

# GIT

## INTRODUCTION

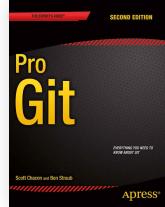
### PART I

Created by **Luis Ibanez** / [@luisibanez](#), modified by **Moorthy** / [@mskmoorthy](#) and **Wesley Turner** / [@wdturner](#)



Git Introduction by Luis Ibanez (original author), modified by Moorthy and Wes Turner is licensed under a **Creative Commons Attribution 3.0 Unported License**.

# READING MATERIAL



**PRO GIT**

BY SCOTT CHACON AND BEN STRAUB

Chapters 1 - 3.3 and 4.3

INSTALL GIT  
INSTRUCTIONS HERE

# GLOBAL CONFIGURATION

## AUTHOR INFORMATION

```
git config --global user.name "mskmoorthy"  
git config --global user.email mskmoorthy@gmail.com
```

# GLOBAL CONFIGURATION

## COLOR PREFERENCES

```
git config --global color.ui "auto"
```

# CHECK CONFIGURATION

```
git config --global --list
```

# GENERATING SSH-KEY

- Retains the global configuration
- No need to type your password each time
- Go to top right corner of your github page - select settings
- Select ssh keys from your left column menu

# GENERATING A NEW SSH KEY

## ssh-key

```
ssh-keygen -t rsa -b 4096 -C "your_email@example.com"
# Creates a new ssh key, using the provided email as a label
Generating public/private rsa key pair.
```

# GENERATING A NEW SSH KEY (CONTD)

## ssh-key

```
Enter a file in which to save the key (/Users/you/.ssh/id_rsa): [Press enter]  
Enter passphrase (empty for no passphrase): [Type a passphrase]  
Enter same passphrase again: [Type passphrase again]
```

# GENERATING A NEW SSH KEY (CONTD)

## **ssh-key addition to your github account**

```
cd .ssh
```

- Copy the contents of id\_rsa.pub to your clipboard
- In your github page, click new ssh key
- In the "Title" field, add a descriptive label for the new key.  
For example, if you're using a personal Mac, you might call this key "ubuntulinexopensource".
- Paste your key into the "Key" field.

# CHECK WHETHER YOUR SSH KEYS HAVE BEEN ENTERED PROPERLY

```
ssh -T git@github.com
```

# CREATE DIRECTORY

- Make new directory "exercise01"
- Change into new directory "exercise01"

# CREATE DIRECTORY

```
mkdir exercise01
```

```
cd exercise01
```

# CREATE LOCAL GIT REPOSITORY

- Initialize local Repository

# CREATE LOCAL GIT REPOSITORY

```
git init
```

# EDIT NEW FILE

```
vim README.md
```

# EDIT NEW FILE

A screenshot of a VIM editor window titled "README.md (~/Documents/S...Exercises/exercise01) - VIM". The window has a dark background and a light-colored text area. The text area contains the following content:

```
1 This is a new file.
```

The status bar at the bottom shows the file name "README.md", the line count "1,19", and the word count "All".

# EDIT NEW FILE

## VIM COMMANDS

```
i  
This is a new file  
ESC  
:wq
```

# EDIT NEW FILE

## VIM COMMANDS

- i = insert mode
- ...write something...
- ESC = command mode
- :wq = write and quit

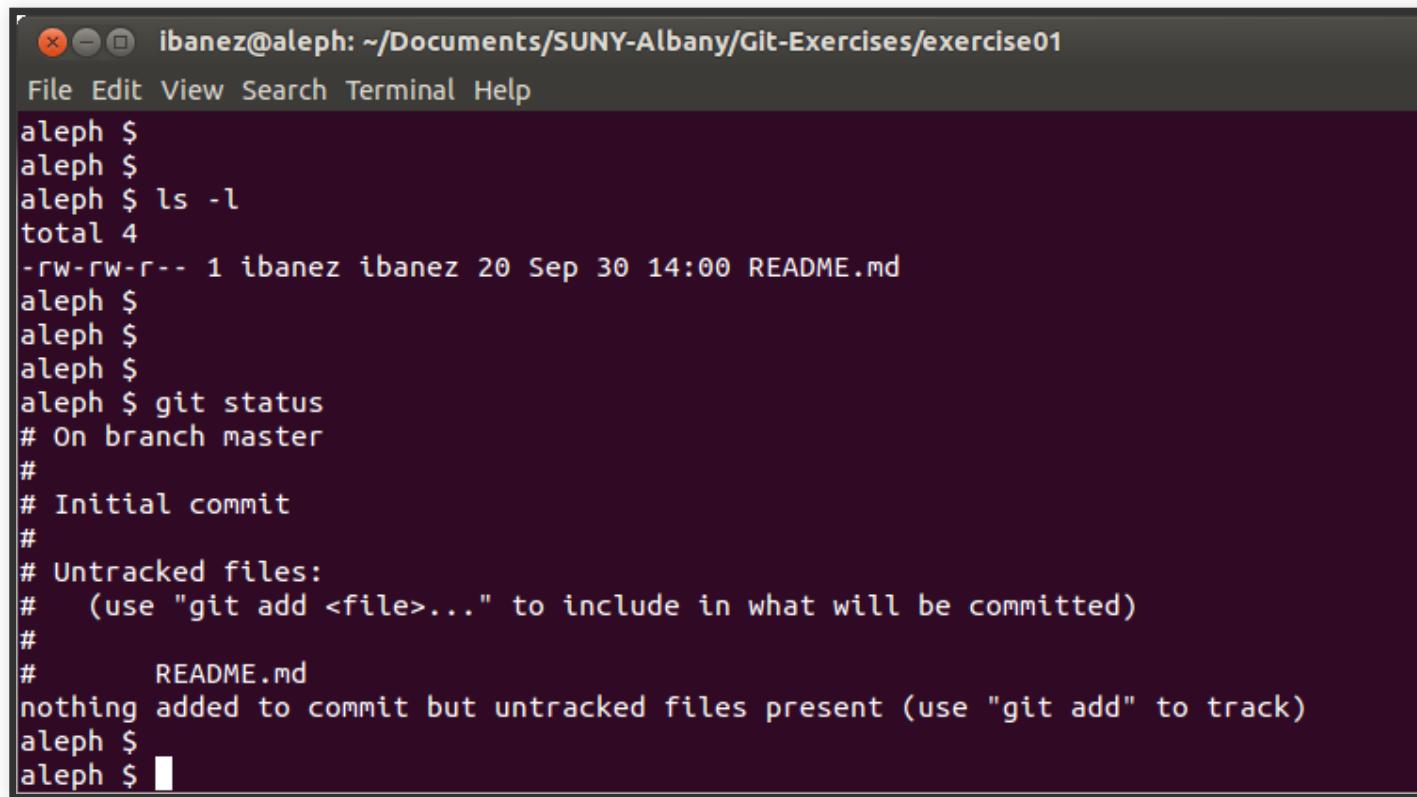
# WHAT IS GOING ON?

```
ls -l
```

# WHAT IS GOING ON?

```
git status
```

# WHAT IS GOING ON?



A screenshot of a terminal window titled "ibanez@aleph: ~/Documents/SUNY-Albany/Git-Exercises/exercise01". The window shows the following command-line session:

```
File Edit View Search Terminal Help
aleph $ 
aleph $ 
aleph $ ls -l
total 4
-rw-rw-r-- 1 ibanez ibanez 20 Sep 30 14:00 README.md
aleph $ 
aleph $ 
aleph $ 
aleph $ git status
# On branch master
#
# Initial commit
#
# Untracked files:
#   (use "git add <file>..." to include in what will be committed)
#
#       README.md
nothing added to commit but untracked files present (use "git add" to track)
aleph $ 
```

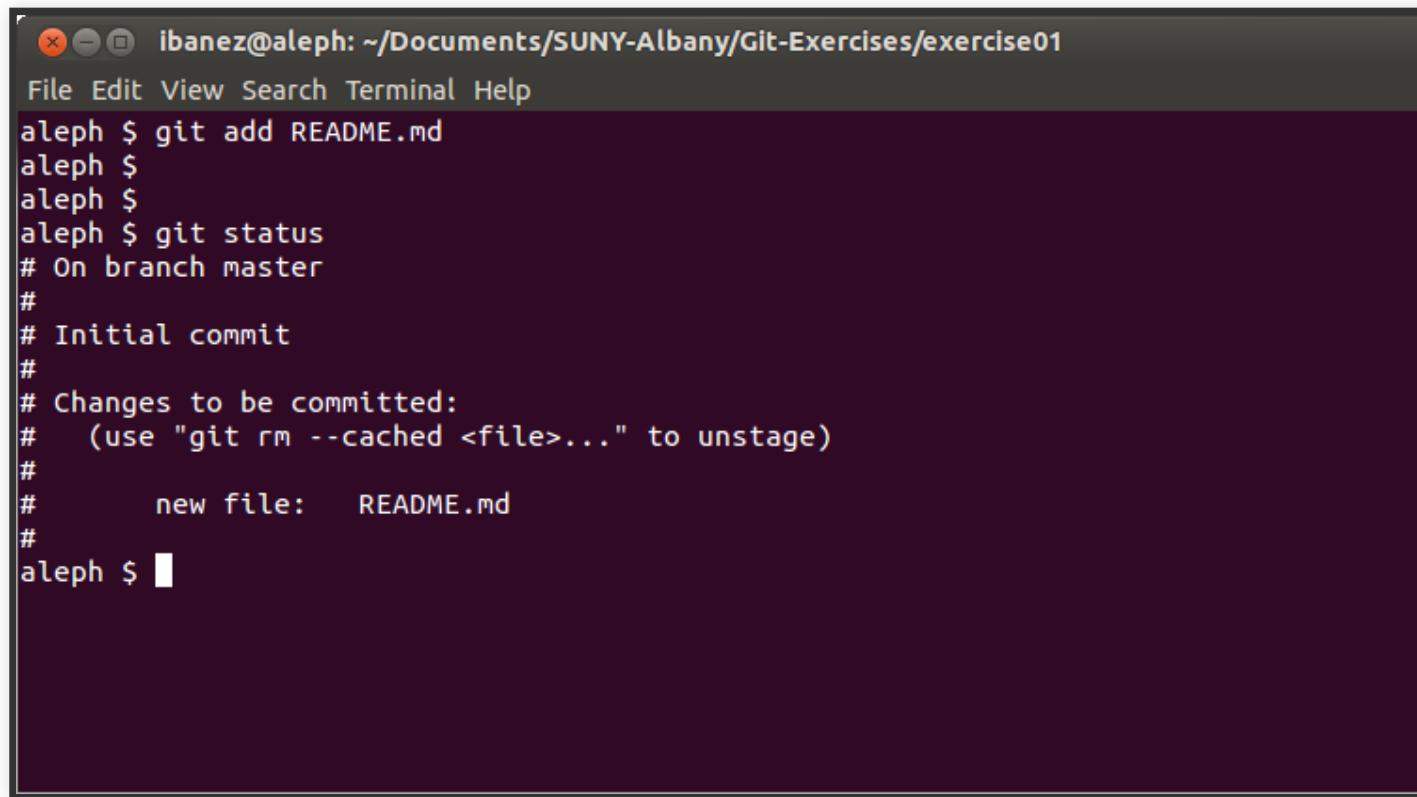
# ADD FILE TO REPOSITORY

```
git add README.md
```

# WHAT IS GOING ON?

```
git status
```

# WHAT IS GOING ON?



A screenshot of a terminal window titled "ibanez@aleph: ~/Documents/SUNY-Albany/Git-Exercises/exercise01". The window shows a sequence of commands being run:

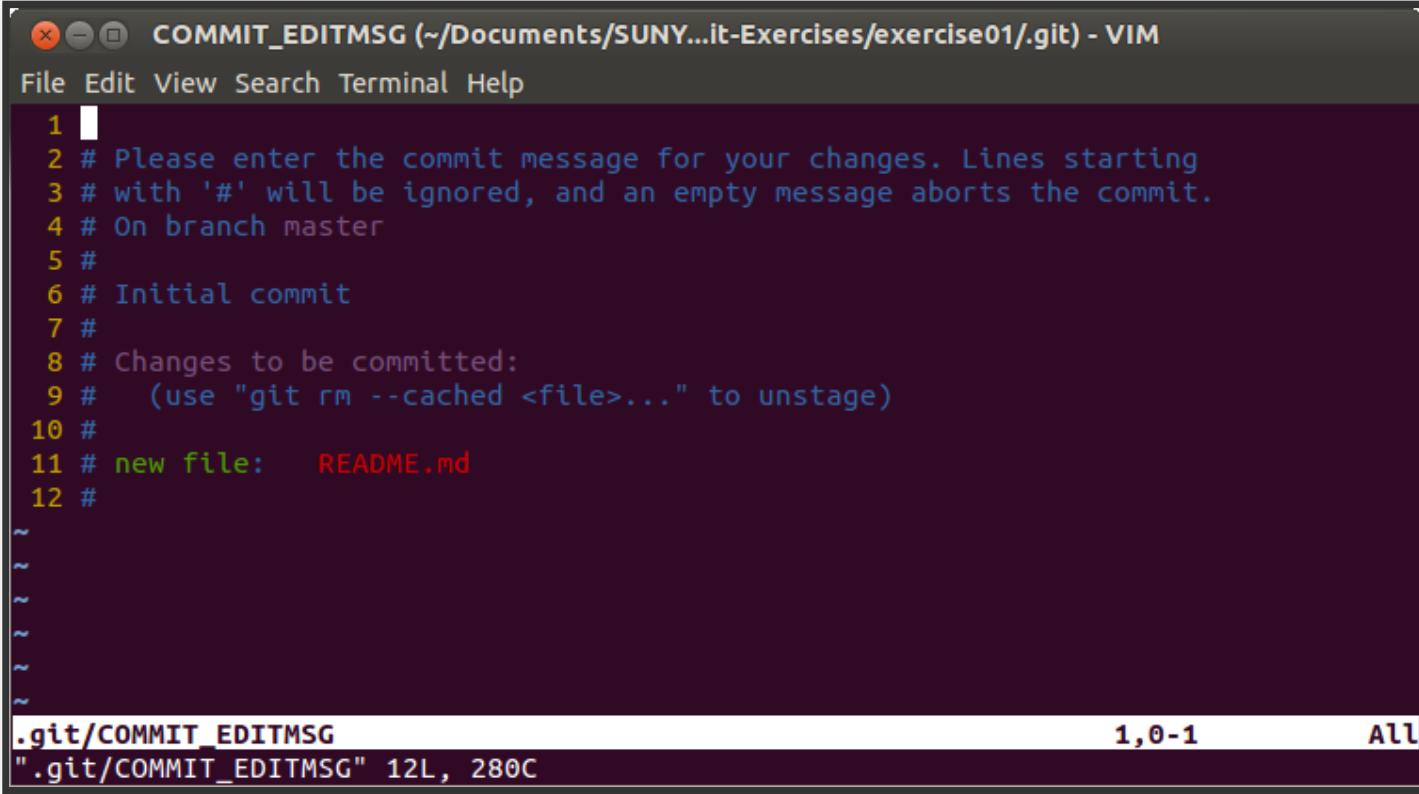
```
File Edit View Search Terminal Help
aleph $ git add README.md
aleph $
aleph $
aleph $ git status
# On branch master
#
# Initial commit
#
# Changes to be committed:
#   (use "git rm --cached <file>..." to unstage)
#
#       new file:   README.md
#
aleph $ █
```

The terminal window has a dark background and light-colored text. The cursor is at the bottom of the command line.

