Licensing and Packaging FOSS with SPDX

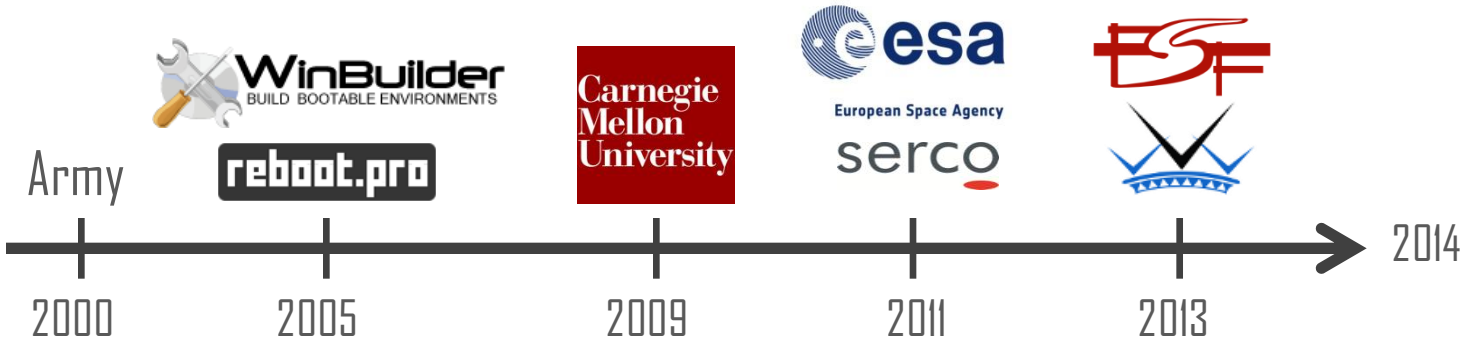
http://triplecheck.de

https://fosdem.org

Nuno Brito

Brussels, 2nd of February 2014

About Nuno



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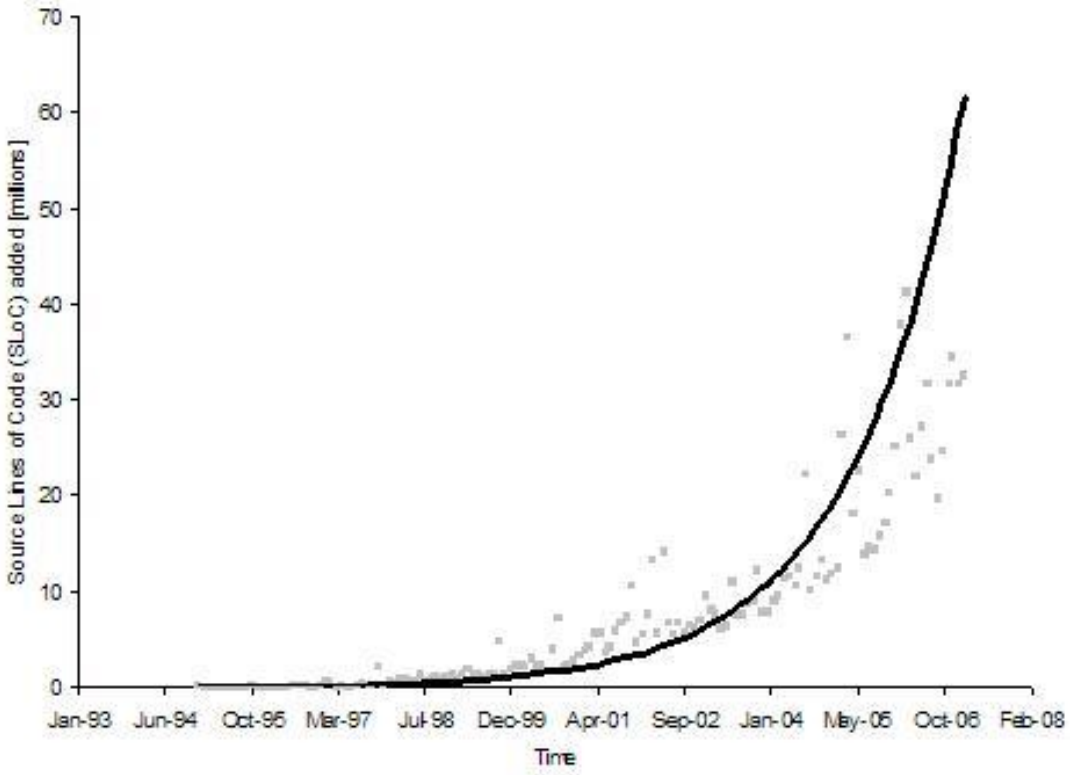
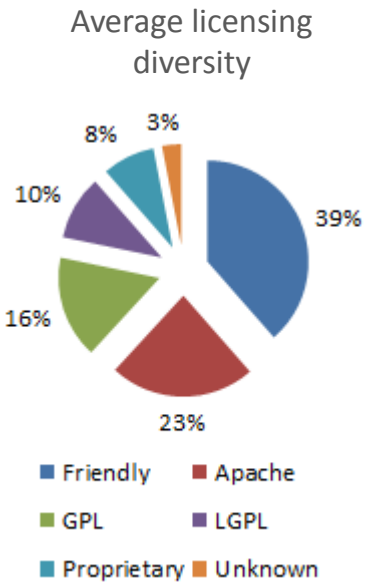
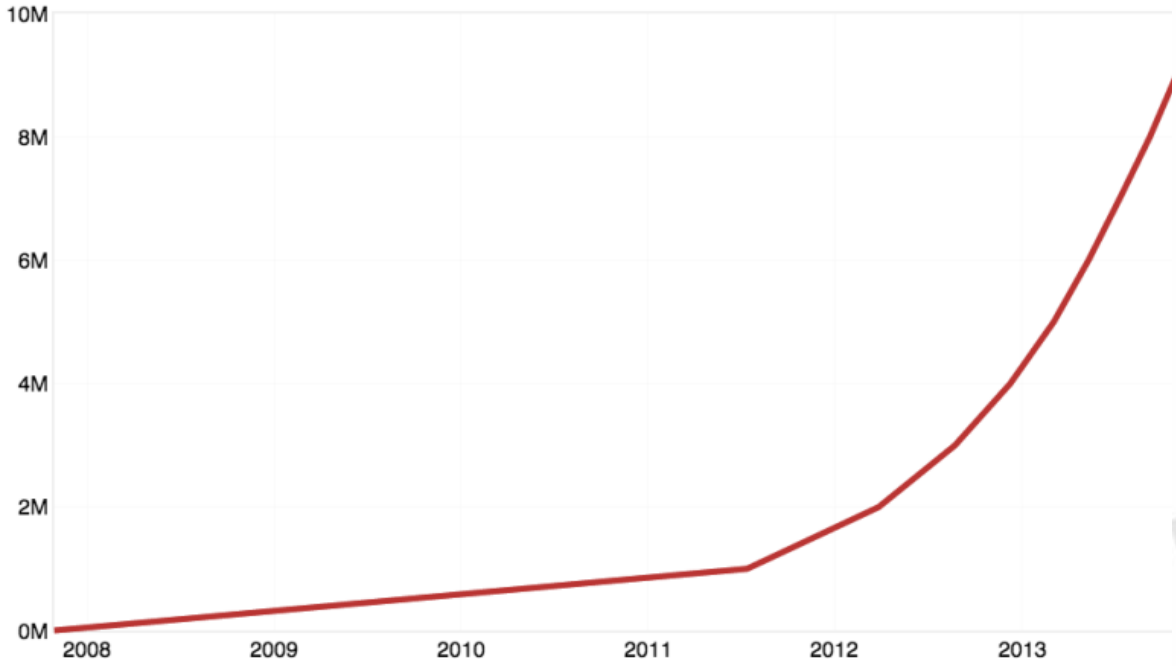
FOSS growth





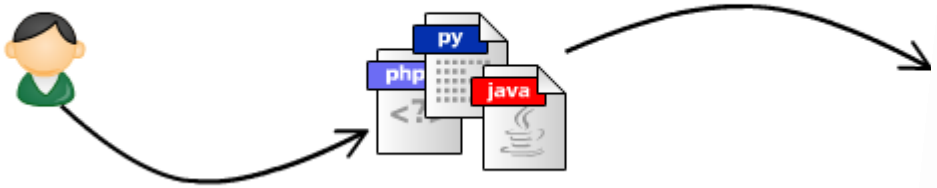
http://dirkriehle.com/publications/2008-2/the-total-growth-of-open-source/

Licenses?



http:// https://github.com/blog/1724-10-million-repositories
http://www.zdnet.com/github-improves-open-source-licensing-polices-7000018213/

Challenge?



