Free Software and Open Source movements

Free Software movement

- 1. Richard M. Stallman and his idea of Free Software.
- 2. Free Software Foundation (1985).
- 3. Free Software freedoms:
- Freedom 0: The freedom to run the program, for any purpose.
- Freedom 1: The freedom to study how the program works, and adapt it to your needs.
- Freedom 2: The freedom to redistribute copies so you can help your neighbor. Freedom 3: The freedom to improve the program,
- and release your improvements (and modified versions in general) to the public, so that the whole community bene-
 - 4. GNU Operation System.
 - 5. Free Software licenses.

\mathbf{II} Open Source movement

- 1. Open Source Definition:
 - Free redistribution. Source code. Derived works.

 - Integrity of the author's source code.
 - No discrimination against persons or
 - 6. No discrimination against fields of endeavor

 - Distribution of license. License must not be specific to a prod-
 - uct.
 9. License must not restrict other software.
 10. License must be technology-neutral.

 - 2. Open Source is a powerful and reliable soft-
- 3. Free Software and Open Source are different.

IIILicenses

- 1. Copyleft vs. permissive licenses vs. public do-
- 2. GPL-like: GNU Lesser GPL, GNU Affero GPL, GNU Free Documentation License.
- 3. BSD-like: BSD, MIT, Boost Software License, Apache License.
- 4. CreativeCommons. CC-BY/SA/ND/NC.

IVFree Software, Open Source and profit

- 1. "Free" is not about price!
- 2. Selling program binary is mostly unprofitable if you are not Big Monopolist Corporation.
- 3. Open Source busyness models:
 - (a) Redistribution and support. Red Hat

- (b) Double licensing. Trolltech Qt, Berkelev DB.
- (c) Implementing program/servers solutions. Zend Corporation.

\mathbf{V} Stories of success

- 1. End user examples: operating systems, servers, supercomputers, desktop, web, science tools, a lot of developer tools...
- 2. Corporation examples: Cygnus Solutions, Canonical Ltd. Red Hat, Mozilla Corporation, Qt Software, Sun Microsystems...

VIConclusion

- 1. Free Software is a way to make world better and may require some sacrifices.
- 2. Open Source is a quality guarantee.
- 3. It is possible to gain money and work for freedom.

Sources

- http://www.fsf.org/ Free Software Foundation
- http://www.opensource.org/ Open Source Initiative
- http://en.wikipedia.org/wiki/Portal: Free_software — Wikipedia Free Software Portal

Vocabulary

proprietary [prə'praiət(ə)ri] собственнический license 'lais(ə)nsлицензия ethical ['eθikəl] этичный