# COMMIT FILE INTO REPOSITORY

```
git commit
```

# EDITOR SHOULD OPEN



A screenshot of a VIM editor window titled "COMMIT\_EDITMSG (~/Documents/SUNY...it-Exercises/exercise01/.git) - VIM". The window shows a template for a git commit message. The text is color-coded: numbers (1-12) are blue, hash symbols (#) are yellow, and file names (README.md) are red. The message starts with instructions for entering the commit message, specifies the branch as "master", and lists an initial commit. It then asks for changes to be committed and provides a command to unstage files. A new file named "README.md" is listed. The bottom status bar shows the file name ".git/COMMIT\_EDITMSG", the line count "12L", the character count "280C", the current line "1,0-1", and the word "All".

```
1 #
2 # Please enter the commit message for your changes. Lines starting
3 # with '#' will be ignored, and an empty message aborts the commit.
4 # On branch master
5 #
6 # Initial commit
7 #
8 # Changes to be committed:
9 #   (use "git rm --cached <file>..." to unstage)
10 #
11 # new file: README.md
12 #

~
~
~
~
~
~

.git/COMMIT_EDITMSG                                1,0-1          All
".git/COMMIT_EDITMSG" 12L, 280C
```

# WRITE COMMIT MESSAGE

## IT SHOULD LOOK LIKE AN EMAIL

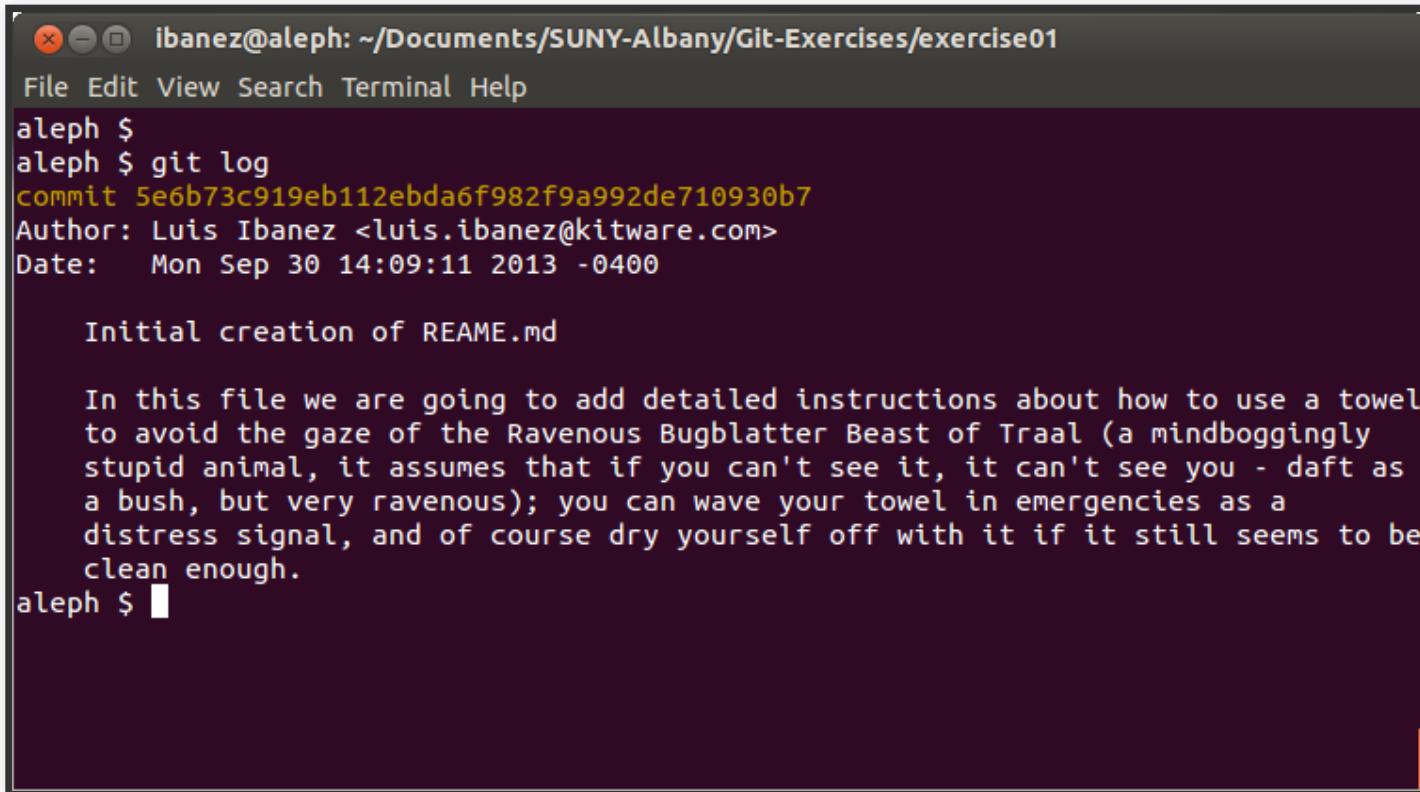
- First line is the SUBJECT
- Second line is empty
- The rest, are paragraphs with the BODY of the email.

# WRITE COMMIT MESSAGE

Git can already answer

- Who
- When
- What

```
git log
```



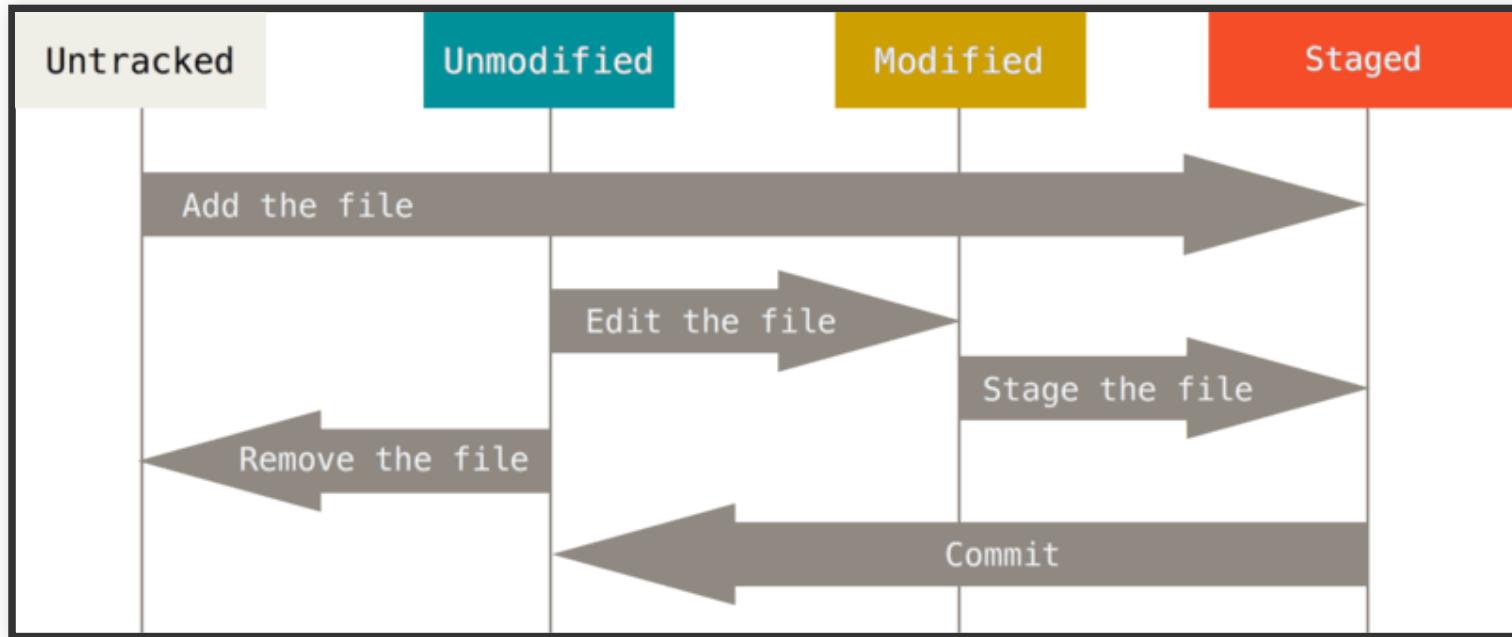
A screenshot of a terminal window titled "ibanez@aleph: ~/Documents/SUNY-Albany/Git-Exercises/exercise01". The window has a dark background and light-colored text. It shows the command "git log" being run, followed by a single commit message. The commit hash is yellow, and the author information and date are blue. The commit message itself is white. A cursor is visible at the end of the message.

```
ibanez@aleph: ~/Documents/SUNY-Albany/Git-Exercises/exercise01
File Edit View Search Terminal Help
aleph $
aleph $ git log
commit 5e6b73c919eb112ebda6f982f9a992de710930b7
Author: Luis Ibanez <luis.ibanez@kitware.com>
Date:   Mon Sep 30 14:09:11 2013 -0400

    Initial creation of REAME.md

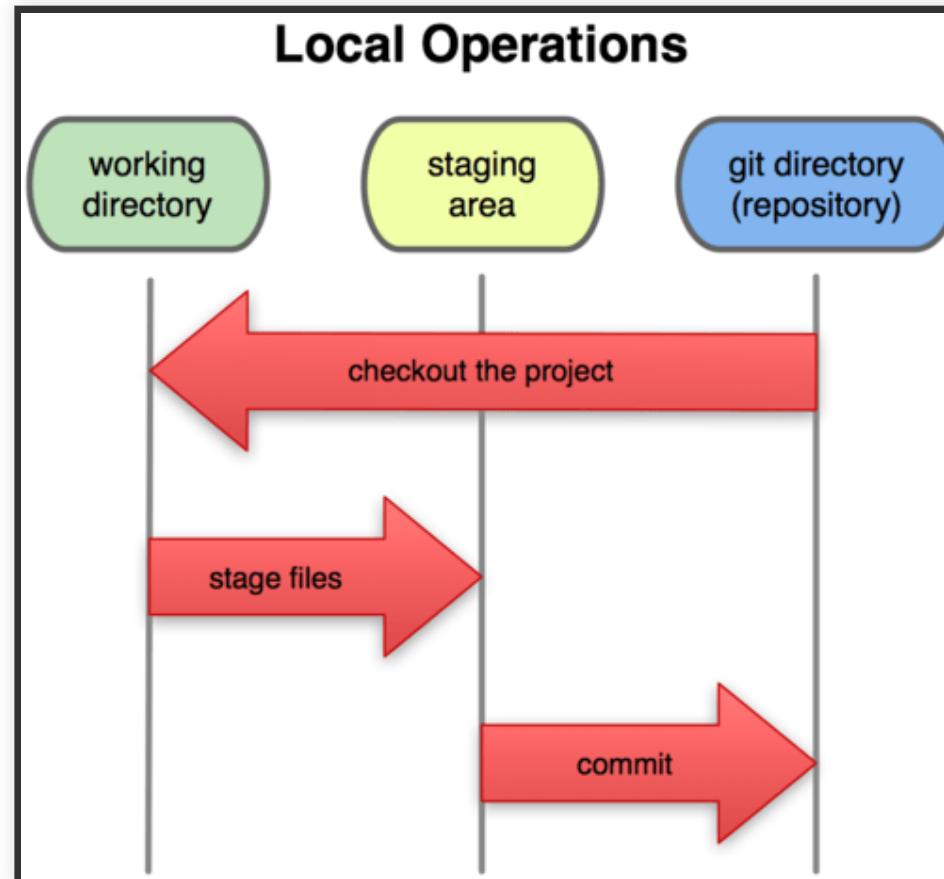
    In this file we are going to add detailed instructions about how to use a towel
    to avoid the gaze of the Ravenous Bugblatter Beast of Traal (a mindbogglingly
    stupid animal, it assumes that if you can't see it, it can't see you - daft as
    a bush, but very ravenous); you can wave your towel in emergencies as a
    distress signal, and of course dry yourself off with it if it still seems to be
    clean enough.
aleph $ █
```

# FILE STATUS LIFECYCLE



Courtesy of [git-scm Book](#).

# THE THREE STATES



Courtesy of [git-scm Book](#).

# GO TO YOUR GITHUB PAGE

Create a Repository "Exercise01" under your github account (same name)

```
git remote add origin http://github.com/mskmoorthy/Exercise01.git  
git push -u origin
```

YOUR TURN!

# CHANGES BRING HAPPINESS!

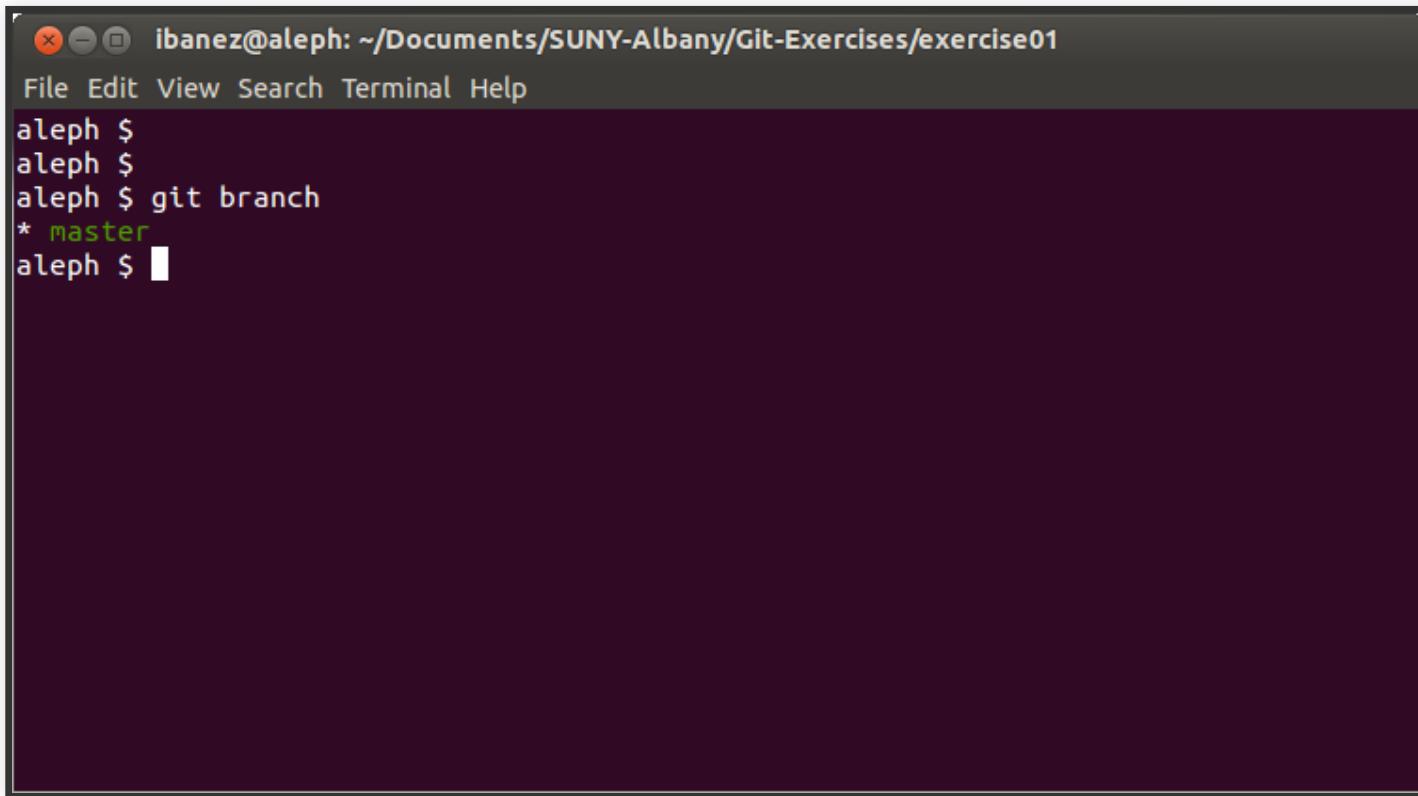
Modify and Commit the file

- Edit the file
- Git add the changes
- Git commit the changes
- Git check the log

# BRANCHING

# INSPECT BRANCHES

```
git branch
```



A screenshot of a terminal window titled "ibanez@aleph: ~/Documents/SUNY-Albany/Git-Exercises/exercise01". The window has a dark background and a light gray header bar. The terminal menu bar includes "File", "Edit", "View", "Search", "Terminal", and "Help". The command "git branch" is entered at the prompt, and the output shows a single branch named "master" with an asterisk (\*) indicating it is the current branch. The prompt ends with a black square icon.