You can reach the person managing th
legal-owner@lists.gpl-violat

When replying, please edit your Subje
than "Re: Contents of legal digest...

Today's Topics:

1. Possible GPL violation: Geogebra
2. Re: Possible GPL violation: Geog
3. Re: Possible GPL violation: Geoge
4. Re: Possible GPL violation: Geoge
5. Youtube link; discussion of #FOSS
(mc.martha)
6. Re: Possible GPL violation: Geogel

Groklaw

When you want to know more...

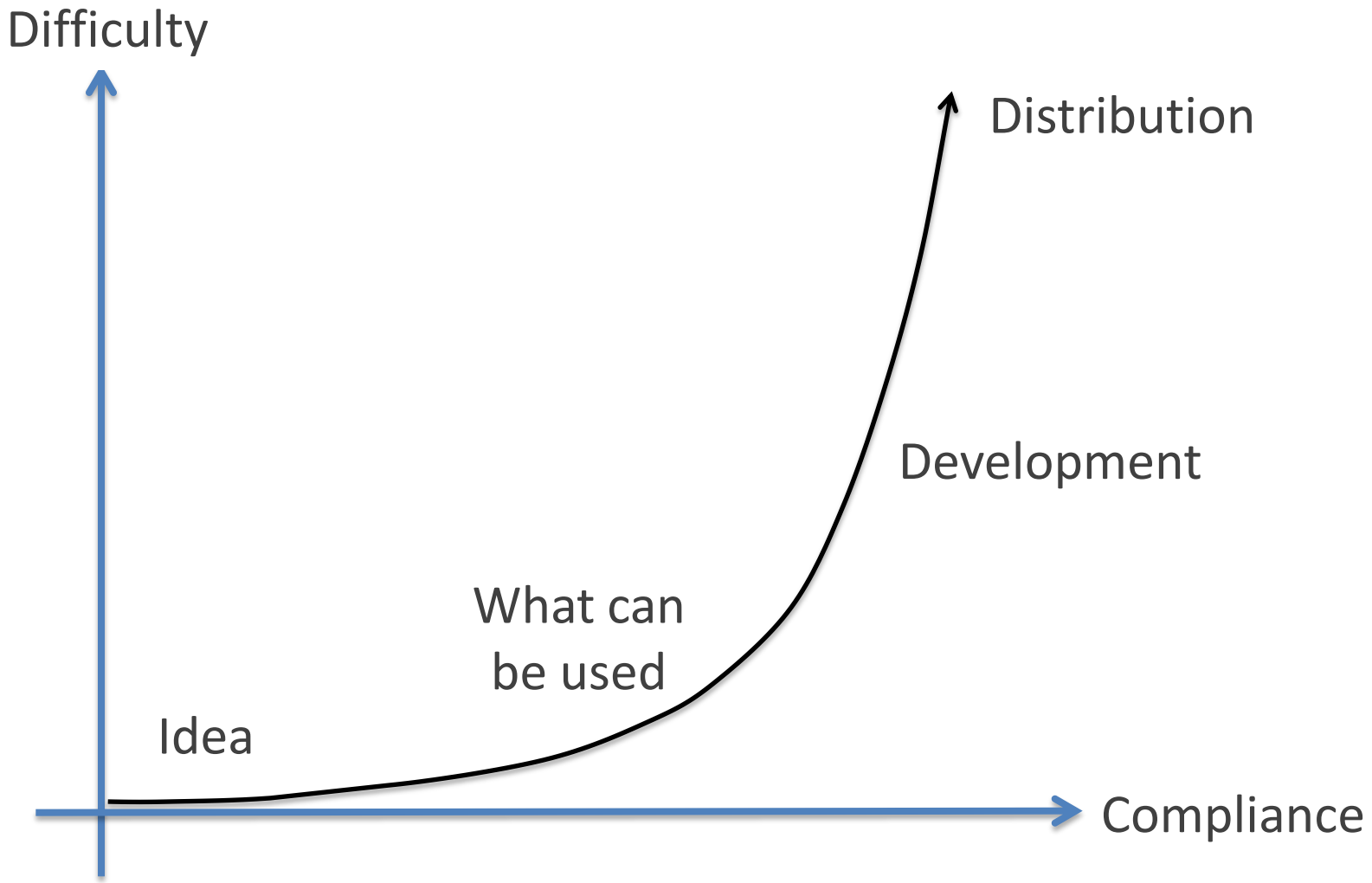
To read comments to this article, go here

BusyBox Developers, SFLC Sue Verizon for GPL Infringement - Updated 3Xs

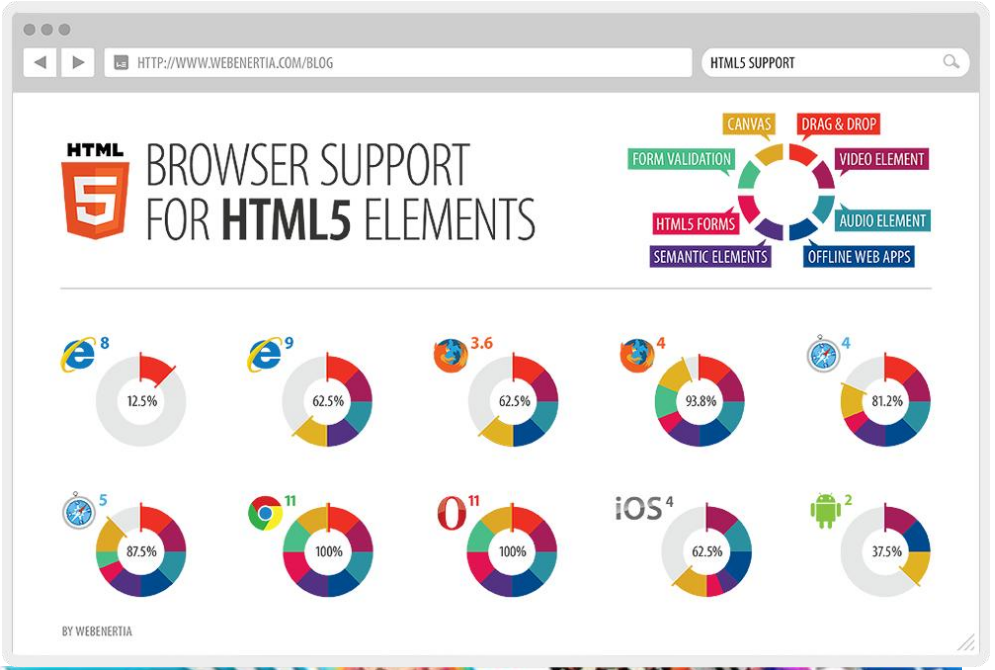
Friday, December 07 2007 @ 01:43 PM EST

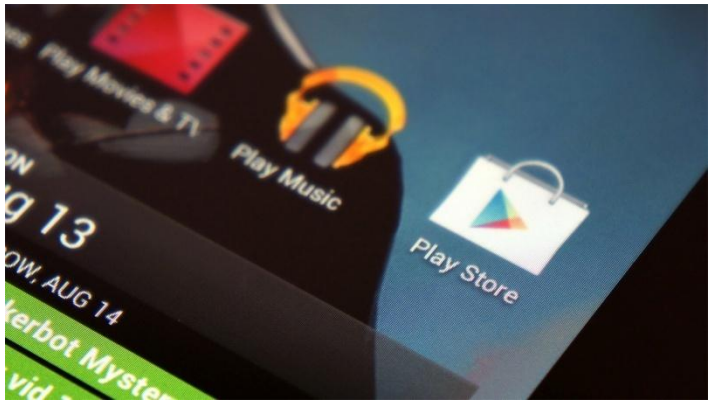
Hold on to your hats, ladies and gentlemen. Those busy BusyBox developers, Erik An
infringement. It's yet another case of alleged failure to provide source code. Here's t

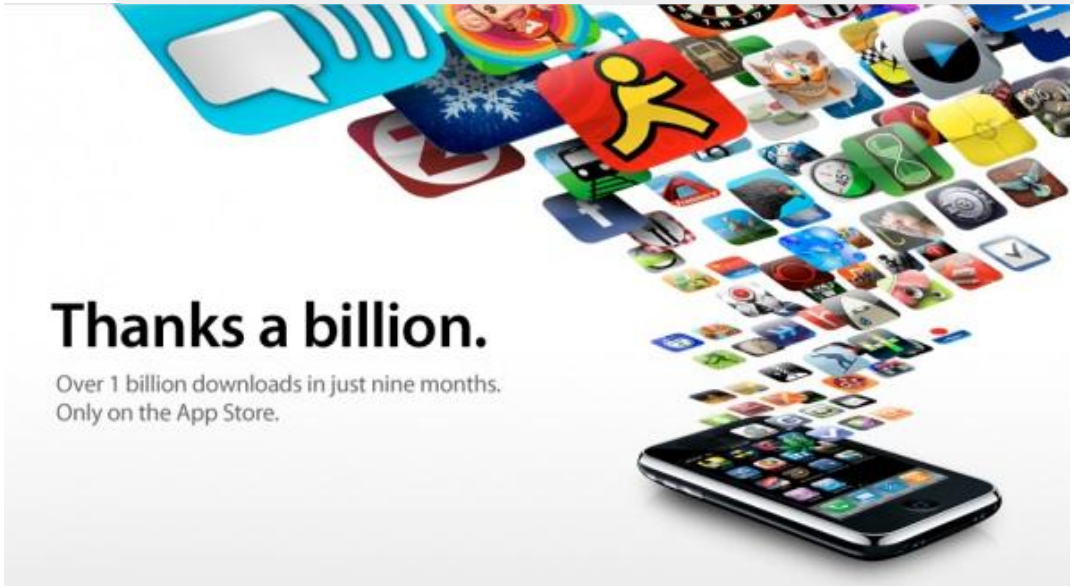
Compliance?


