software is:

- developed
- tested
- proven
- conceived
- marketed
- sold
- maintained
- taught
- deployed
- ...

Why bother? — as future IT workers

- Free Software is everywhere
- participation in Free Software: a big plus on CVs
- in France: $\approx 10\%$ of IT GDP in 2014 (≈ 4 BEUR), constantly growing in spite of the crisis



Source: Pierre Audoin Consultants

This course — topics

An introduction to Free Software topics, along the following axes

- history
- philosophy
- legal
- management / organization
- (technical)

Feedback from others, with external speakers

- companies
- professionals
- organizations / non-profits

This course — organization

Teaching (CM):

- $\frac{2}{3}$ lectures
- $\frac{1}{3}$ external speakers (usual time)

Practice (TD/TP):

- 12 sessions, alternating TD and TP as needed

This course — evaluation

1 exam

2 TD

- ▶ exercises
- ▶ short essays on selected topics, including external speaker interventions

3 project (mandatory, not CC)

- ▶ relevant *code contribution* to an existing, *major Free Software project*. Examples and guidance will be provided during TP
- ▶ exclusion criteria:

~~“pour le cours de Logiciel Libre de M. Zacchioli je dois contribuer un patch à votre projet, pourriez vous m'aider s'ils vous plaît?”~~

⇒ do the above, and your project note will be 0

Final note

- 1e session: 50% exam + 50% project
- 2e session: 50% exam + 50% project

This course — teaching material

<http://upsilon.cc/zack/teaching/1415/loglib/>

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- Máster Universitario en Software Libre, Universidad Rey Juan Carlos (Madrid, Spain) <http://docencia.etsit.urjc.es/moodle/course/category.php?id=34>
- Cours de Logiciel Libre de Roberto Di Cosmo <http://dicosmo.org/CourseNotes/LogicielLibre/>

Addendum:

- as separate slide decks
- orally → **take notes** (also during external speaker interventions)

Bibliography



Joshua Gay, Richard M. Stallman

Free Software, Free Society: Selected Essays of Richard M. Stallman

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Van Lindberg

Intellectual Property and Open Source: A Practical Guide to Protecting Code

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The Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary

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<http://catb.org/esr/writings/cathedral-bazaar/>



Karl Fogel

Producing Open Source Software: How to Run a Successful Free Software Project

O'Reilly Media, 2005

<http://producingoss.com/>

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