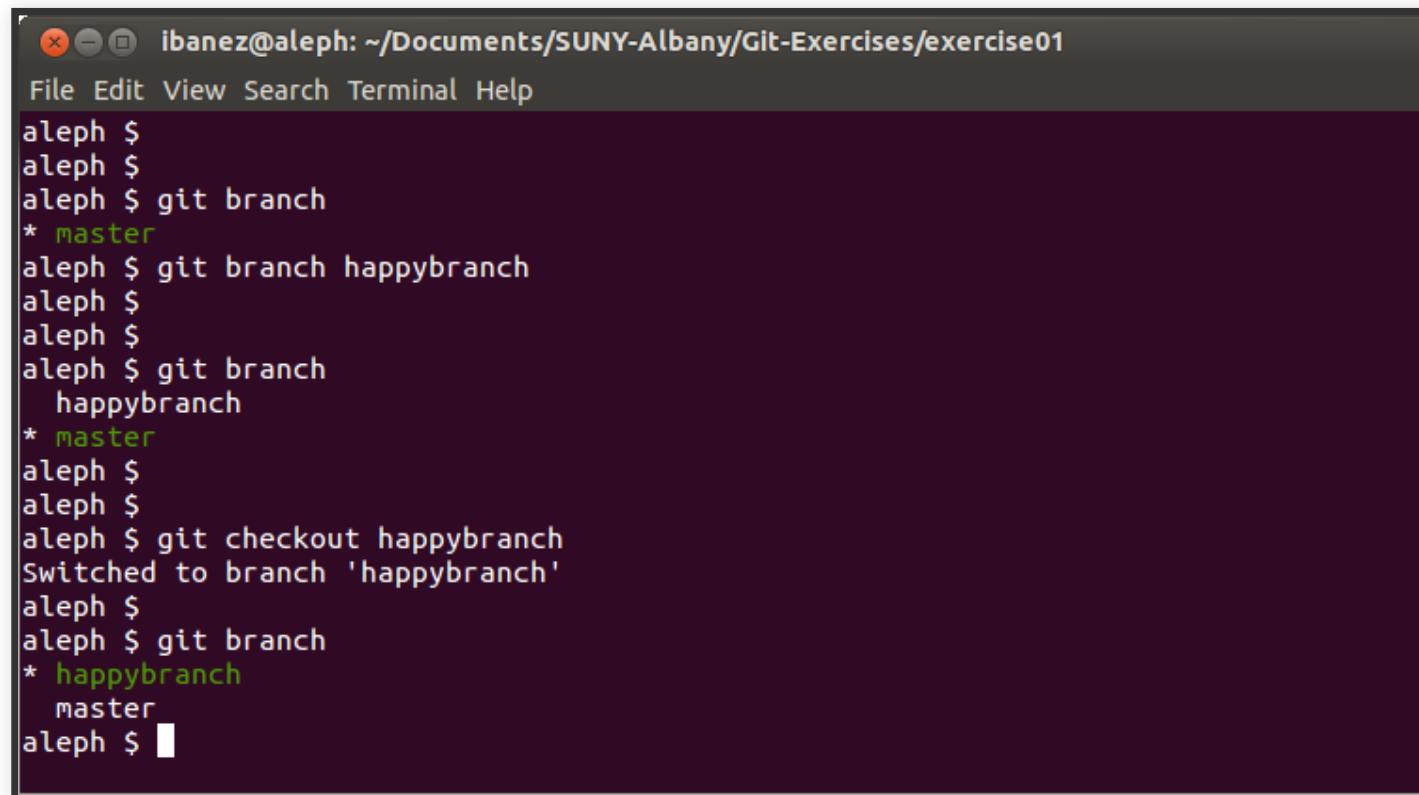
```
ibanez@aleph: ~/Documents/SUNY-Albany/Git-Exercises/exercise01
File Edit View Search Terminal Help
aleph $ aleph $ aleph $ git branch
* master
aleph $ █
```

# CREATE NEW BRANCH

```
git branch happybranch  
git branch  
git checkout happybranch  
git branch
```

# MOVE TO NEW BRANCH

```
git checkout happybranch
```



A screenshot of a terminal window titled "ibanez@aleph: ~/Documents/SUNY-Albany/Git-Exercises/exercise01". The window has a dark background and light-colored text. It shows the following command-line session:

```
aleph $  
aleph $  
aleph $ git branch  
* master  
aleph $ git branch happybranch  
aleph $  
aleph $  
aleph $ git branch  
  happybranch  
* master  
aleph $  
aleph $  
aleph $ git checkout happybranch  
Switched to branch 'happybranch'  
aleph $  
aleph $ git branch  
* happybranch  
  master  
aleph $
```

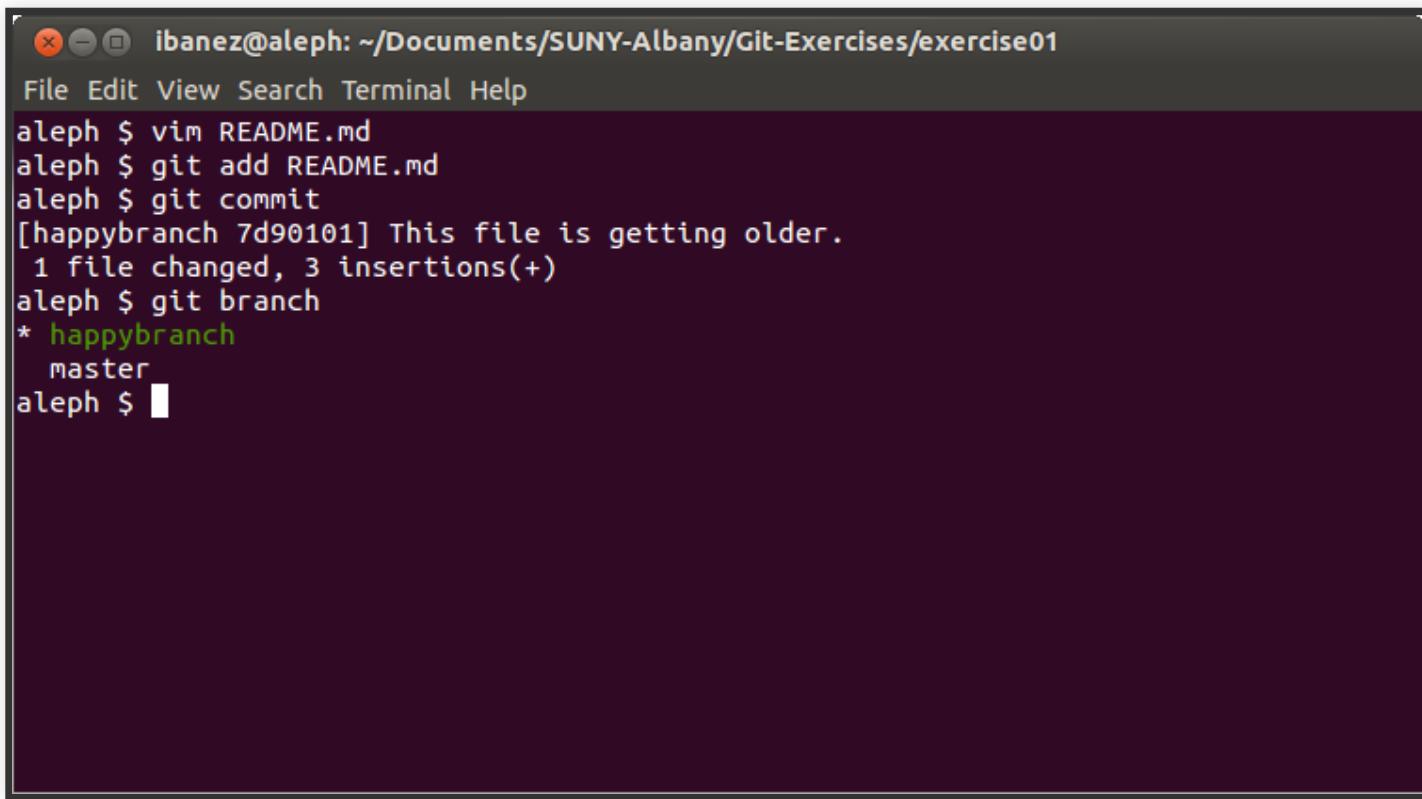
# CHANGES BRING HAPPINESS!

Modify and Commit a file

- Edit the file
- Git add the changes
- Git commit the changes
- Git check the log

# FILE LIFECYCLE

```
vim README.md  
git add  
git commit  
git branch
```

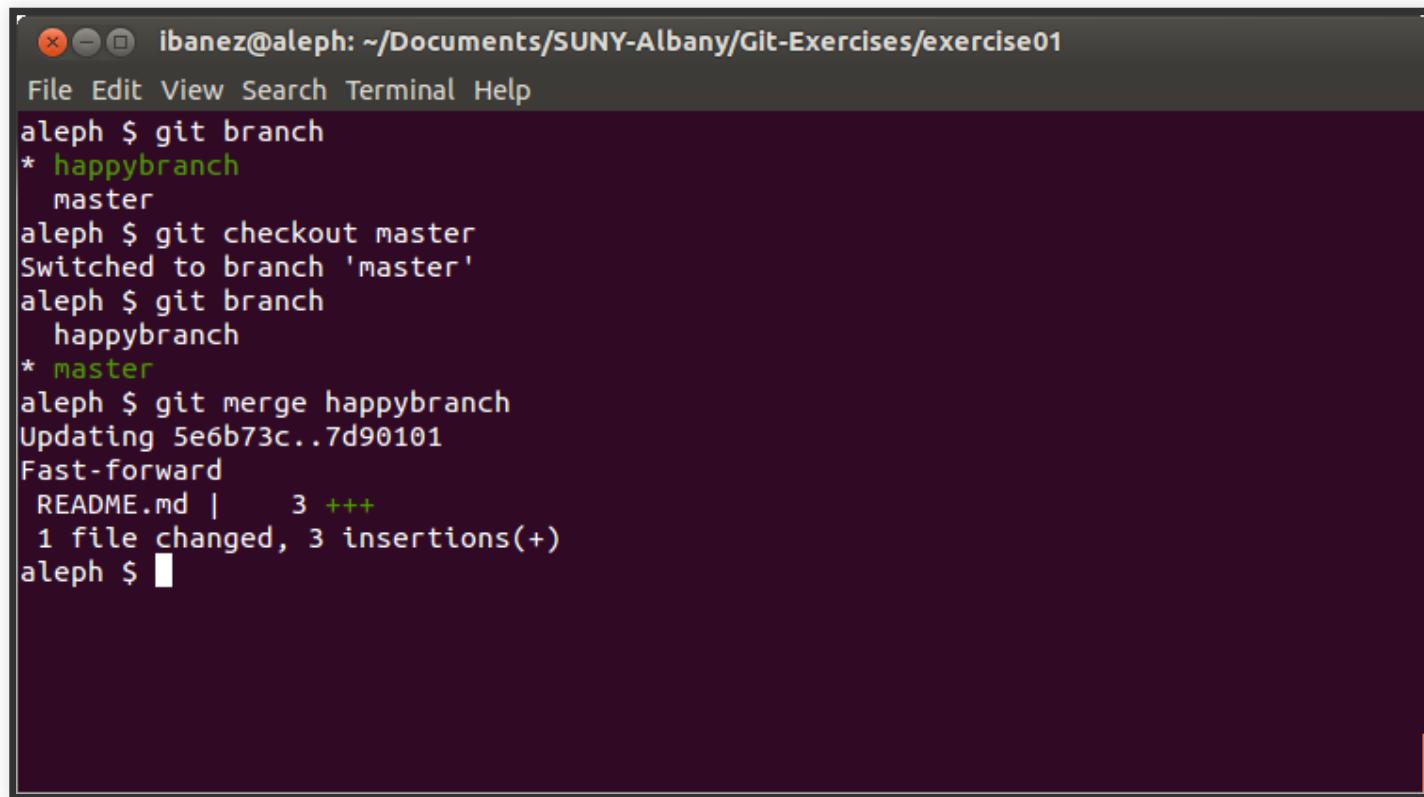


A screenshot of a terminal window titled "ibanez@aleph: ~/Documents/SUNY-Albany/Git-Exercises/exercise01". The window shows the following command history:

```
File Edit View Search Terminal Help  
aleph $ vim README.md  
aleph $ git add README.md  
aleph $ git commit  
[happybranch 7d90101] This file is getting older.  
 1 file changed, 3 insertions(+)  
aleph $ git branch  
* happybranch  
  master  
aleph $ █
```

# MERGE BRANCH

```
git branch  
git checkout master  
git branch  
git merge happybranch
```

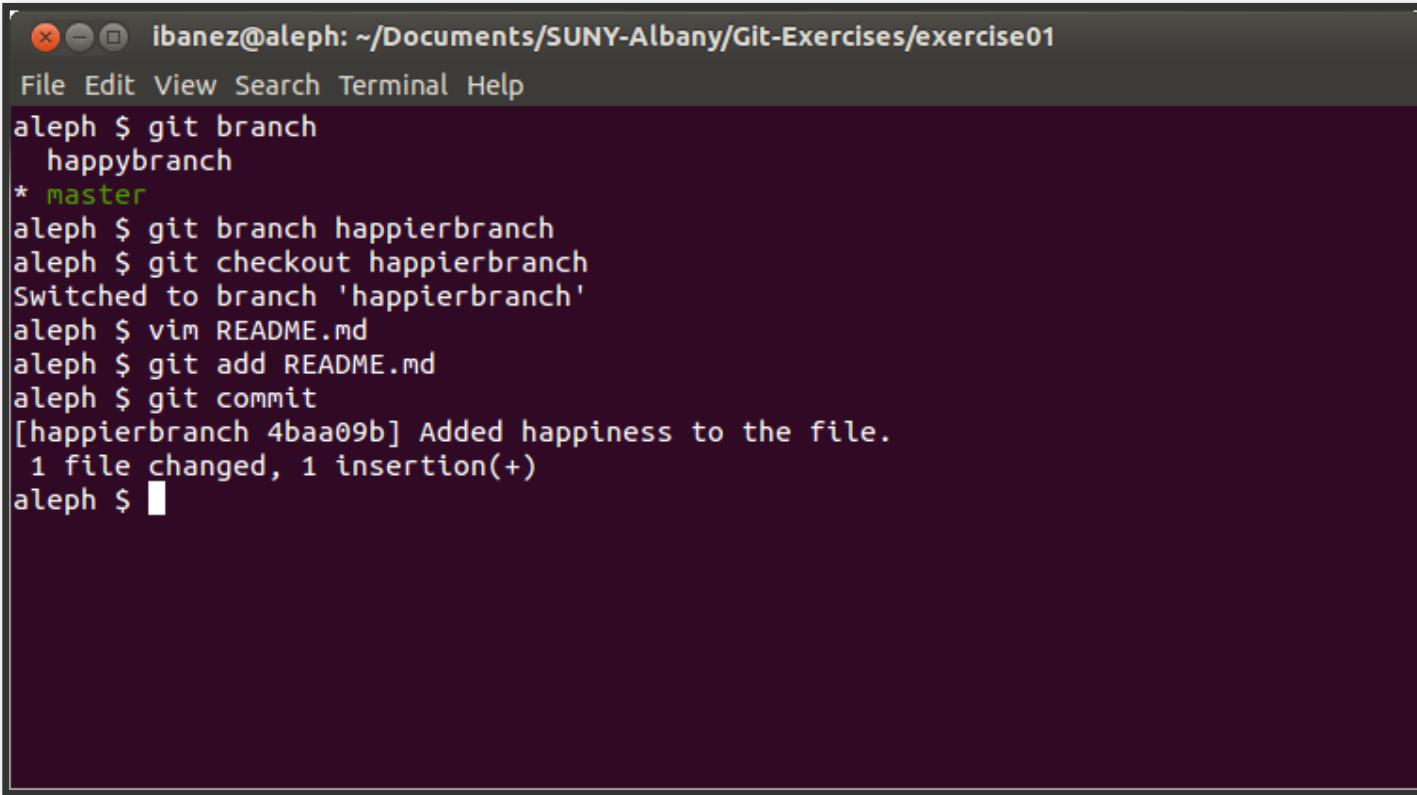


A screenshot of a terminal window titled "ibanez@aleph: ~/Documents/SUNY-Albany/Git-Exercises/exercise01". The window shows the following command history:

```
File Edit View Search Terminal Help  
aleph $ git branch  
* happybranch  
  master  
aleph $ git checkout master  
Switched to branch 'master'  
aleph $ git branch  
  happybranch  
* master  
aleph $ git merge happybranch  
Updating 5e6b73c..7d90101  
Fast-forward  
 README.md |    3 +++  
 1 file changed, 3 insertions(+)  
aleph $ █
```