Difficulty
Distribution
Development
What can
be used
Idea
Compliance

Idea/start







http://www.fsf.org/blogs/licensing/more-about-the-app-store-gpl-enforcement

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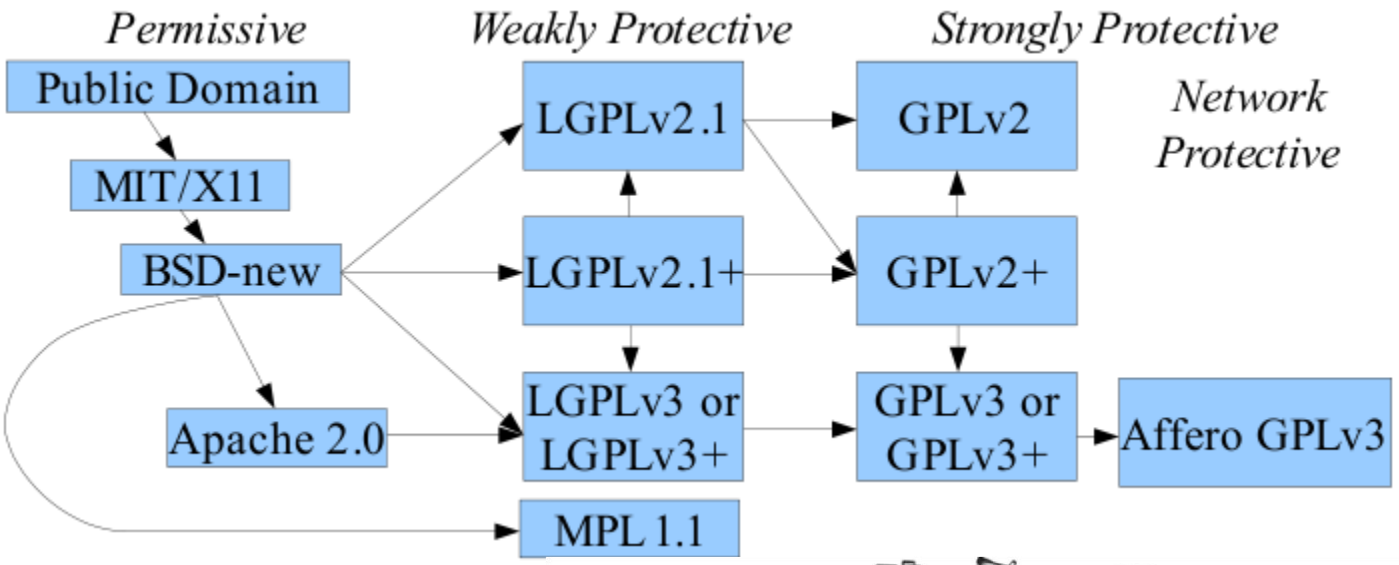
What to use?



WordPress.org

There is some legal grey area regarding what is considered a derivative work, but we feel strongly that plugins and themes are derivative work and thus inherit the GPL license. If you disagree, you might want to consider a non-GPL platform such as Serendipity (BSD license) or Habari (Apache license) instead.

http://wordpress.org/about/license/

redhat. LINUX

http://www.dwheeler.com/essays/floss-license-slide.html

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Development

4 Answers

29

To calculate the n-th prime, I know two main variants.

The straightforward way

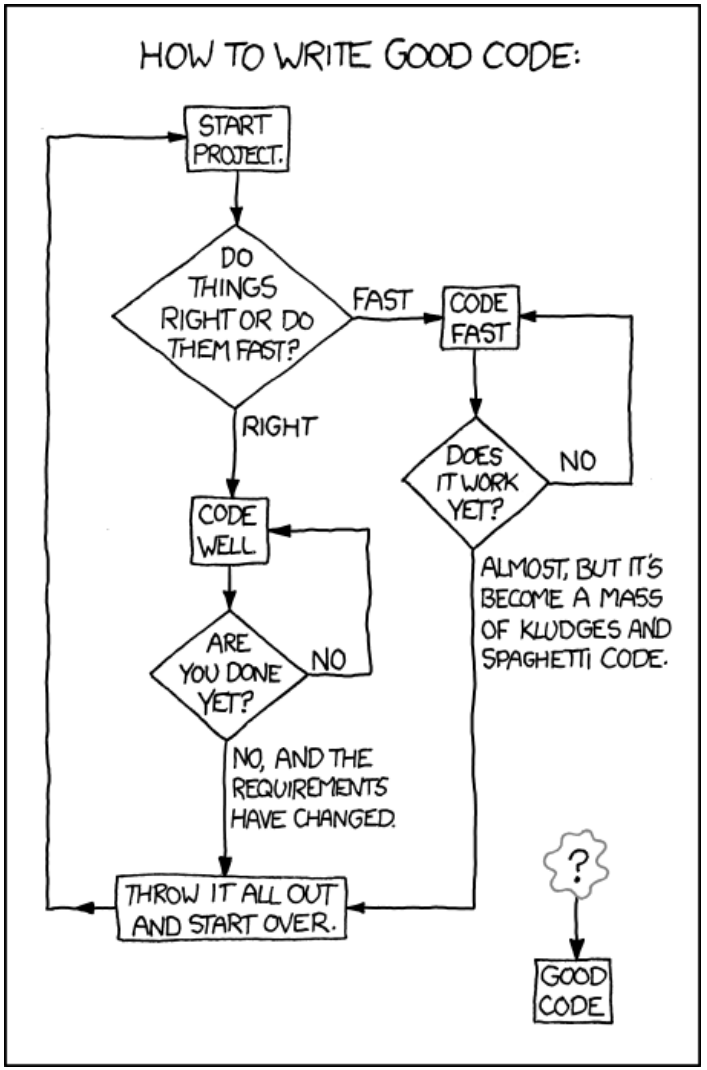
That is to count all the primes starting from 2 as you finc

This can be done with different levels of sophistication a different ways to do it. The first is