# LET'S DO IT AGAIN!

```
git branch happierbranch  
git checkout happierbranch  
vim README.md  
git add README.md  
git commit
```

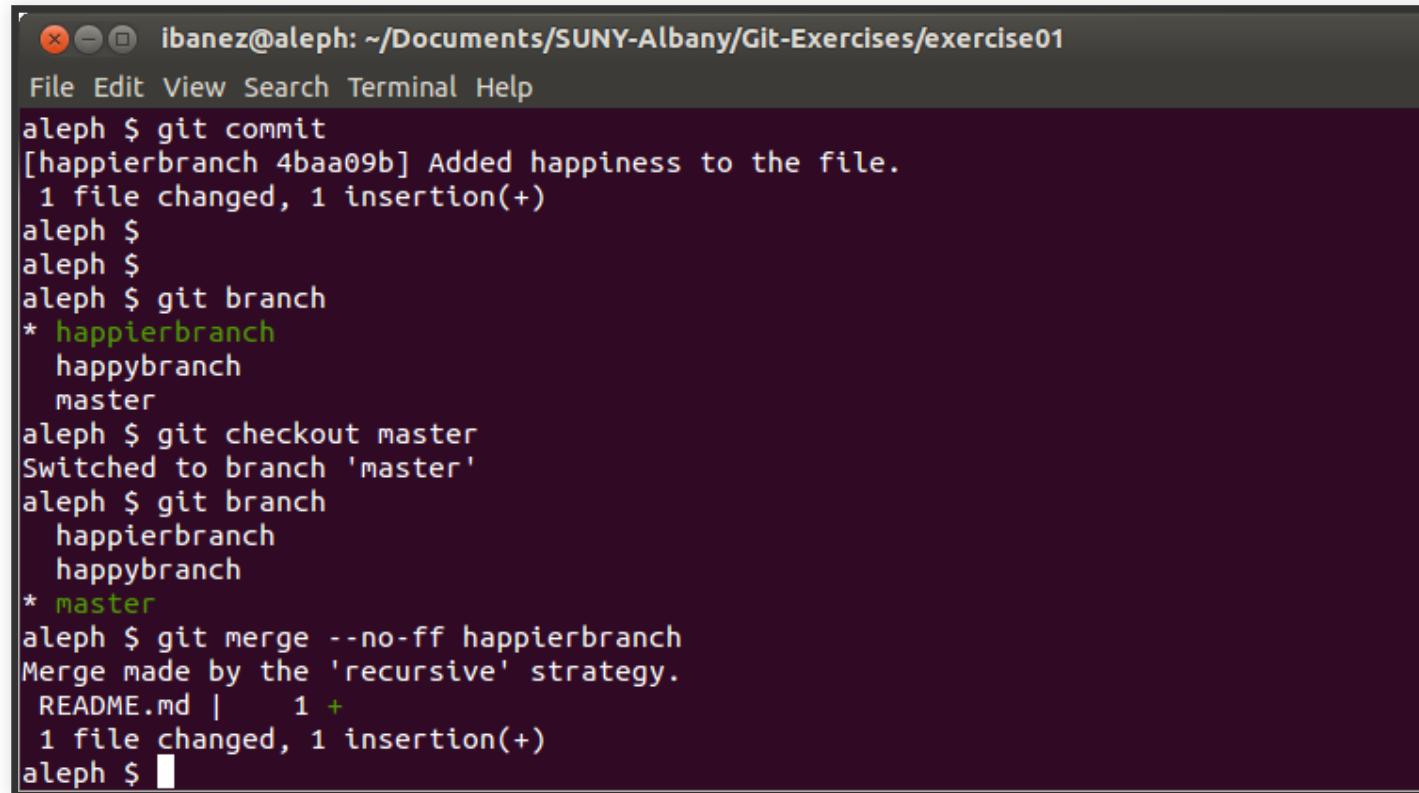


A screenshot of a terminal window titled "ibanez@aleph: ~/Documents/SUNY-Albany/Git-Exercises/exercise01". The window shows the following command history:

```
File Edit View Search Terminal Help  
aleph $ git branch  
    happybranch  
* master  
aleph $ git branch happierbranch  
aleph $ git checkout happierbranch  
Switched to branch 'happierbranch'  
aleph $ vim README.md  
aleph $ git add README.md  
aleph $ git commit  
[happierbranch 4baa09b] Added happiness to the file.  
  1 file changed, 1 insertion(+)  
aleph $ █
```

# MERGE DIFFERENTLY

```
git checkout master  
git merge --no-ff happierbranch
```



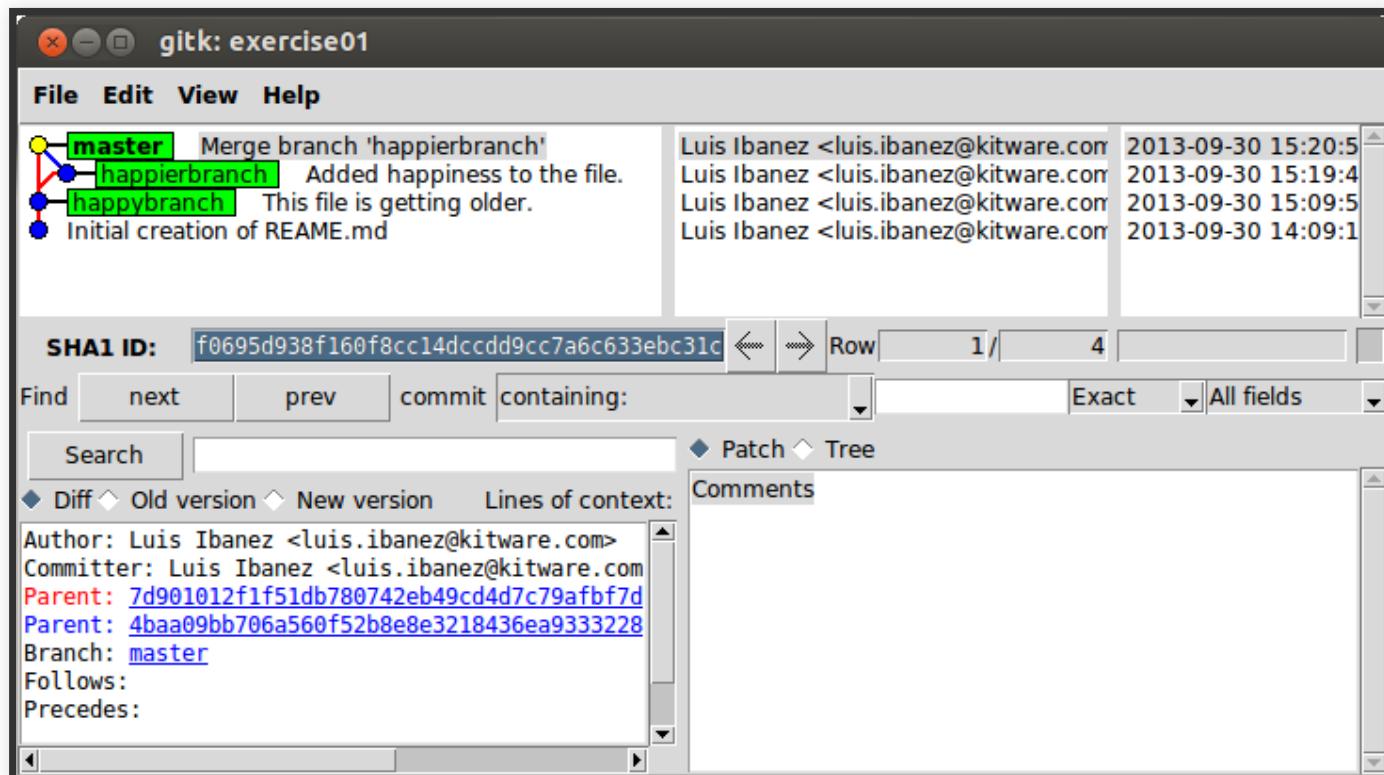
A screenshot of a terminal window titled "ibanez@aleph: ~/Documents/SUNY-Albany/Git-Exercises/exercise01". The window shows the following command history:

```
File Edit View Search Terminal Help  
aleph $ git commit  
[happierbranch 4baa09b] Added happiness to the file.  
 1 file changed, 1 insertion(+)  
aleph $  
aleph $  
aleph $ git branch  
* happierbranch  
  happybranch  
  master  
aleph $ git checkout master  
Switched to branch 'master'  
aleph $ git branch  
  happierbranch  
  happybranch  
* master  
aleph $ git merge --no-ff happierbranch  
Merge made by the 'recursive' strategy.  
 README.md | 1 +  
 1 file changed, 1 insertion(+)  
aleph $
```

# EXPLAIN THE MERGE

# INSPECT BRANCHES

gitk



YOUR TURN!

# BRANCHES BRING HAPPINESS!

## Branch and Merge

- Create new branch
- Move into new branch
- Edit and a commit file
- Move to master branch
- Merge new branch into master

COMPLETE  
THREE MERGES!

# THE END

BY Luis Ibanez some modifications by Moorthy and Wes  
Turner

# GIT

## INTRODUCTION

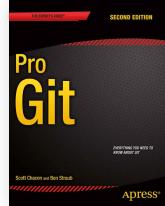
### PART II

Created by **Luis Ibanez** / [@luisibanez](#), modified by **Moorthy** / [@mskmoorthy](#) and **Wesley Turner** / [@wdturner](#)



Git Introduction by Luis Ibanez, modified by Moorthy and Wes Turner is licensed under a **Creative Commons Attribution 3.0 Unported License**.

# READING MATERIAL



**PRO GIT**

BY SCOTT CHACON AND BEN STRAUB

Chapters 3.6 and 5.1

COMPLETE FIRST  
GIT-INTRODUCTION-PART-I  
EXERCISES

# CLONE REPOSITORY

```
git clone git@github.com:wdturner/OSSStory.git
```

- github username = "wdturner"
- repository name = "OSSStory"

# GO INSIDE THE DIRECTORY

```
cd OSSStory
```

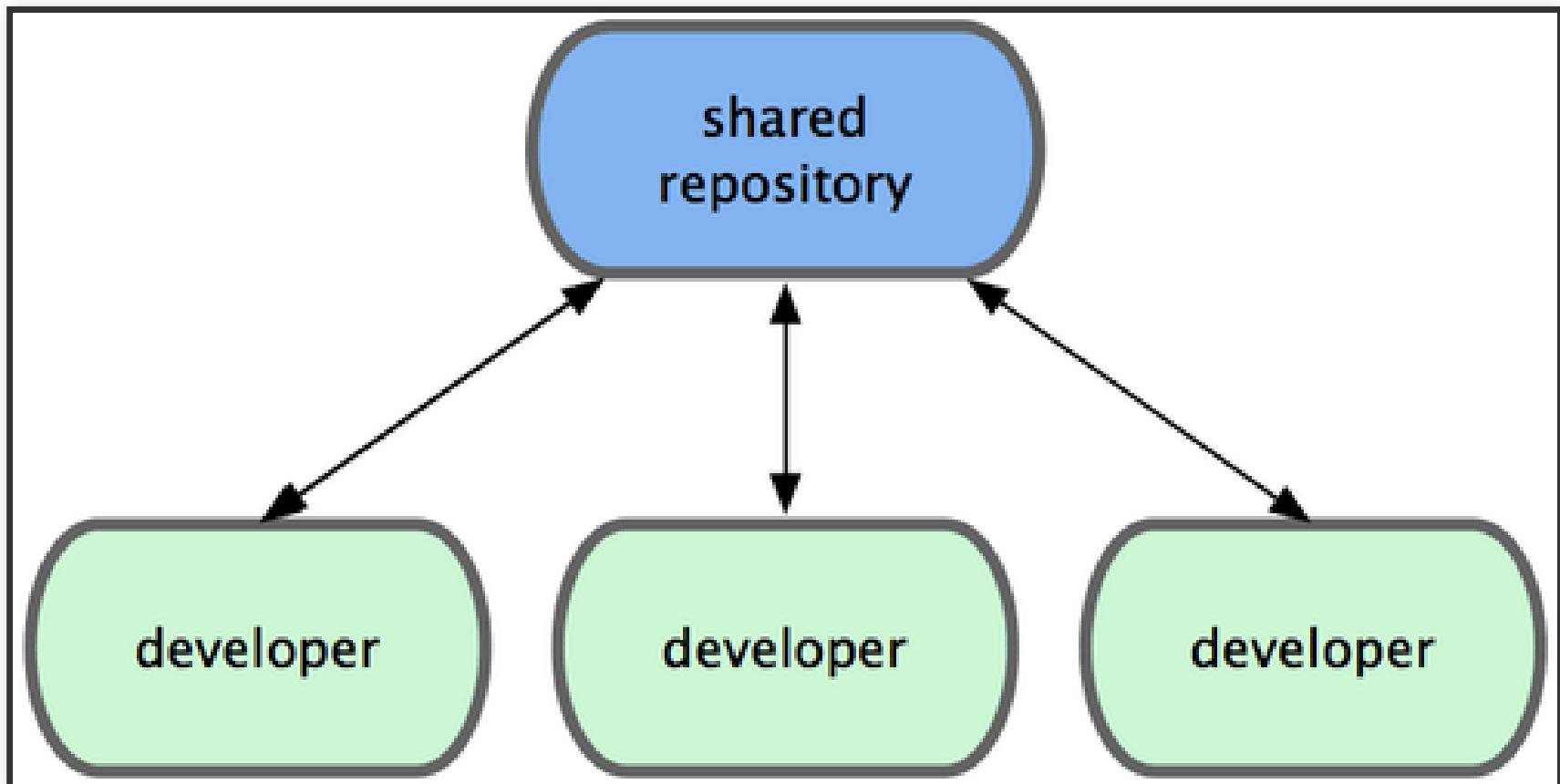
# SEE THE REMOTE REPOSITORIES

```
git remote -v
```

- "-v" is for "verbose"

AT THIS POINT WE HAVE A

## SHARED REPOSITORY



Courtesy of [git-scm Book](#).

# WE CAN ALLOW UNFETTERED ACCESS BY ADDING COLLABORATORS...

The screenshot shows a GitHub repository settings page for 'wdturner / OSSStory'. The left sidebar has 'Collaborators' selected. The main area displays a form to add a collaborator, with the search bar containing 'goldschmidt' and the 'Add collaborator' button highlighted.

wdturner / OSSStory

Code Issues 0 Pull requests 0 Projects 0 Wiki Security Insights Settings

Options

**Collaborators**

Branches

Webhooks

Notifications

Integrations & services

Deploy keys

Moderation

Interaction limits

Collaborators

This repository doesn't have any collaborators yet. Use the form below to add a collaborator.