Testing the primality of all numbers in sequence

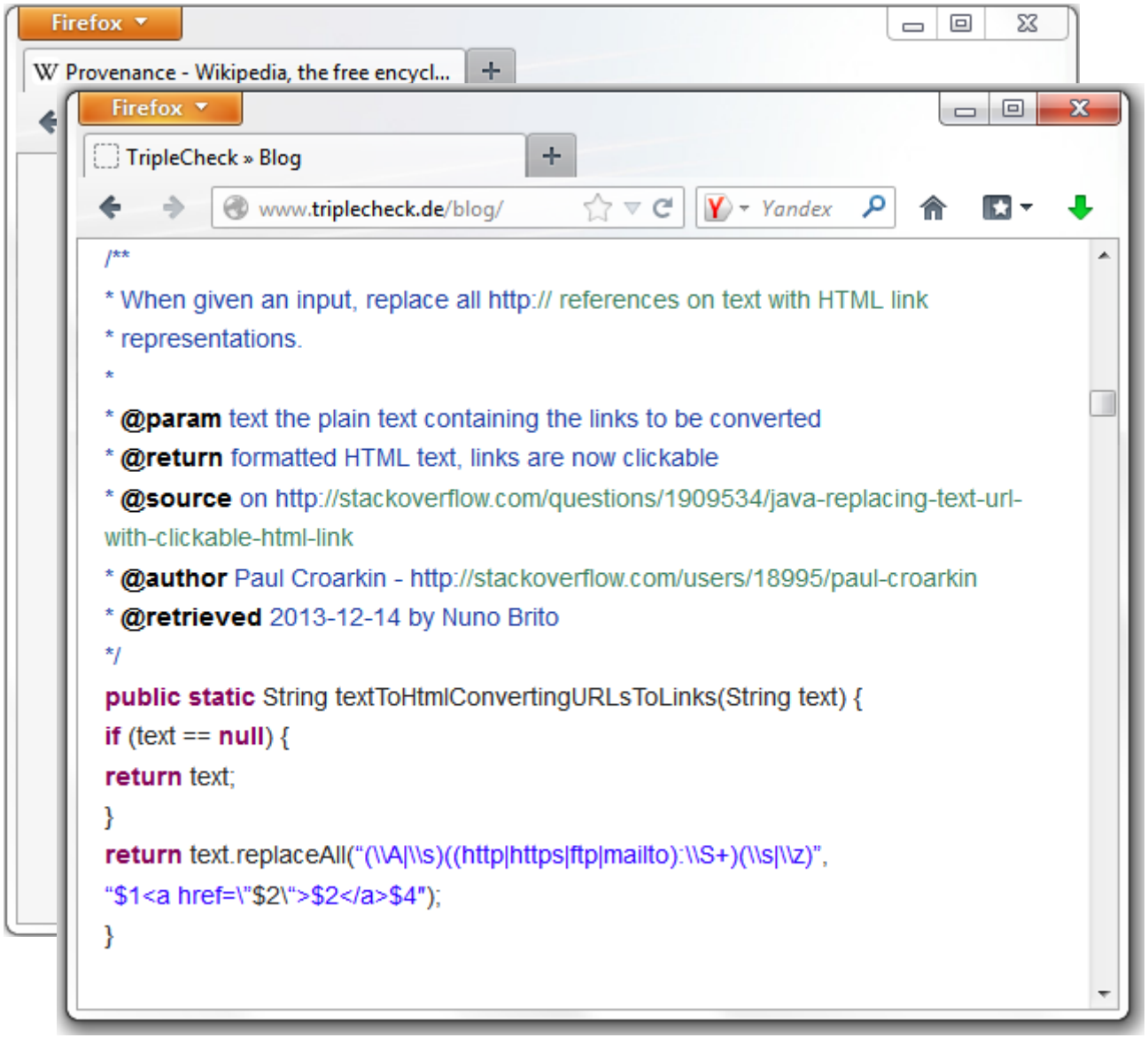
This would be accomplished by a driver function like

```
public static int nthPrime(int n) {
    int candidate, count;
    for(candidate = 2, count = 0; count < n
        if (isPrime(candidate)) {
            ++count;
        }
    }
    // The candidate has been incremented o
    return candidate-1;
}
```



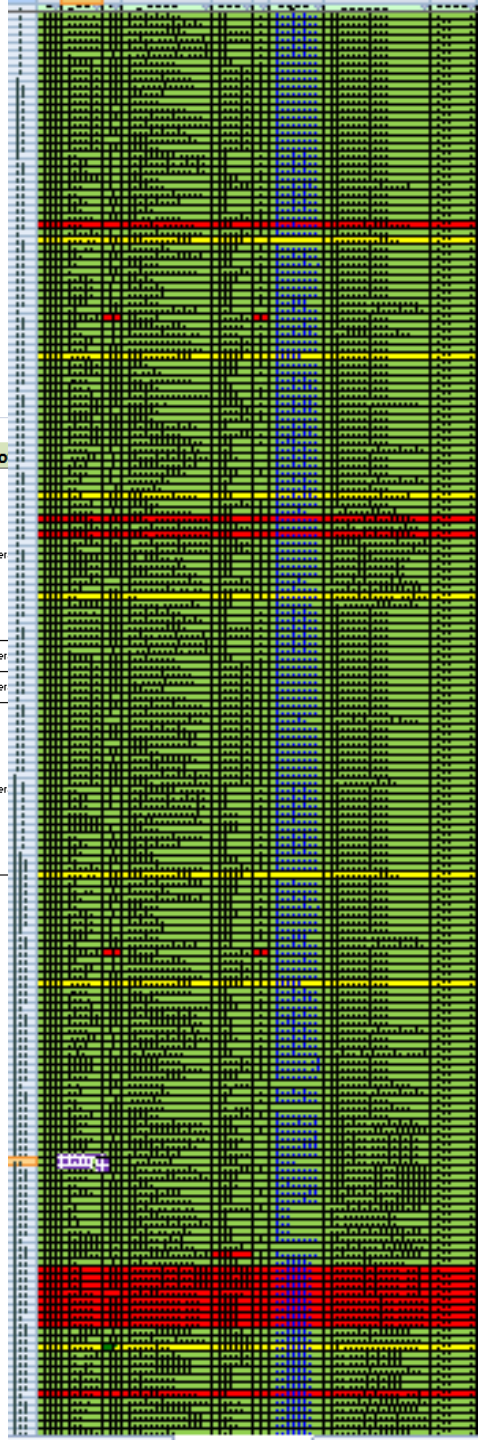
http://stackoverflow.com/questions/9625663/calculating-and-printing-the-nth-prime-number
http://xkcd.com/844/

Provenance


Firefox
Provenance - Wikipedia, the free encycl...
Firefox
TripleCheck » Blog
www.triplecheck.de/blog/
Yandex
/**
* When given an input, replace all http:// references on text with HTML link
* representations.
*
* @param text the plain text containing the links to be converted
* @return formatted HTML text, links are now clickable
* @source on http://stackoverflow.com/questions/1909534/java-replacing-text-url-with-clickable-html-link
* @author Paul Croarkin - http://stackoverflow.com/users/18995/paul-croarkin
* @retrieved 2013-12-14 by Nuno Brito
*/
public static String textToHtmlConvertingURLsToLinks(String text) {
if (text == null) {
return text;
}
return text.replaceAll("(\\A|\\s)((http|https|ftp|mailto):\\S+)(\\s|\\z)",
"$1$2$4");
}

Packaging

Name	Used Version	Link	License	Licence /IPR distribution Internal	External	No
VsFTPd	2.2.2.6	https://security.appspot.com/vsftpd.html	GPL v2			Oper
PostgreSQL	9,2	http://www.postgresql.org/	PostgreSQL			Oper
RabbitMQ	2.8.7	http://www.rabbitmq.com/	MPL v1.1			Oper
ClamAV	0.97.6	http://www.clamav.net/	GPL v2			Oper



Release

http://www.flickr.com/photos/jashaj/4441293706/

Compliance?

Discovery

log-12-WinRegistry.txt | log-14-mipsisa32.txt | log-15-outlook.txt | log-16-release.txt | log-17-test.txt

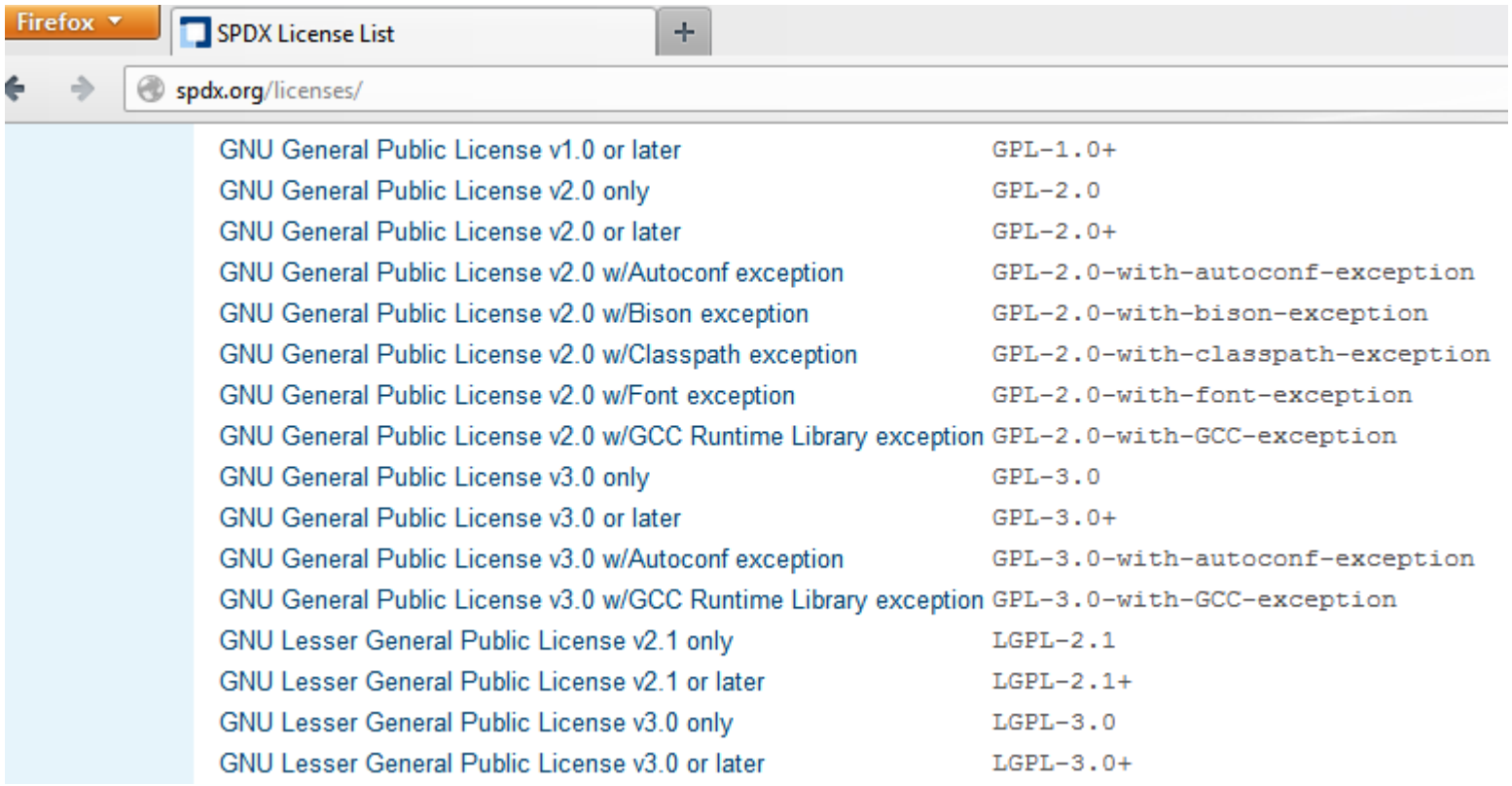
```
1  Nuno Brito. 2013-07-10
2  16:43 ~ 17:04
3
4  - Sample file is named "test.py", dated from 2009-01-29 and sized
   in 2273 bytes. It is presumably a source code file for Python.
5
6  - File was open with the text editor (notepad plus) and the header
   indicates the copyright due to Zope under the ZPL version 2.1 in 2004
7
8  - The script imports some dependencies:
9  -- from distutils.util import get_platform
10 -- from zope.testing import testrunner
11
12 - With the initial analysis done, time to find possible sources of
   reference on the Internet thought google.
13
14 - Adopted the comment inside the source code file: "Test script for
   running unit tests in a distribution root."
15
16 - Three entries for the SVN repository on the Zope URL
   (svn.zope.org) and one for a reference to a mailing list at
   http://marc.info
17
```

Standards

- 7z920.spdx
- accessbridge2_0_2.spdx
- busybox-1.21.1.spdx
- flyingsaucer-R8.spdx
- jfreechart-1.0.16.spdx
- JRE-1.6.spdx
- opencsv-2.3.spdx
- pdfbox-1.8.2.spdx
- presto-2013-11-07.spdx
- re7zip.spdx
- SidebarThreads.spdx
- src.spdx
- time-1.7.spdx
- winbuilder.spdx

```
##-------------------------
## Package Information
##-------------------------

PackageName: opencsv-2.3-src-with-libs.tar.gz
PackageFileName: opencsv-2.3-src-with-libs.tar.gz
PackageDownloadLocation: NOASSERTION
PackageVerificationCode: 0A910D4416C8AB0A848E8E06E
PackageChecksum: SHA1: 26A2E04944EC6A9FDB0E7752168
PackageLicenseConcluded: Apache-2.0
PackageLicenseDeclared: Apache-2.0
PackageLicenseInfoFromFiles: Apache-2.0
PackageCopyrightText: NOASSERTION



##-------------------------
## File Information
##-------------------------

FileName: .classpath
FileType: OTHER
FileChecksum: SHA1: 847FD532E452C5FD742B03942E1BF1
LicenseConcluded: NOASSERTION
```

Reference

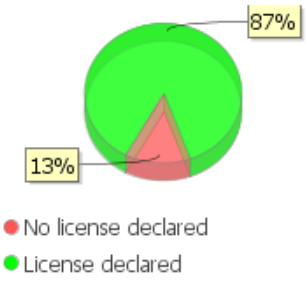


GNU General Public License v1.0 or later	GPL-1.0+
GNU General Public License v2.0 only	GPL-2.0
GNU General Public License v2.0 or later	GPL-2.0+
GNU General Public License v2.0 w/Autoconf exception	GPL-2.0-with-autoconf-exception
GNU General Public License v2.0 w/Bison exception	GPL-2.0-with-bison-exception
GNU General Public License v2.0 w/Classpath exception	GPL-2.0-with-classpath-exception
GNU General Public License v2.0 w/Font exception	GPL-2.0-with-font-exception
GNU General Public License v2.0 w/GCC Runtime Library exception	GPL-2.0-with-GCC-exception
GNU General Public License v3.0 only	GPL-3.0
GNU General Public License v3.0 or later	GPL-3.0+
GNU General Public License v3.0 w/Autoconf exception	GPL-3.0-with-autoconf-exception
GNU General Public License v3.0 w/GCC Runtime Library exception	GPL-3.0-with-GCC-exception
GNU Lesser General Public License v2.1 only	LGPL-2.1
GNU Lesser General Public License v2.1 or later	LGPL-2.1+
GNU Lesser General Public License v3.0 only	LGPL-3.0
GNU Lesser General Public License v3.0 or later	LGPL-3.0+

Data sharing

jfreechart-1.0.17.tar.gz

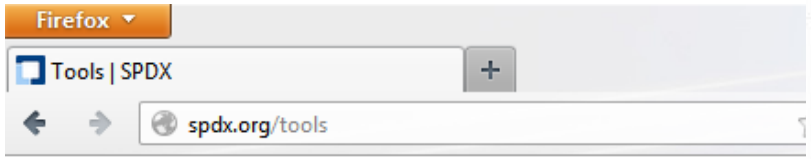
1147 files inside the package
994 files with declared licenses



MyEditor.java | jfreechart-1.0.17.tar.gz.spdx

```
17  ## Package Information
18  ##------------------------
19
20  PackageName: jfreechart-1.0.17.tar.gz
21  PackageFileName: jfreechart-1.0.17.tar.gz
22  PackageDownloadLocation: NOASSERTION
23  PackageLicenseConcluded: NOASSERTION
24
25  ##------------------------
26  ## File Information
27  ##------------------------
28
29
30  ## File
31
32  FileName: ./jfreechart-1.0.17/jfreechart-1.0.17-demo.jar
33  FileType: OTHER
34  FileChecksum: SHA1: 580d2b5c99c715b8cfee6eeb3825bee65f29455
35  FileChecksum: SHA256: 0ff0c95cbb4d288f541c82db7623a237e3a0f
36  FileChecksum: MD5: ae1dc5c6086ce487857ad7a6183cc725
37  FileChecksum: SSDEEP: 12288:8idVxJdeQwgrwt6V56ViGQ6o6LxiUR8
38  FileSize: 824 Kb (844423 bytes)
39
```

Tooling



Community-Maintained Tools

FOSSology+SPDX

The FOSSology+SPDX project is built using the FOSSology project.
SPDX standard. Existing modules include creating an SPDX file in TA
format. The project and was created and is hosted at the University
Apache License 2.0 (Apache-2.0).