Search by username, full name or email address

You'll only be able to find a GitHub user by their email address if they've chosen to list it publicly. Otherwise, use their username instead.

goldschmidt

Add collaborator

Push access to the repository

© 2019 GitHub, Inc. Terms Privacy Security Status Help Contact GitHub Pricing API Training Blog About

Summer-2019.zip Show All X

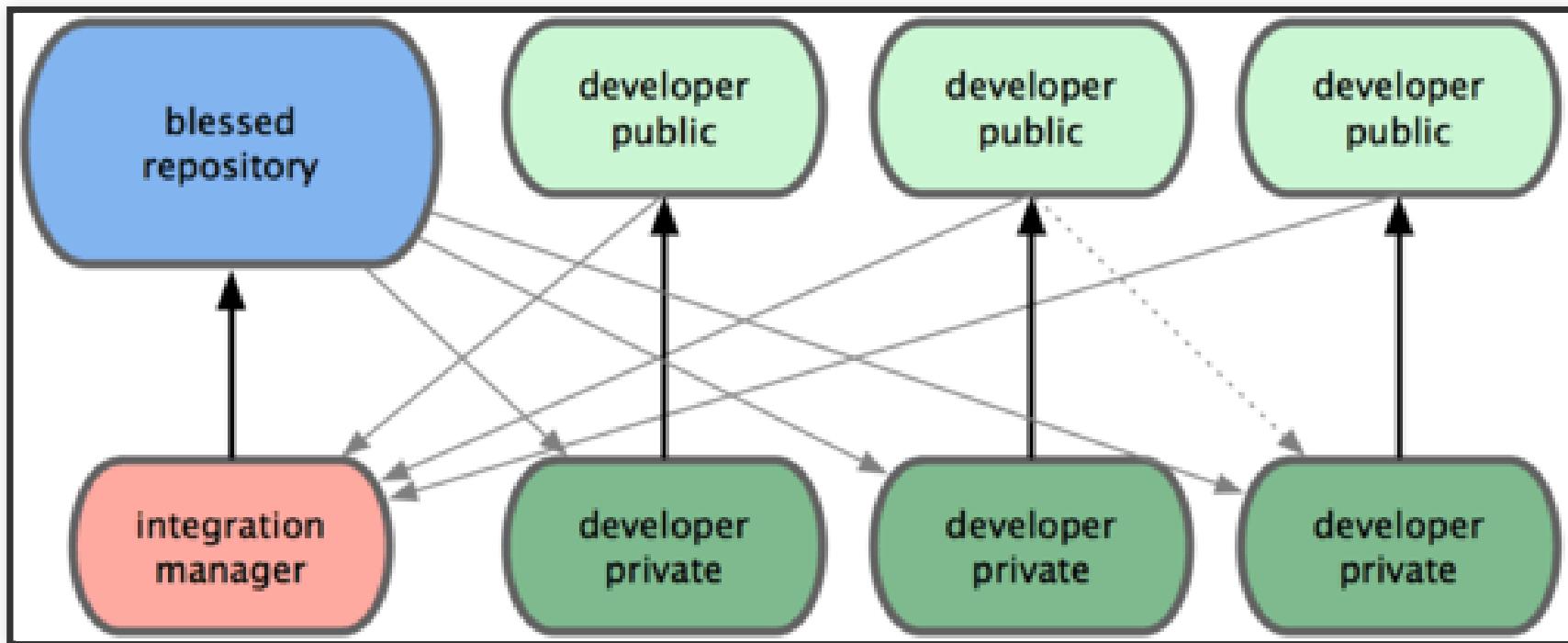
THIS CONFIGURATION  
IS USED FOR A  
**CENTRALIZED WORKFLOW**

GIT ENABLES  
OTHER CONFIGURATIONS...

TO SUPPORT  
OTHER WORKFLOWS...

FOR EXAMPLE

## INTEGRATION MANAGER WORKFLOW



Courtesy of [git-scm Book](#).

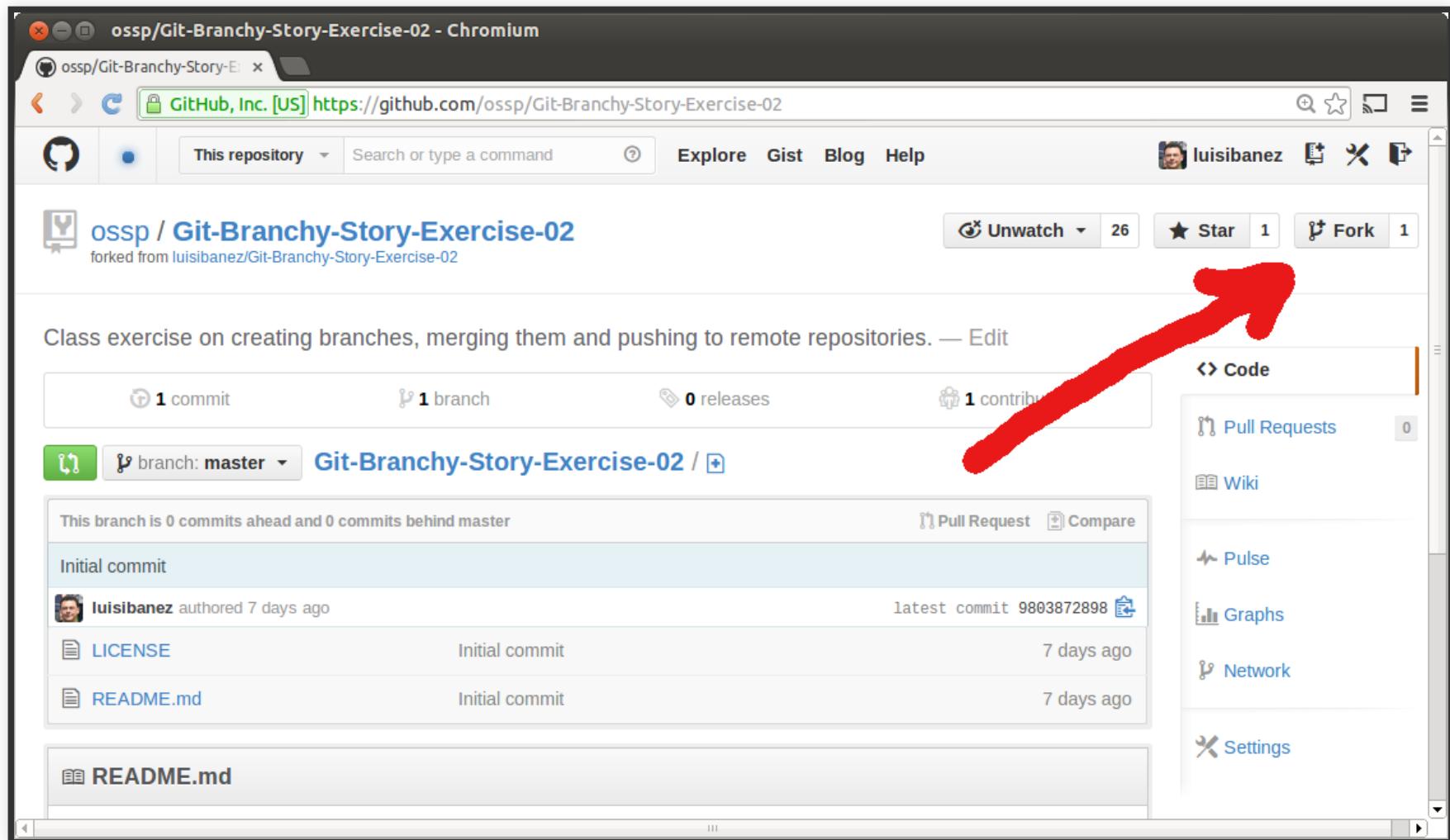
# LET'S CREATE A WORKFLOW!

YOU ALREADY HAVE  
LOCAL PRIVATE  
REPOSITORIES

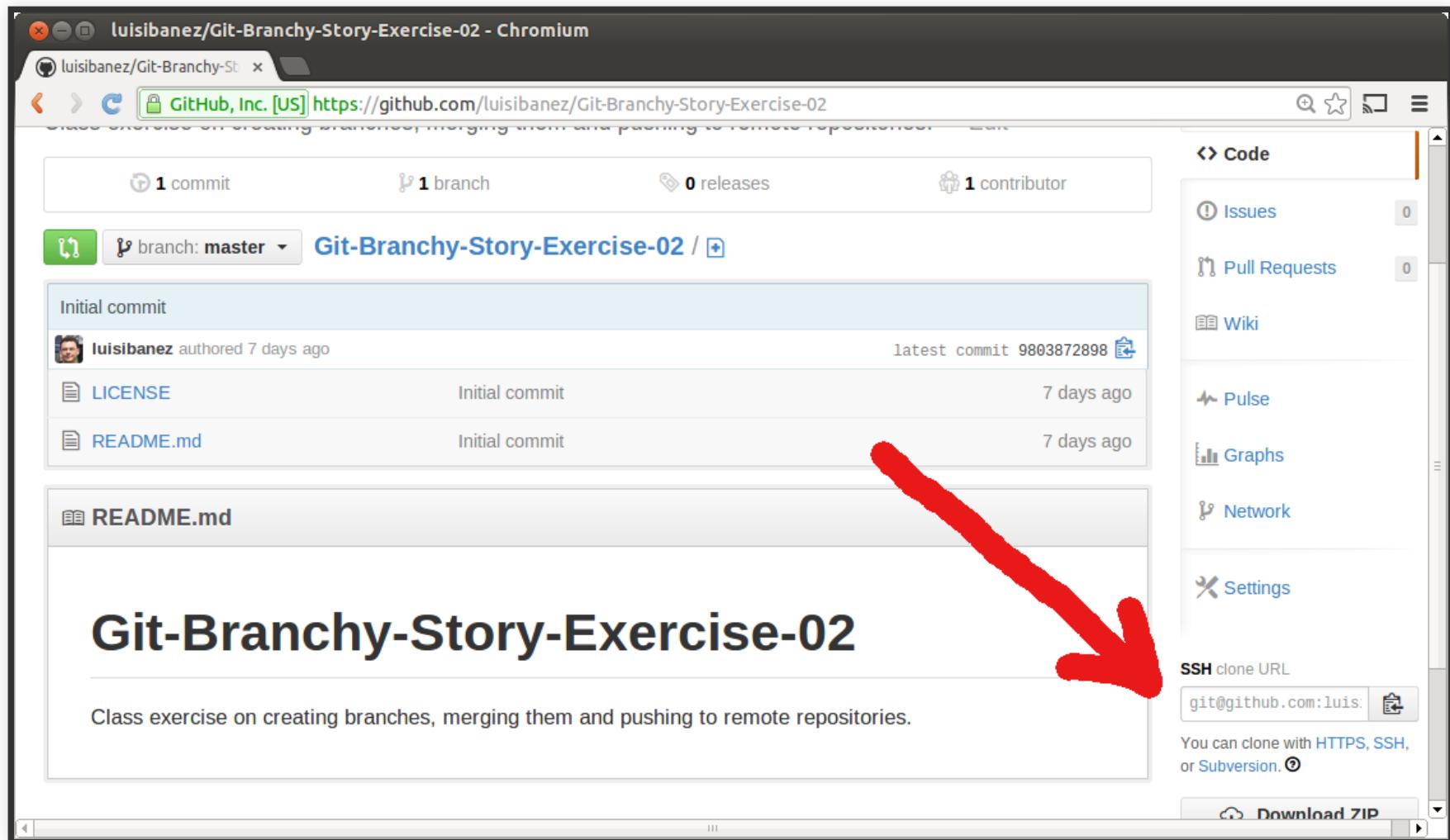
LET'S CREATE  
YOUR PUBLIC  
REPOSITORIES

WE DO THIS  
BY **FORKING**  
IN GITHUB

# FORK THE REPOSITORY



# COPY THE FORK ADDRESS



NOW GO TO YOUR  
LOCAL PRIVATE  
REPOSITORY

# ADD THE REMOTE REPOSITORY AS THE NEW ORIGIN

```
git remote set-url origin "your clone address"
```

- origin = local name for remote repository
- This is where you will do your personal work

# SEE THE REMOTE REPOSITORIES

```
git remote -v
```

YOUR TURN!

# ADD REMOTE REPOSITORIES

Work with your Team

- Ask team members for their fork address
- Add their address as a remote
- Name the remotes after their first names

# USE HTTPS

For the address of your team mates

- Use: [https://github.com/aaronsw/...](https://github.com/aaronsw/)
- Instead of: [git@github.com:aaronsw/...](git@github.com:aaronsw/)

# NOW CHOOSE ONE OF YOUR TABLE TO HOST THE CENTRALIZED REPOSITORY

```
git remote add upstream "address of centralized repository"
```

- upstream will be the centralized repository
- owner of the upstream will need to add everyone else as a collaborator

# ADD COLLABORATORS

# WHAT DOES OUR WORKFLOW LOOK LIKE?

NOW LET'S CREATE  
A TEAM DIRECTORY  
TO WORK TOGETHER

# ONE TEAM MEMBER CREATES A BRANCH

```
git branch Table<i>  
git checkout Table<i>  
cd <Current Semester>  
mkdir Table<i>  
cd Table<i>  
nano table<i>.Md #Or your editor of choice  
cd ..
```

# ONE TEAM MEMBER COMMITTS TEAM DIRECTORY

```
git add table<i>.Md
```

```
git commit -m "Started team directory"
```

MERGES TO MASTER AND PUSHES IT TO UPSTREAM

```
git checkout master
```

```
git merge Table<i>
```

```
git push upstream master
```

# YOUR PUSH MAY FAIL...

## WITH A MESSAGE LIKE THIS

```
! [rejected]          master -> master (non-fast-forward)
error: failed to push some refs to 'git@github.com:wdturner/OSSStory.git'
hint: Updates were rejected because a pushed branch tip is behind its remote
hint: counterpart. Check out this branch and merge the remote changes
hint: (e.g. 'git pull') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
```

YOUR PUSH MAY FAIL...  
WITH A MESSAGE LIKE REJECTED

THIS JUST MEANS  
THAN SOMEONE ELSE  
PUSHED BEFORE YOU

SO NOW  
YOU HAVE TO UPDATE  
YOUR LOCAL REPOSITORY

## UPDATE WITH THE COMMAND

```
git pull upstream master
```

AND THEN TRY THE COMMAND AGAIN

```
git push upstream master
```

YOU MAY HAVE  
TO DO IT  
MULTIPLE TIMES

# ALL TEAM MEMBERS UPDATE THEIR LOCAL TABLE .MD

```
git pull upstream master  
git push origin master
```

# ALL TEAM MEMBERS LOOK AT RECENT COMMITS

```
git log
```

# NOTE THAT

The log tells you:

- Who did it
- When it was done

ALL TEAM MEMBERS  
LOOK AT RECENT COMMITS  
USING SHORT FORMAT

```
git log --oneline
```

# NOTE THAT

Every commit  
is identified by a hash  
such as:

```
5d7d137a3592fe402a4bc282375c2d8bb878326c
```

YOU CAN USE  
THE FIRST CHARACTERS  
TO REFER  
TO THIS COMMIT

# YOU CAN USE "GIT SHOW"

```
git show 5d7d137
```

TO FIND OUT MORE  
ABOUT THIS COMMIT

# SEE COMMIT DETAILS

```
git show 5d7d137
```

# EACH TEAM MEMBER

- Picks a "character" name
- Goes into the team directory
- Creates a file with that name
- and extension ".md"

# EACH TEAM MEMBER

- Inside the file write one sentence
- Describing the state of the character

# EACH TEAM MEMBER

- Git add the file
- Git commit
- Git push to upstream

# YOUR PUSH MAY FAIL...

## WITH A MESSAGE LIKE THIS

```
! [rejected]          master -> master (non-fast-forward)
error: failed to push some refs to 'git@github.com:wdturner/OSSStory.git'
hint: Updates were rejected because a pushed branch tip is behind its remote
hint: counterpart. Check out this branch and merge the remote changes
hint: (e.g. 'git pull') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
```

THIS JUST MEANS  
THAN SOMEONE ELSE  
PUSHED BEFORE YOU

SO NOW  
YOU HAVE TO UPDATE  
YOUR LOCAL REPOSITORY

## UPDATE WITH THE COMMAND

```
git pull upstream master
```

AND THEN TRY THE COMMAND AGAIN

```
git push upstream master
```

YOU MAY HAVE  
TO DO IT  
MULTIPLE TIMES

# EACH TEAM MEMBER

- Edits the file of her/his character
- Changes the state of the character

# EACH TEAM MEMBER

- Git create branch
- Git select branch
- Git add
- Git commit into branch

## USE THE COMMANDS

```
git branch MyNewBranch  
git checkout MyNewBranch  
vim myCharacter.md  
git add myCharacter.md  
git commit
```

THE COMMIT MESSAGE  
MUST EXPLAIN "HOW" AND "WHY"  
THE CHARACTER CHANGED STATE

# EACH TEAM MEMBER

- Git move to master branch
- Git update master from upstream
- Git merge branch into master
- Git push master to upstream

## USE THE COMMANDS

```
git checkout master  
git pull upstream master  
git merge --no-ff MyNewBranch  
git push upstream master
```

## REPEAT THE PUSH UNTIL IT SUCCEEDS

```
git pull upstream master  
git push upstream master  
# When you're done, end by updating your personal repository  
git push origin master
```

# FINALLY, ONE PERSON AT THE TABLE

- Do a Pull Request to wdturner/OSSStory

The screenshot shows the GitHub repository page for `wdturner/OSSStory`. The top navigation bar includes links for Code, Issues, Pull requests (which is highlighted with a red oval), Actions, Projects, Wiki, Security, Insights, and Settings. The repository statistics are shown as Unwatch 13, Star 5, Fork 52. A modal window titled "Label issues and pull requests for new contributors" is open, stating "Now, GitHub will help potential first-time contributors discover issues labeled with [good first issue](#)". Below the modal are filters for "Filters" (is:pr is:open) and search bar, and buttons for "Labels 8", "Milestones 0", and a prominent green "New pull request" button (also circled in red). At the bottom, it says "0 Open" and "12 Closed". The main content area displays a message: "There aren't any open pull requests. You could search all of GitHub or try an advanced search."