SPDX Workgroup Tools

SPDX Compare Utility

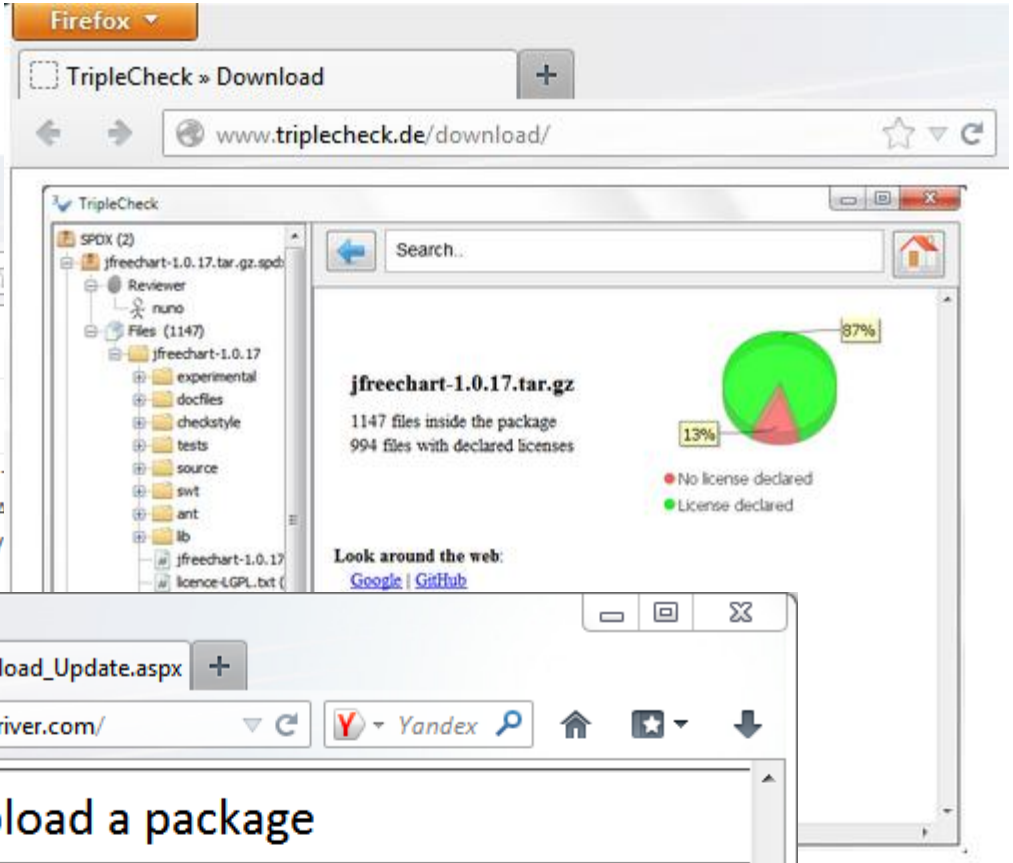
Comares two SPDX RDF documents

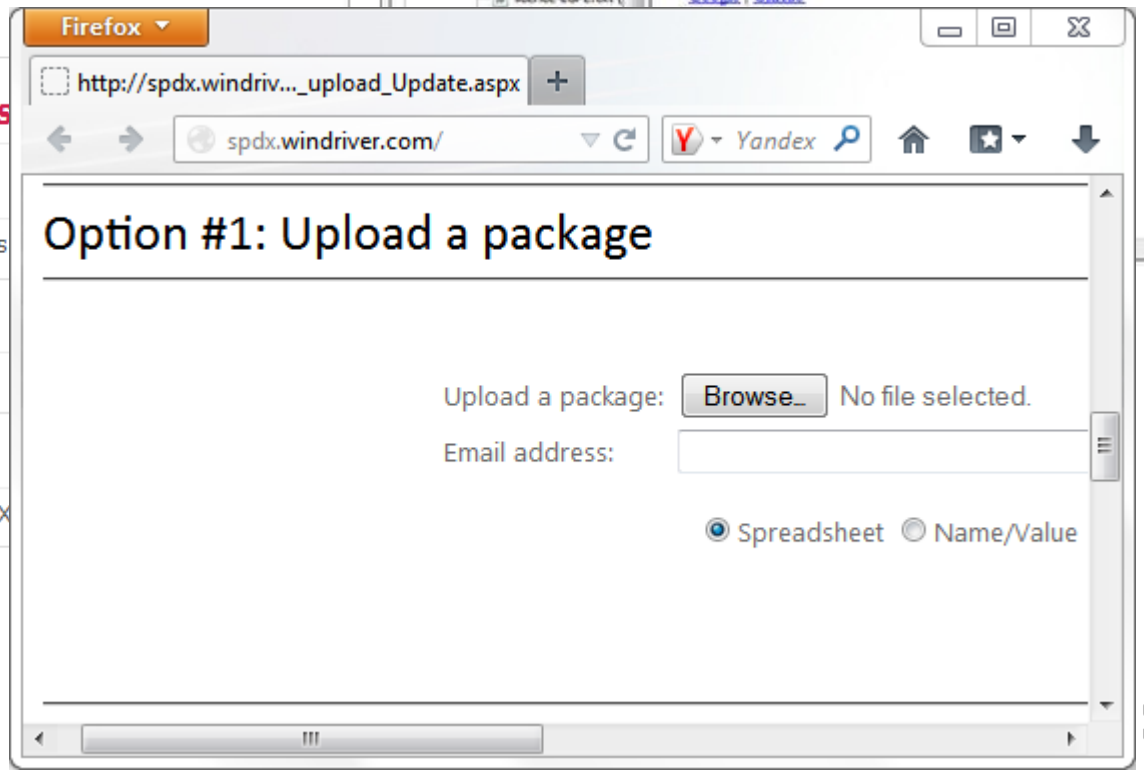
License RDFa Generator

Create a set of HTML files

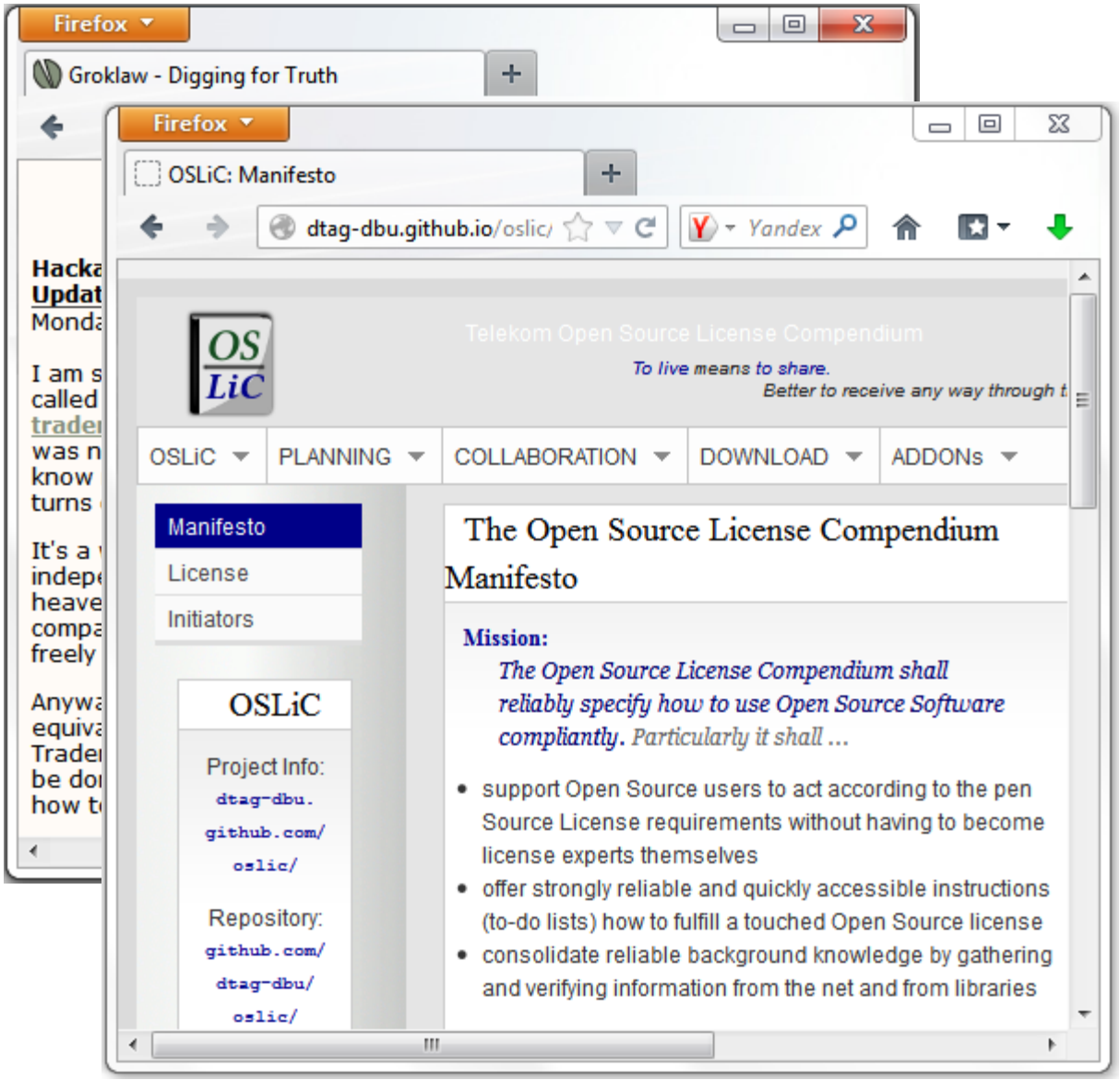
RDF to HTML Pretty Printer

Creates an HTML page from a SPDX





Reading


Firefox
Groklaw - Digging for Truth
Firefox
OSLiC: Manifesto
dtag-dbu.github.io/oslic/
Yandex
Telekom Open Source License Compendium
To live means to share.
Better to receive any way through t
OSLiC
PLANNING
COLLABORATION
DOWNLOAD
ADDONs
Manifesto
License
Initiators
OSLiC
Project Info:
dtag-dbu.github.com/oslic/
Repository:
github.com/dtag-dbu/oslic/
The Open Source License Compendium
Manifesto
Mission:
The Open Source License Compendium shall reliably specify how to use Open Source Software compliantly. Particularly it shall ...
support Open Source users to act according to the pen Source License requirements without having to become license experts themselves
offer strongly reliable and quickly accessible instructions (to-do lists) how to fulfill a touched Open Source license
consolidate reliable background knowledge by gathering and verifying information from the net and from libraries

Quiz time

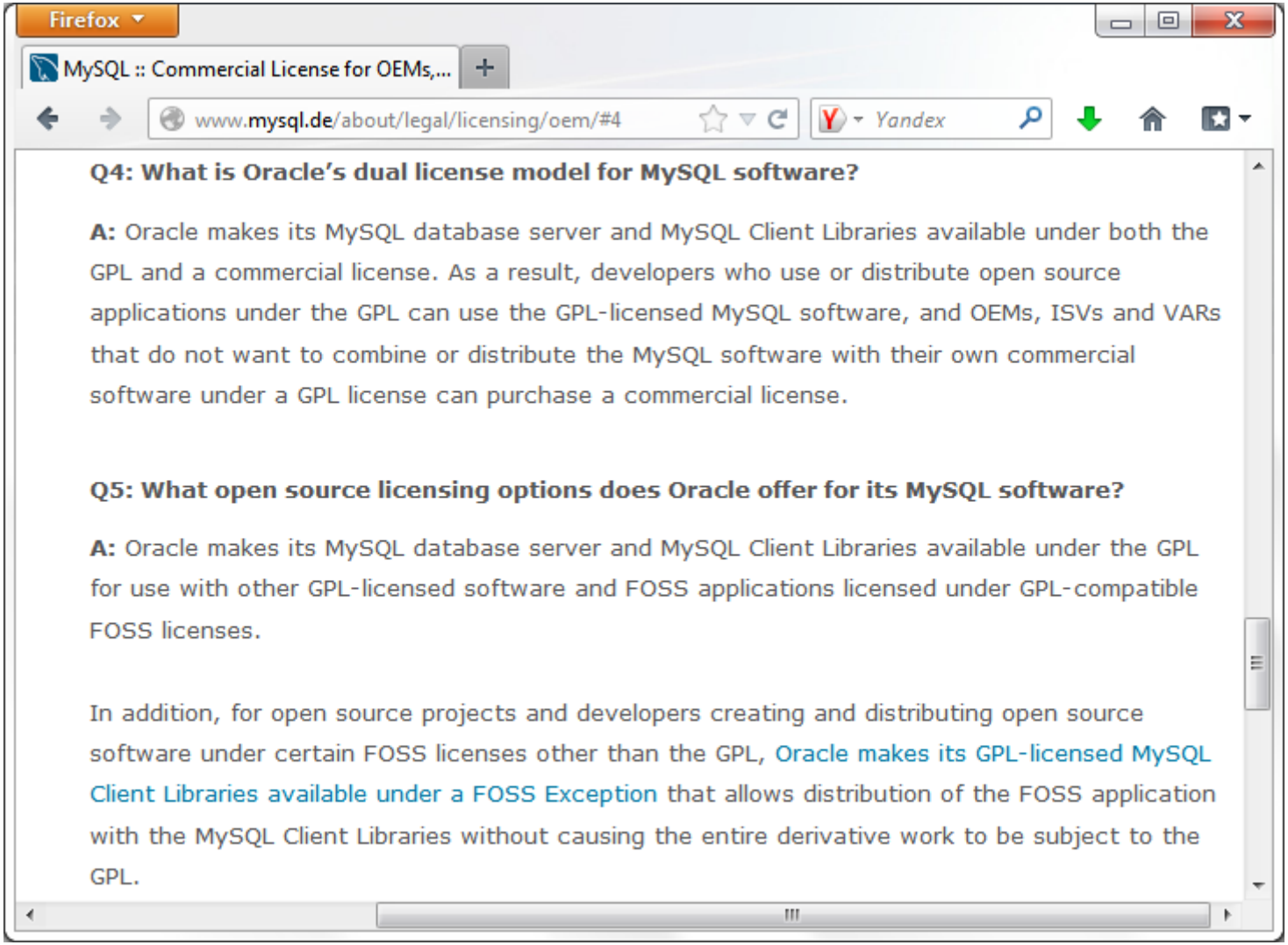
http://www.simpsoncrazy.com/pictures/homer

Quiz #1

MySQL

1. Applicable license tems?
2. Implications?

Quiz #1



Q4: What is Oracle's dual license model for MySQL software?

A: Oracle makes its MySQL database server and MySQL Client Libraries available under both the GPL and a commercial license. As a result, developers who use or distribute open source applications under the GPL can use the GPL-licensed MySQL software, and OEMs, ISVs and VARs that do not want to combine or distribute the MySQL software with their own commercial software under a GPL license can purchase a commercial license.

Q5: What open source licensing options does Oracle offer for its MySQL software?

A: Oracle makes its MySQL database server and MySQL Client Libraries available under the GPL for use with other GPL-licensed software and FOSS applications licensed under GPL-compatible FOSS licenses.

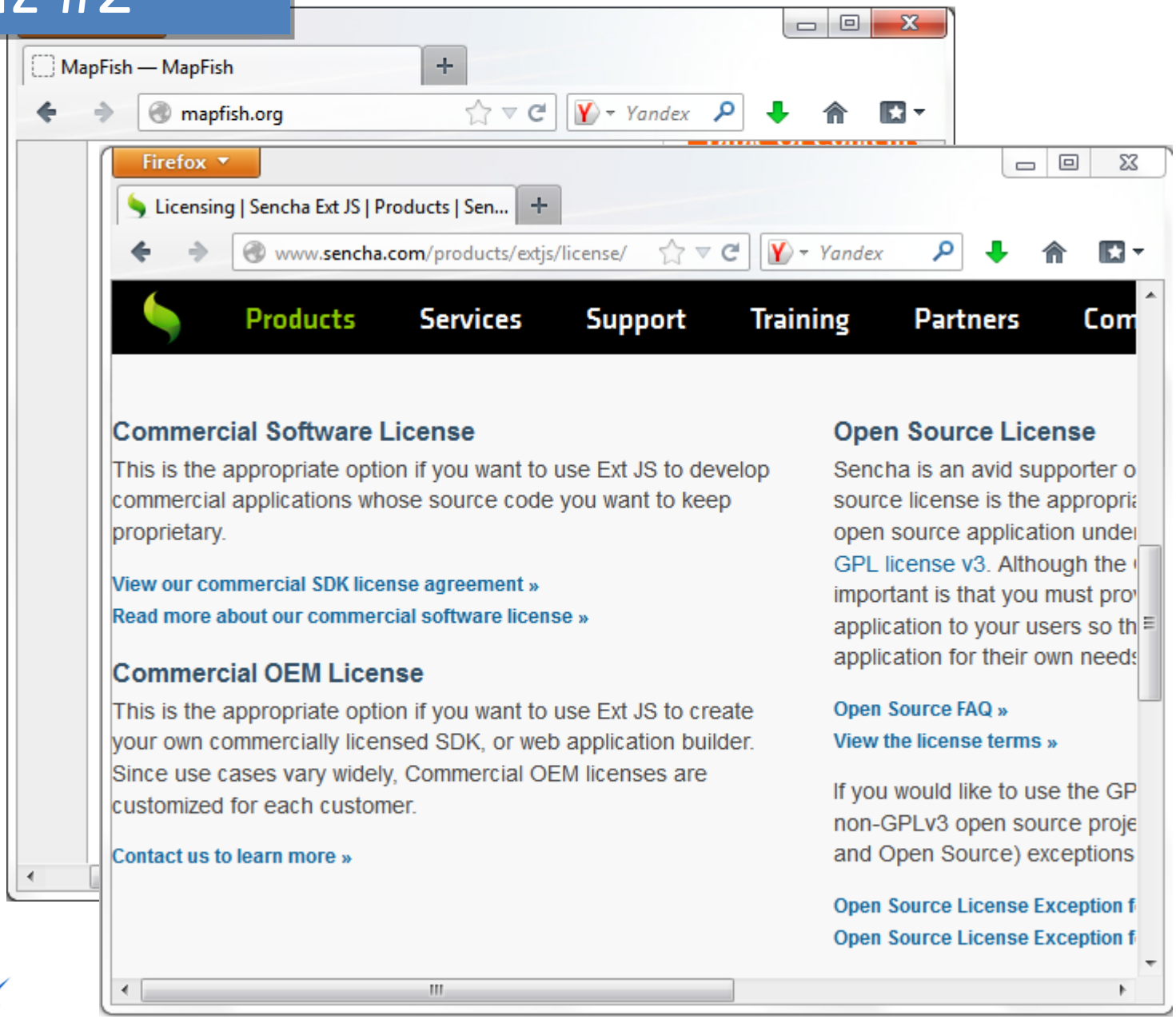
In addition, for open source projects and developers creating and distributing open source software under certain FOSS licenses other than the GPL, Oracle makes its GPL-licensed MySQL Client Libraries available under a FOSS Exception that allows distribution of the FOSS application with the MySQL Client Libraries without causing the entire derivative work to be subject to the GPL.