# THIS SHOWS 2 WORKFLOWS

- Your table is a "Collective Workflow"
- The Pull Request back to the wdturner repository is a "Blessed Repository"

# THE END

BY LUIS IBANEZ,

modified

BY MOORTHY AND WES TURNER

Git is the dominant version control utility these days. Here's how to be effective using it.

### The Essentials — When working with git on your own or with others.

<code>git status</code>	To remind you of where you left off. See a summary of local changes, remote commits, and untracked files.
<code>git diff</code>	To see the specific local changes to tracked files. Use <code>--name-only</code> to see changed filenames.
<code>git add</code>	To stage changes to your tracked and untracked files. Use <code>-u</code> , <code>-a</code> , and <code>.</code> strategically.
<code>git commit</code>	To create a new commit with changes previously added. Use <code>-m</code> and add a meaningful commit message.
<code>git push</code>	To send changes to your configured remote repository, most commonly GitLab or GitHub.

### Basic Flow — Daily usage of git, including flags

<code>git init</code> <code>git status</code> <code>git add --all</code> <code>git status</code> <code>git commit -m "meaningful initial commit message"</code> <code>git show</code>	cd to your local project that you want to start versioning with git. You only have to run <code>git init</code> the first time to set up the directory for version tracking.
<code>git diff</code> <code>git commit -a -m "Another commit message. -a performs the add step for you"</code> <code>git status</code> <code>git log --graph --pretty=oneline --abbrev-commit</code>	And you begin to hack on your local files, then commit at regular intervals
<code>git log --graph --pretty=oneline --abbrev-commit</code> <code>git reset --soft HEAD~3</code> <code>git diff --cached</code> <code>git commit -a -m "Better commit message for last 3 commits"</code>	After a while, you have 3 commits that would be more meaningful as a single commit
<code>git status</code> <code>git diff --cached</code> <code>git add -u</code> <code>git commit -m "Another commit message. -u adds updates, including deleted files"</code> <code>git status</code> <code>git log --graph --pretty=oneline --abbrev-commit</code> <code>git push origin master</code>	Lastly, you delete some unneeded files in the current directory

### Basic Branching — Branches represent a series of commits.

<code>git branch --all</code>	list all local and remote branches
<code>git checkout &lt;branch&gt;</code>	change to an existing branch
<code>git checkout -b &lt;branch&gt; master</code>	make a branch based off of master and check it out
<code>git checkout master &amp;&amp; git merge &lt;branch&gt;</code>	merge branch changes onto master

### Getting Help

<code>git &lt;cmd&gt; -h</code>	great for quick review of command flags
<code>git &lt;cmd&gt; --help</code>	to dig into the full man pages of the command

### Important Flags — These are my personal favorites for keeping everything organized.

<code>git reset HEAD --</code>	get back to the last known commit and unstage others
<code>git add -u</code>	add only the updated, previously-committed files
<code>git log --graph --pretty=oneline --abbrev-commit</code>	for a pretty branch history. Create a shell or git alias for easy access, such as <code>git lg</code>

### Working with a Remote Repository — Once you get into the flow, you'll frequently contribute back to larger projects, and possibly managing forks of forks. Here are some tips for doing so.

<code>git fetch --all</code>	downloads all commits, files, and references to branches on all remote repositories so you can then <code>git checkout</code> or <code>pull</code> what you want to work on.
<code>git pull --rebase &lt;remote&gt; &lt;branch&gt;</code>	Merge all commits since your last common commit from the remote branch without creating a merge commit
<code>git stash</code>	Use this as needed to save uncommitted changes so you can <code>git stash pop</code> them onto a different branch.
<code>git stash pop</code>	bring it back
<code>git add [-A or . or --&lt;filename&gt;]</code>	Be intentional about what files you add to your commits, especially if you want to open a request to merge them into an upstream project.
<code>git commit -m "commit message"</code>	Most projects have a format they prefer for commit messages. Look at <code>CONTRIBUTING.md</code> files in the project or review previous commits to get an idea of their format.
<code>git push origin &lt;branch&gt;</code>	Push your current branch to your remote titled "origin" and branch named <code>&lt;branch&gt;</code>
<code>git checkout -b &lt;new_branch&gt;</code>	A shortcut for <code>git branch &lt;branch&gt; &amp;&amp; git checkout &lt;branch&gt;</code> . It's great for when you want to experiment with an idea and have a new branch to try it out on that can later be merged or deleted.
<code>git checkout master &amp;&amp; git pull --rebase</code>	Great to get to the most recent commit for a project you only infrequently follow.
<code>git reset --hard origin/master</code>	For when you inevitably get lost in all the git-fu and need to get to a known state. WARNING: this erases all changes, even commits, since the last commit pushed to the remote origin on branch master.
<code>git push origin master</code>	For when you inevitably do something right! Send your changes up to your remote titled origin on branch master.

### Helpful Reads

- Read this excellent [guide to your first git repository](#)
- Learn more about [git branching](#)
- Dig deeper into [reset](#) and [rebase](#)



# The Importance and Value of Open Source Licenses

1



Patrick Masson  
General Manager & Director  
Open Source Initiative



# What is the OSI Understanding IP Understanding Licenses Introduction to Open Source Licenses



Post Open Source  
Fauxpen Source Software  
Open-washing  
FLOSSy



*Promote and protect;  
raise awareness & adoption;  
build bridges between communities*



**open source**  
initiative



# *Promote & Protect Open Source*

Users & Developers	Projects & Communities	Business & Government
Independent developers working on FLOSS projects	Procurement and acquisition officers investigating and assessing feasibility of open source software	Companies with licensing questions and issues of stewardship
Developers working on open source software within Corporations	Department managers seeking best practices in development and community	Project / Product managers in need of best practices, resources, information & knowledge sharing
Developers who work creating FLOSS both as part of their employment and on their own time	Portfolio managers seeking contributions and intellectual property transfer	Legal staff and contract managers using and maintaining open source software
End-users seeking information on open source software & licenses	Business analysts seeking peers, use cases and case studies	HR and other administrative departments involved in transitioning to open source models
Members of the press		

I love  
open source  
& want to help

Wow. Been seeing a ton of tweets from  
@OpenSourceOrg the last few weeks  
Glad to see it's getting some energy back

I am a firm believer in what the OSI,  
and other open source communities,  
are doing to keep software transparent

I want to help the OSI because it is time to give back after all the support they have provided

The OSI is  
redefining  
business

I have enjoyed the benefits  
of open source for many  
years and, now an open  
source contributor, would  
like to help support the  
open source infrastructure  
talented people to collaborate on finding solutions

I support  
open source  
software  
and the  
OSI

I support the free & **Open is the better way**  
open source movement

**Because I  
believe in  
open source**

Open Source is an idea that has  
changed the world for the better  
The OSI helps keep that idea alive

I deeply believe in  
the OSI mission

OSI  
represents  
hope

Open source  
shapes our future

The OSI promotes and protects

**open  
source**

Open source  
software also  
spurs innovation  
and collaboration  
allowing different  
people to  
experiment with  
their own ideas  
about how the  
software  
could work

The open source  
movement needs  
this kind of **support**

The future depends on new  
ideas, alternatives and paradigms

Open Source Initiative  
provides a powerful  
**c o m m u n i t y**  
from across the globe

Member-led non-profit



ROBERT MCMILLAN 06.27.13 6:30 AM

# IRS PUTS OPEN SOURCE PROJECTS UNDER MICROSCOPE, SPAWNS NONPROFIT BLACK HOLE

CITY & COUNTY OF SAN FRANCISCO  
Local Agency Formation Commission

About the Board Clerk of the Board Legislative Research Center (LRC) Meeting Information Legislation Introduced Legislation Passed Forms & Documents

Home &gt; Board's Divisions &gt; LAFCO

## Local Agency Formation Commission

LAFCo is responsible for reviewing and approving proposed jurisdictional boundary changes, including annexations and detachments of territory to and/or from cities and special districts, incorporations of new cities, formations of new special districts, and consolidations, mergers and dissolutions of existing districts. In addition, LAFCo must review and approve contractual service agreements, determine spheres of influence for each city and district, and may initiate proposals involving district consolidation, dissolution, establishment of subsidiary districts, mergers, and reorganizations (combinations of these jurisdictional changes).

The full text of the LAFCO law can be found in Government Code Section 56000, et seq.



OPEN

Search | Advanced

Bill S161-2015

Provides a maximum \$200 tax credit for taxpayer expenses associated with the development of open source and free software license programs

Provides a maximum \$200 tax credit for taxpayer expenses associated with the development of open source and free software license programs.

[Print Page](#)  
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Department of Electronics & Information Technology (DeitY)  
Ministry of Communications & IT, Government of India

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**eG** सर्वोत्तम इ-गवर्नेंस प्लान  
National e-Governance Plan

**e-Governance in India** has steadily evolved from computerization of Government Departments to initiatives that encapsulate the finer points of Governance.

No. 13-298

IN THE  
**Supreme Court of the United States**

ALICE CORPORATION PTY. LTD.,

*Petitioner,*

v.

CLS BANK INTERNATIONAL, *et al.*,*Respondents.*

ON WRIT OF CERTIORARI TO THE UNITED STATES  
COURT OF APPEALS FOR THE FEDERAL CIRCUIT

**BRIEF OF AMICUS CURIAE  
ELECTRONIC FRONTIER FOUNDATION  
IN SUPPORT OF RESPONDENTS**

## Quebec government writes 3 open source licences

Submitted by [Giles Hillenius](#) on January 05, 2015

( 5/5 | 1 votes | 687 reads | )

The government of the Canadian province of Quebec is finalising three open source licences to make it easier for provincial public administrations to share software solutions. The licences should be available in the coming weeks.

# Choosing an OSS license doesn't need to be scary

Which of the following best describes your situation?



I want it simple and permissive.



I'm concerned about patents.



I care about sharing improvements.

The Software Package Data Exchange® (SPDX®) specification is a standard format for communicating the components, licenses and copyrights associated with a software package.



Have a tool that supports SPDX?

We are looking for community and/or commercial tools that support SPDX. If you would like to have a link to your tool click here to see how to submit it.

A New Code License: The MIT, this time with Attribution Required



-269



93



Update: January 15, 2016

Thank you for your candidness, patience and feedback. We're going to implement this change now - we'll be back soon to open some more discussions.



Important context for those arriving from reddit and slashdot links:

**The status quo is not "public domain"; attribution is already required.**

See:

- Do I have to worry about copyright issues for code posted on Stack Overflow?
- Can we get some explicit clarification on the "intended" legal usage of code from SO answers?

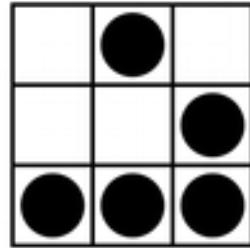
**TLDL:** This is a follow-up to our initial proposal for transitioning to a more user-friendly code license. The purpose of this post is to address the concern expressed most frequently in response to the initial proposal: no attribution requirement. Also, we want to make sure everyone has ample opportunity to provide feedback and we have time to consider it. We are more concerned with doing this right than doing it fast, so please let us know what you think about this proposed change.



**FREE SOFTWARE FOUNDATION**



**UNIX.**<sup>®</sup>



FSF



 **debian**

The Debian Free Software Guidelines



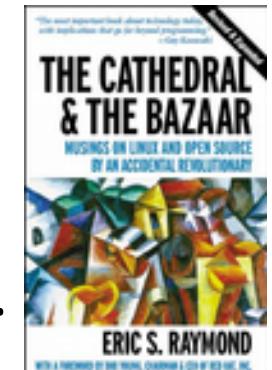
open source  
initiative

The Open Source  
Definition



Christine Peterson

The “open source” label was created at a strategy session held on February 3rd, 1998 in Palo Alto, California, shortly after the release of the Netscape web browser source code.



what is



open source

*Open source software is  
software that can be  
freely used, changed, and shared  
(in modified or unmodified form) by anyone.*

Open source software is made by many people,  
and **distributed under licenses** that comply with  
the **Open Source Definition**.

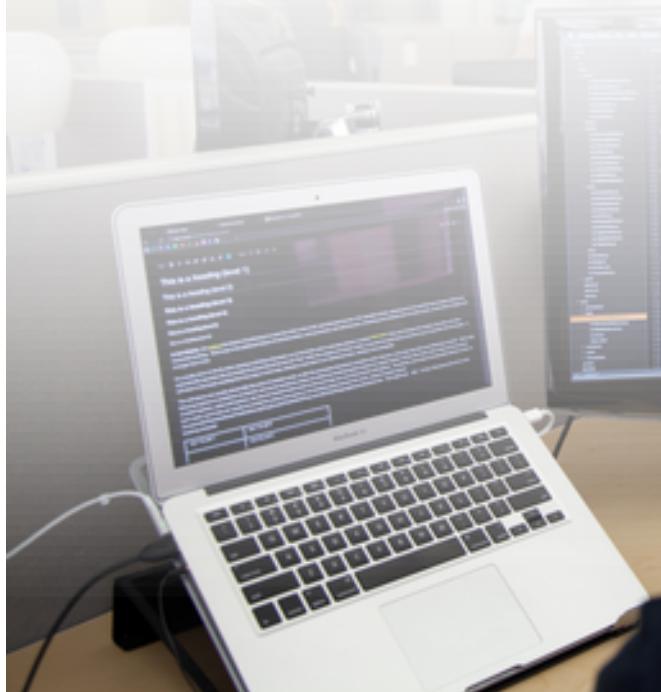


# “open source” is...

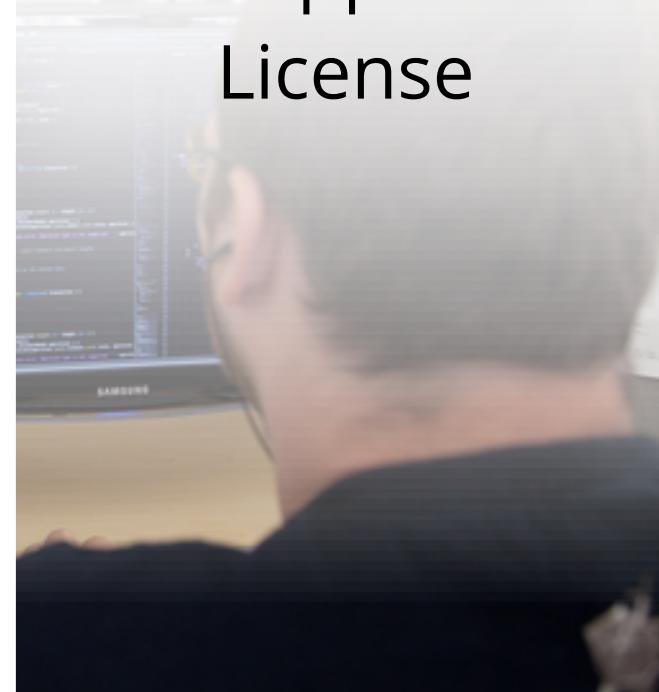
*Any software distributed with an  
OSI Approved License*



**OSI certified**



**OSI Approved  
License**



<http://opensource.org/licenses>

Bruce Perens  
Debian Free Software Guidelines



# Open Source Definition

<http://opensource.org/osd>



# The Open Source Definition

<http://opensource.org/osd>

1. Free Redistribution
2. Source Code
3. Derived Works
4. Integrity of The Author's  
Source Code
5. No Discrimination Against  
Persons or Groups
6. No Discrimination Against  
Fields of Endeavor
7. Distribution of License
8. License Must Not Be  
Specific to a Product
9. License Must Not Restrict  
Other Software
10. License Must Be  
Technology-Neutral

# 70+ OSI Approved Licenses



OSI certified

# Apache License

# BSD 3-Clause

# BSD 2-Clause

# GNU General Public License

# GNU Library or "Lesser" General Public License

# MIT license

# Mozilla Public License

# Common Development and Distribution License

# Eclipse Public License

open source licensing  
provides “permission first” to...

*use the software*

*study/audit the software*

*modify the software*

*redistribute the software*

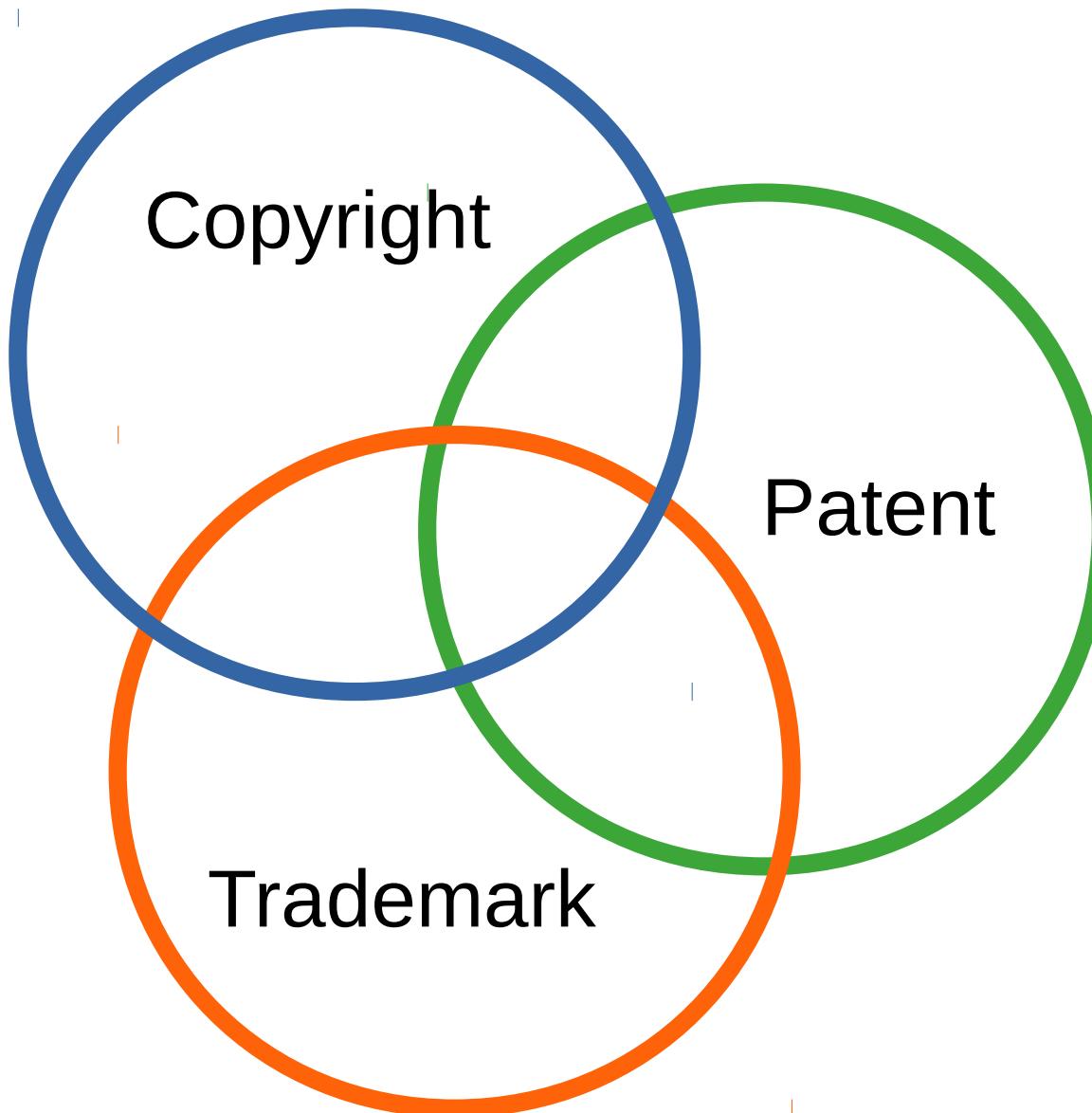
# “open source” is...

*Any software distributed with an  
OSI Approved License*

# What is software?

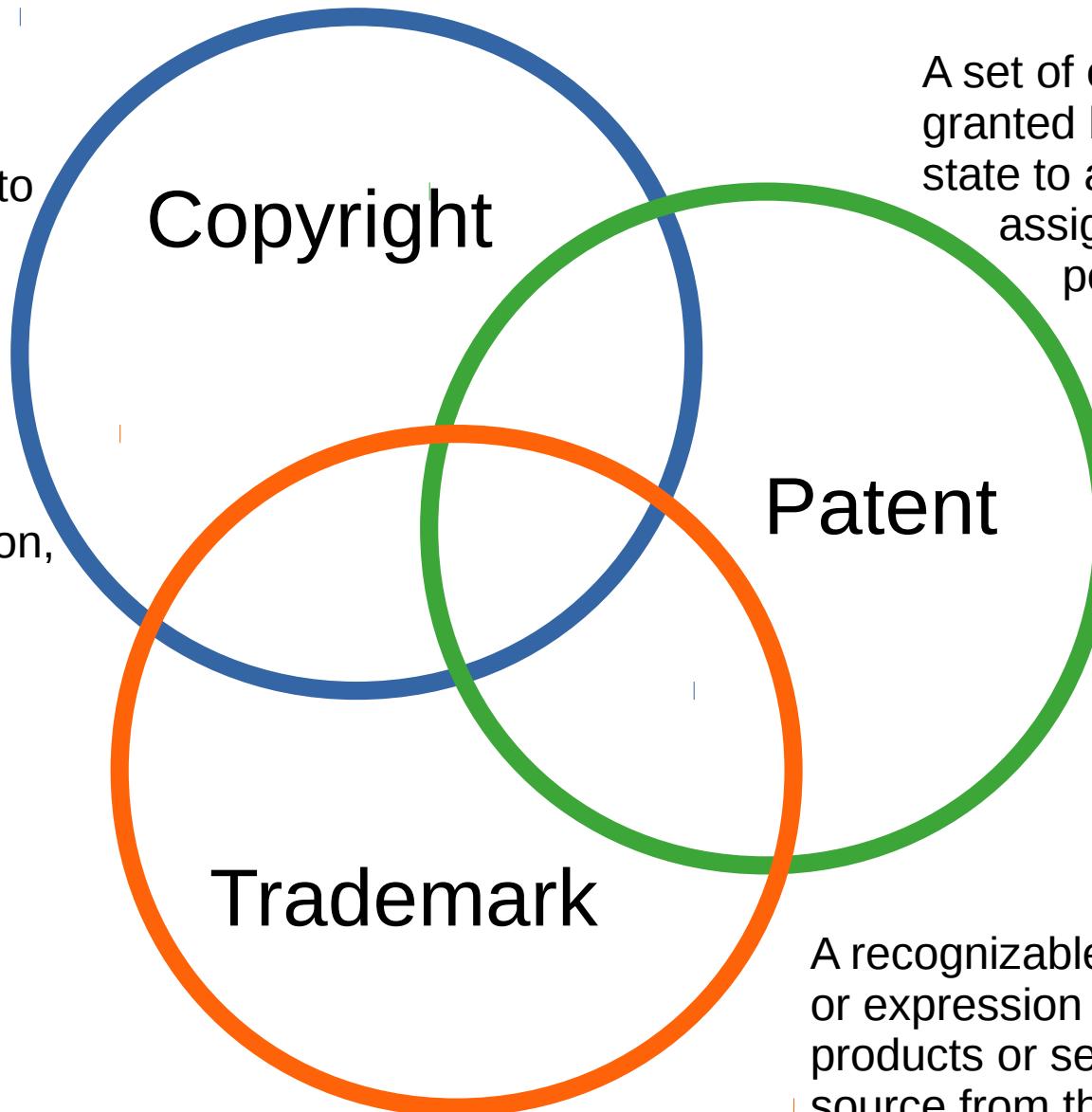
- Software described in terms of ownership,  
i.e. Intellectual Property
  - Code
  - Content
  - Copyright
  - Patents
  - Trademarks

# IP Fundamentals



# IP Fundamentals

Form of intellectual property, applicable to any expressed representation of a creative work, that grants the creator of an original work exclusive rights to its use and distribution, usually for a limited time.



A set of exclusive rights granted by a sovereign state to an inventor or assignee for a limited period of time in exchange for detailed public disclosure of an invention.

Patent

Trademark

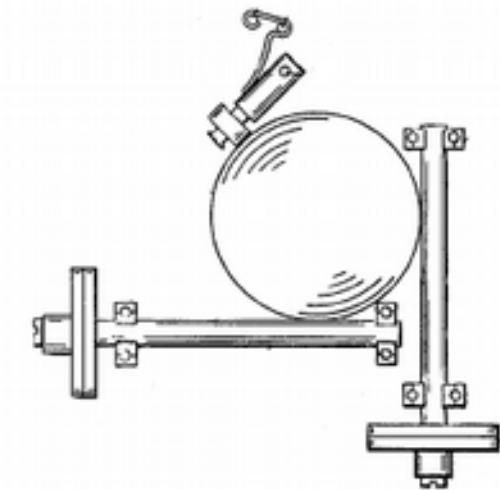
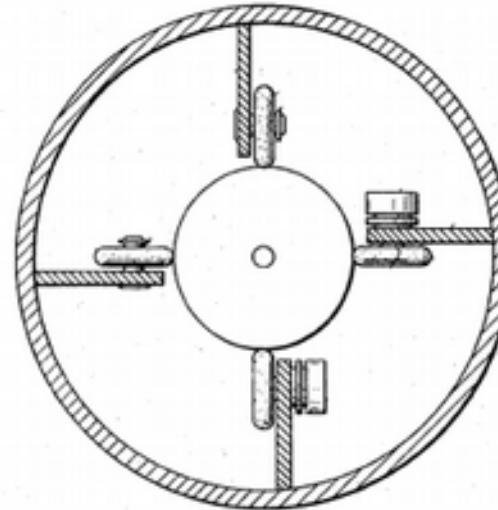
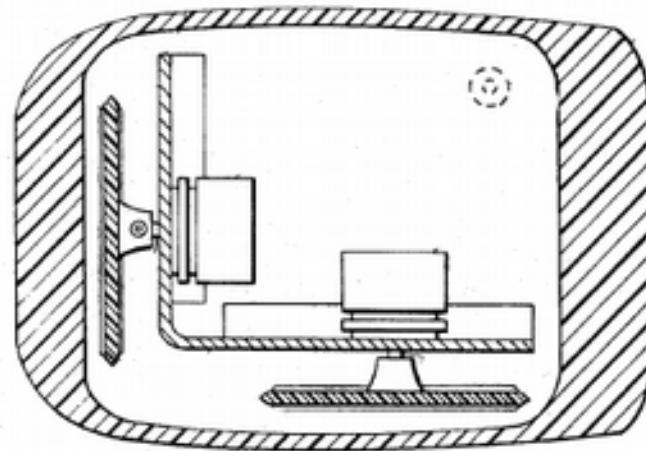
A recognizable sign, design, or expression which identifies products or services of a particular source from those of others

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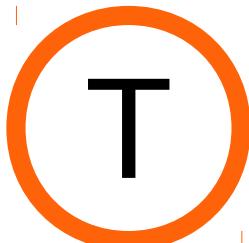
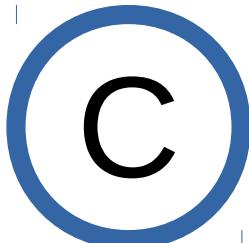




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# HAPPY BIRTHDAY TO YOU

SATB, accompanied

Words and Music by  
MILDRED J. HILL and PATTY S. HILL  
Arranged by RUSSELL ROBINSON

Easy swing  $\text{♩} = 128$  ( $\text{♩} = \text{♩} + \text{♩}$ ) *mf*

**Soprano (S)**:  
Hap - py birth - day to you. — Hap - py

**Tenor (T)**:  
*mf*

**Bass (B)**:  
Hap - py birth - day to you. — Hap - py birth - day, dear

**Piano**:  
*f*      *mf*      *f*

**Final Notes:**  
“Brit - ta - ny.” Hap - py birth - day to you! — *cresc.*  
*cresc.*

1. Take a telephone call from patient
2. Record patient info in a patient file
3. Send patient information to a doctor, ask the doctor if she wants to talk to the patient
4. Call the patient back and transfer the call to the doctor
5. Record the call
6. Add the recorded call to the patient file and send to doctor
7. Do steps a. – f. with a computer.



C

The New York Times

Business Day  
Technology

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T

## New Economy: Open-Source Movement Advances

By LAURIE J. FLYNN

Published: June 4, 2001

AS the philosophical leader of the free-software movement for nearly 20 years, Richard M. Stallman has often found himself at the center of debate — sometimes even the object of it. Last week, he fired the latest round in a war of words that had erupted a few weeks earlier between Microsoft on the one hand, and the backers of open-source and free software on the other.

P

Open source refers to a method of software development in which a program's basic instructions — its source code — are freely available to anyone who wants to tinker with and, ideally, improve them. The result, according to open-source advocates, is better software that is developed faster. Emblemmatic of the movement is GNU-Linux, the open-source operating system that has emerged as a competitor to Windows.

The free-software movement, espoused by the Free Software Foundation, which Mr. Stallman has led since 1984, is far more ideological than the open-source philosophy. Free-software proponents argue that users should be free to run, copy, distribute, study, change and improve the software they use. Mr. Stallman's detractors have accused him of being everything from a communist to a thief.