Quiz #2

MapFish

1. Applicable license tems?
2. Notice anything special?

Quiz #2


MapFish — MapFish
mapfish.org
Yandex
Firefox
Licensing | Sencha Ext JS | Products | Sen...
www.sencha.com/products/extjs/license/
Yandex
Products
Services
Support
Training
Partners
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This is the appropriate option if you want to use Ext JS to develop commercial applications whose source code you want to keep proprietary.
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Read more about our commercial software license »
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This is the appropriate option if you want to use Ext JS to create your own commercially licensed SDK, or web application builder. Since use cases vary widely, Commercial OEM licenses are customized for each customer.
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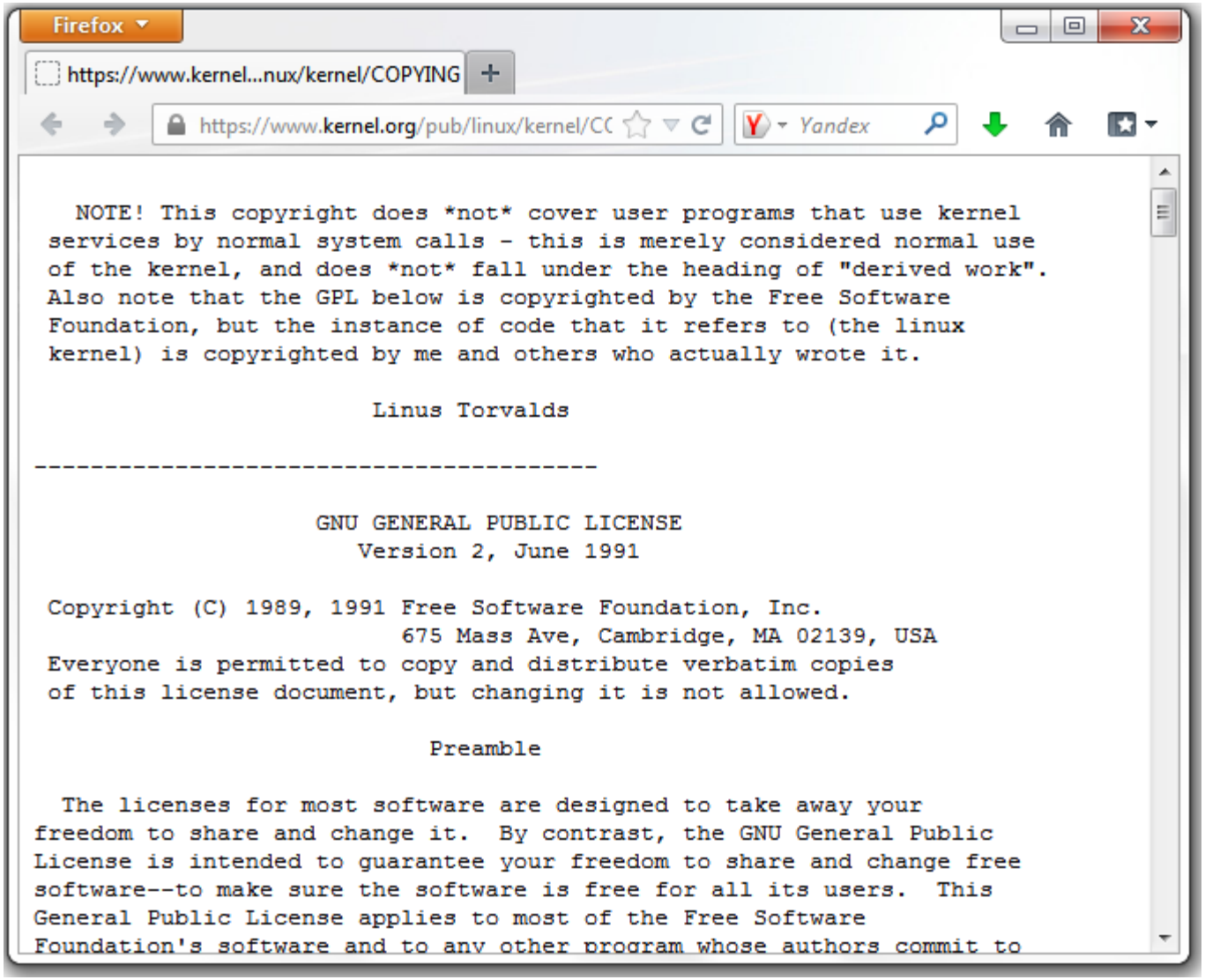
Open Source License
Open Source FAQ »
View the license terms »

Quiz #3

Linux (Kernel)

1. Appplicable license tems?
2. What is user land?

Quiz #3




```
  NOTE! This copyright does *not* cover user programs that use kernel
 services by normal system calls - this is merely considered normal use
 of the kernel, and does *not* fall under the heading of "derived work".
 Also note that the GPL below is copyrighted by the Free Software
 Foundation, but the instance of code that it refers to (the linux
 kernel) is copyrighted by me and others who actually wrote it.

                         Linus Torvalds

----------------------------------------

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                       Version 2, June 1991

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                              Preamble

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freedom to share and change it.  By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users.  This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
```
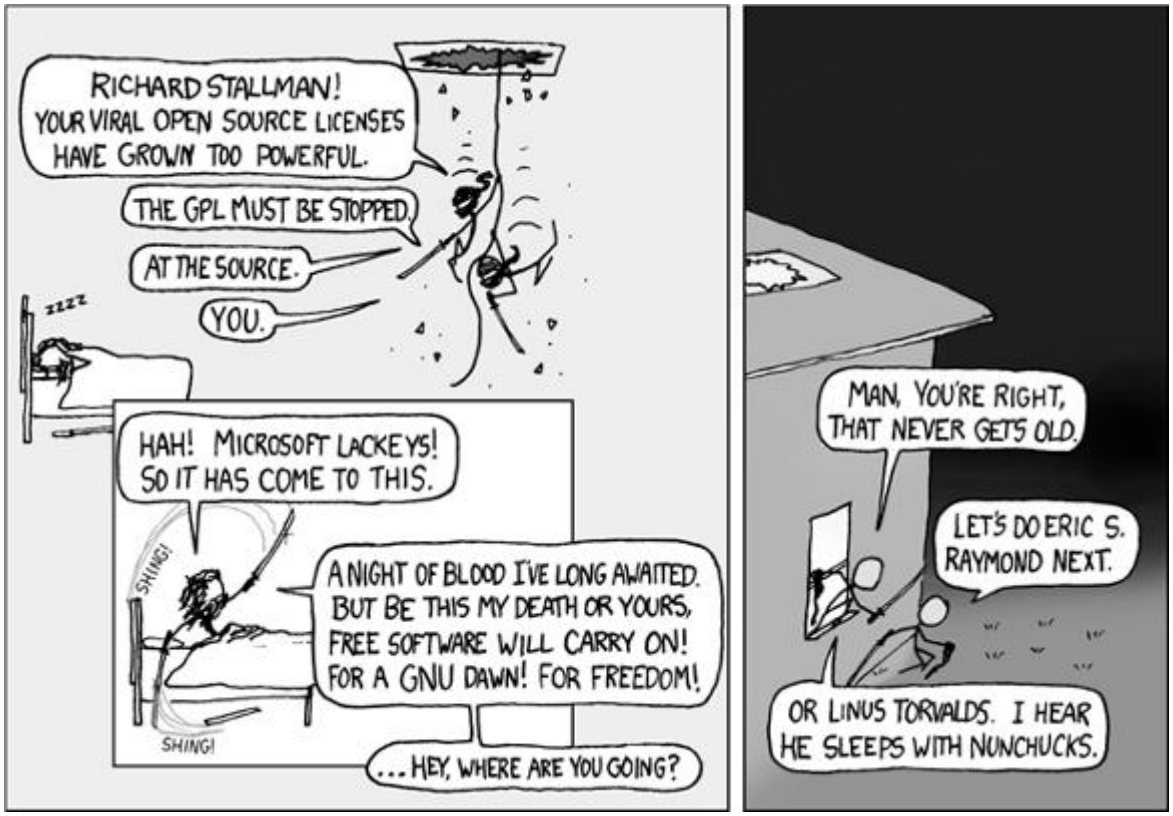

Questions?

Thank you!

Feedback or questions not answered today?

nuno.brito@triplecheck.de



http://xkcd.com/225/