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 TWITTER

 GOOGLE+

 EMAIL

 SHARE

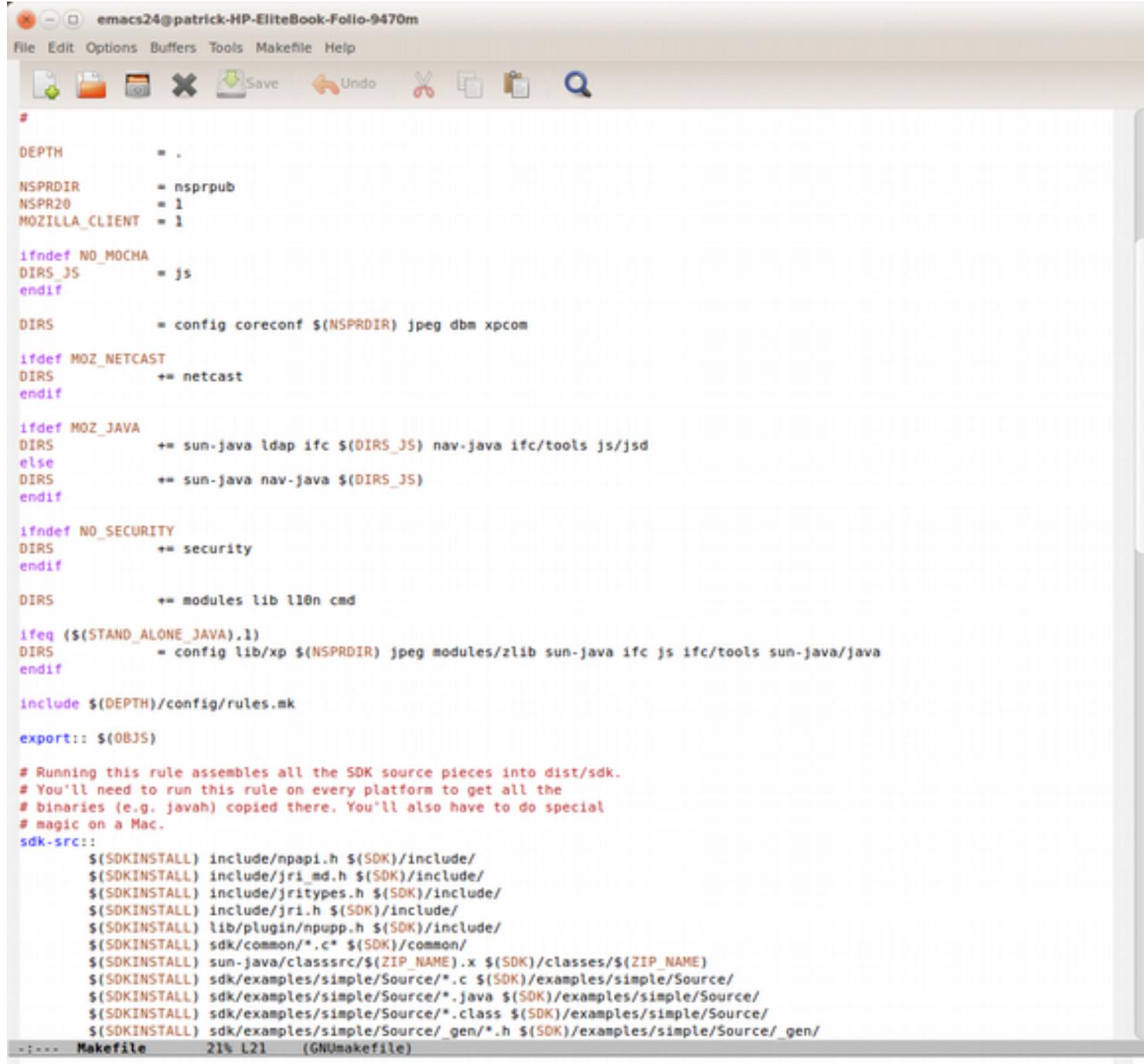
 PRINT

 REPRINTS

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The screenshot shows an Emacs window with a blue title bar containing the text "emacs24@patrick-HP-EliteBook-Folio-9470m". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Makefile", and "Help". Below the menu is a toolbar with icons for Save, Undo, Redo, Cut, Copy, Paste, and Search. The main buffer area displays a Makefile for the Mozilla NSPR library. The file defines variables like DEPTH, NSPRDIR, NSPR20, MOZILLA\_CLIENT, and various DIRS for different components like coreconf, netcast, security, and modules. It also includes rules for building Java code and assembling the SDK source pieces. The bottom status bar shows "Makefile" and "21% L21 (GNUmakefile)".

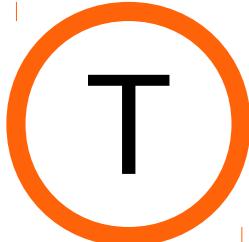
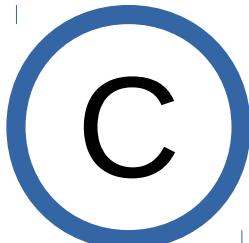
```
#  
  
DEPTH      = .  
  
NSPRDIR    = nsprpub  
NSPR20     = 1  
MOZILLA_CLIENT = 1  
  
ifndef NO_MOCHA  
DIRS_JS    = js  
endif  
  
DIRS       = config coreconf $(NSPRDIR) jpeg dbm xpcom  
  
ifdef MOZ_NETCAST  
DIRS      += netcast  
endif  
  
ifdef MOZ_JAVA  
DIRS      += sun-java ldap ifc $(DIRS_JS) nav-java ifc/tools js/jsd  
else  
DIRS      += sun-java nav-java $(DIRS_JS)  
endif  
  
ifndef NO_SECURITY  
DIRS      += security  
endif  
  
DIRS      += modules lib l10n cmd  
  
ifeq ($(STAND_ALONE_JAVA),1)  
DIRS      = config lib/xp $(NSPRDIR) jpeg modules/zlib sun-java ifc js ifc/tools sun-java/java  
endif  
  
include $(DEPTH)/config/rules.mk  
  
export:: $(OBJJS)  
  
# Running this rule assembles all the SDK source pieces into dist/sdk.  
# You'll need to run this rule on every platform to get all the  
# binaries (e.g. javah) copied there. You'll also have to do special  
# magic on a Mac.  
sdk-src:::  
    $(SDKINSTALL) include/npapi.h $(SDK)/include/  
    $(SDKINSTALL) include/jri_md.h $(SDK)/include/  
    $(SDKINSTALL) include/jritypes.h $(SDK)/include/  
    $(SDKINSTALL) include/jri.h $(SDK)/include/  
    $(SDKINSTALL) lib/plugin/npupp.h $(SDK)/include/  
    $(SDKINSTALL) sdk/common/*.c* $(SDK)/common/  
    $(SDKINSTALL) sun-java/classsrc/$(ZIP_NAME).x $(SDK)/classes/$(ZIP_NAME)  
    $(SDKINSTALL) sdk/examples/simple/Source/*.c $(SDK)/examples/simple/Source/  
    $(SDKINSTALL) sdk/examples/simple/Source/*.java $(SDK)/examples/simple/Source/  
    $(SDKINSTALL) sdk/examples/simple/Source/*.class $(SDK)/examples/simple/Source/  
    $(SDKINSTALL) sdk/examples/simple/Source/_gen/*.h $(SDK)/examples/simple/Source/_gen/  
.: Makefile 21% L21 (GNUmakefile)
```

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```
<html>
<head>
<title>Page Title</title>
<style><!--body, h1, h2 { color: #000001; font-size: 1px; } --> </style>
<link rel="stylesheet" type="text/css" href="invisible.css">
</head>
<body bgcolor="#000000 text="#FFFFFF>
<h4>
<center>
<table bgcolor="#EEEEEE>
<tr>
<td>
    Free membership--click to join!
</td>
<td>
    <font color="#EFEFEF>
        dirty nasty schoolgirl discipline swingers cartoons
    </font>
</td>
<td>
    <div class=invis>
        free buy cheap online porn videos
    </div>
</td>
</tr>
</table>
</center>
</h4>
<h2>
    porno erotik sexe sexo sex teen Britney Spears incest stories
    porno erotik sexe sexo sex teen Britney Spears incest stories
    ...
</body>
</html>
```



# Systems and methods for detecting hidden text and hidden links

Invented by Fritz Schneider and Matt Cutts

Assigned to Google

US Patent 8,392,823

Granted March 5, 2013

Filed: August 25, 2009

<https://www.google.com/patents/US8392823>



# What is a license?

## Use of Microsoft Copyrighted Content

Microsoft products and services—including images, text, and software downloads (the “content”)—are owned either by Microsoft Corporation or by third parties who have granted Microsoft permission to use the content. Microsoft cannot grant you permission for content that is owned by third parties. You may only copy, modify, distribute, display, license, or sell the content if you are granted explicit permission within the End-User License Agreement (EULA) or License Terms that accompany the content or are provided in the following guidelines. For more information, consult your copyright attorney.

### Requirements for Allowed Uses

For permission to be granted for any uses allowed by these guidelines, you must comply with the following four requirements:

#### Use full product name

If your use includes references to a Microsoft product, you must use the full name of the product. When referencing any Microsoft trademarks, follow the General Microsoft Trademark Guidelines.

#### No offensive use

Your use may not be obscene or pornographic, and you may not be disparaging, defamatory, or libelous to Microsoft, any of its products, or any other person or entity.

#### Link Methods

You may link to Microsoft content by using either a plain text link with words such as “This way to Microsoft.com” or by participating in an applicable Link Logo program. No other images may be used as a link to a Microsoft site.

#### Permitted by Microsoft

You must include the following statement: “Used with permission from Microsoft.”



Advertising and Advertisements



Box Shots



Clip Art and Sample Media



Donations of Product

#### Copyright FAQ



#### Microsoft's Licensing Terms



#### Trademarks Home



# What is a license?

License

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License

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License

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# What is a license?

Copyright License

Patent License

Trademark License

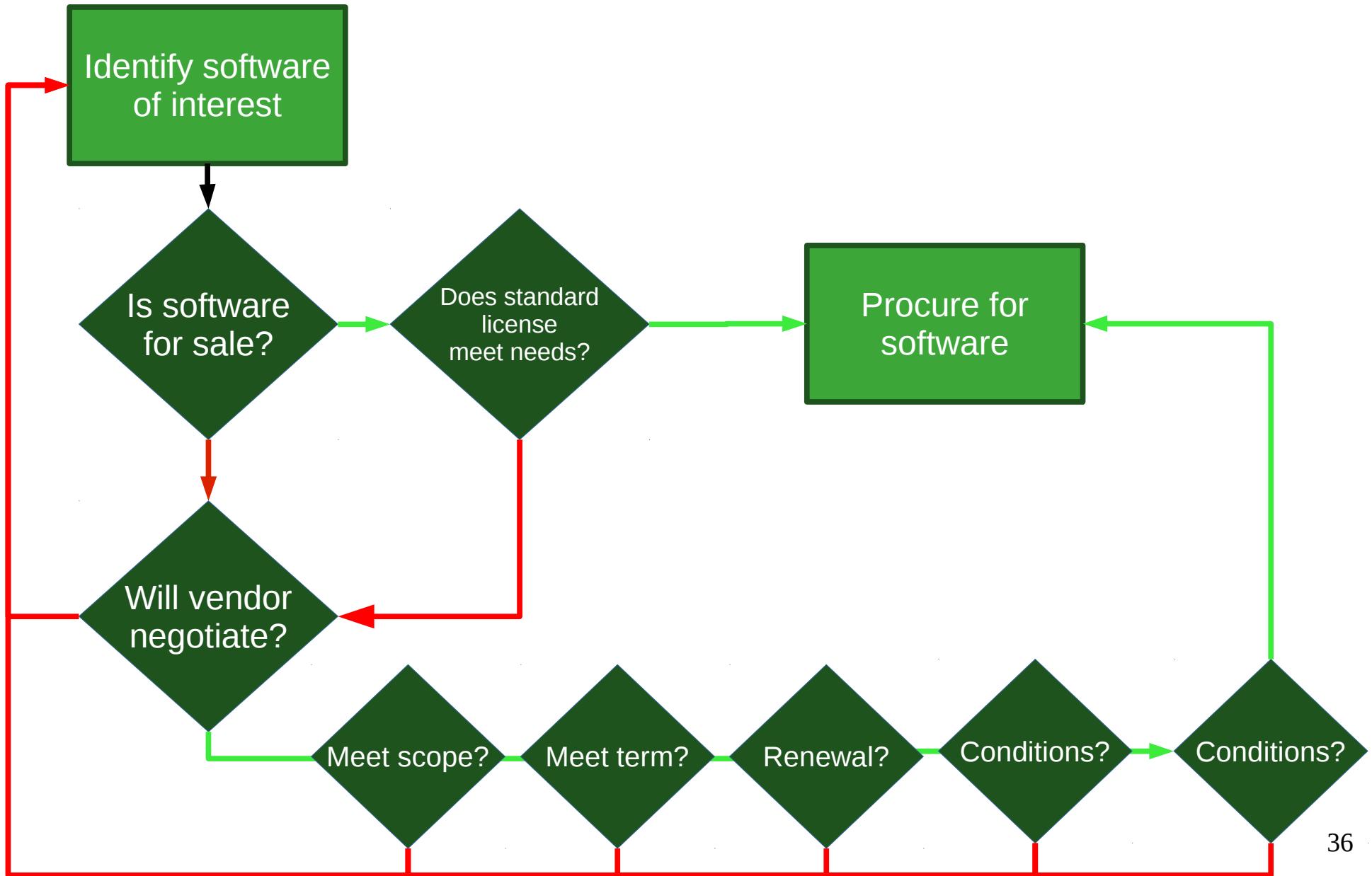
# What is a license?

- ***permissions*** from an authority to own or use something, do a particular thing, or carry on a trade.
- grant ***permission*** to (someone or something) to use something or to allow an activity to take place.

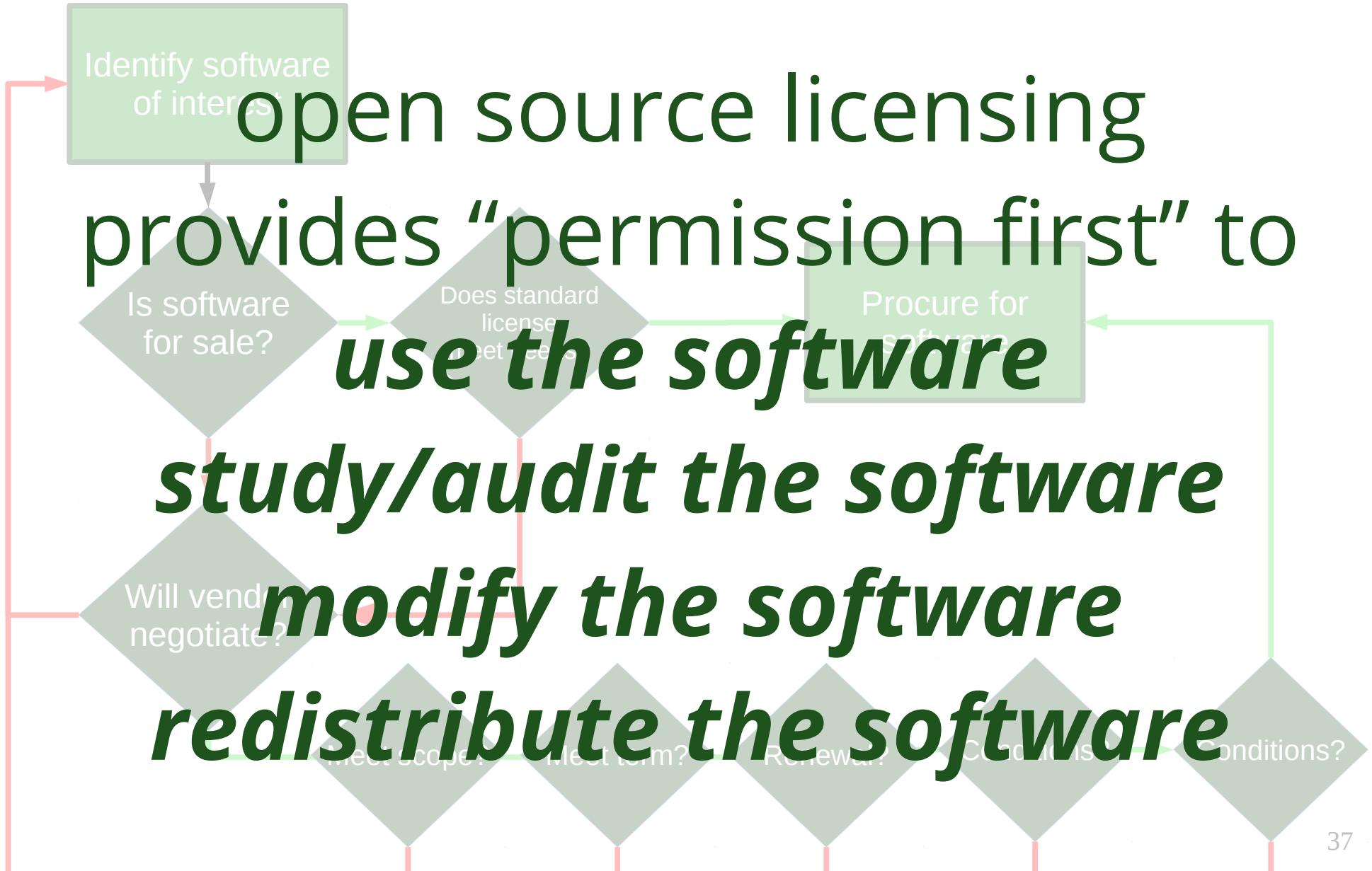
# What is a license?

- Scope: What is being licensed, who can use the IP, for what?
- Duration: How long will the license be?
- Renewal: Are there conditions for renewing?
- Conditions of use: Are there standards to be met?
- Indemnification: How are parties protected against liabilities?
- Audit: How is the license terms enforced?
- IP Protection: How will parties preserve exclusivity?
- Warranties: What protections are in place?
- Payment: How much will this cost?
- Infringement: What are the penalties for violations?

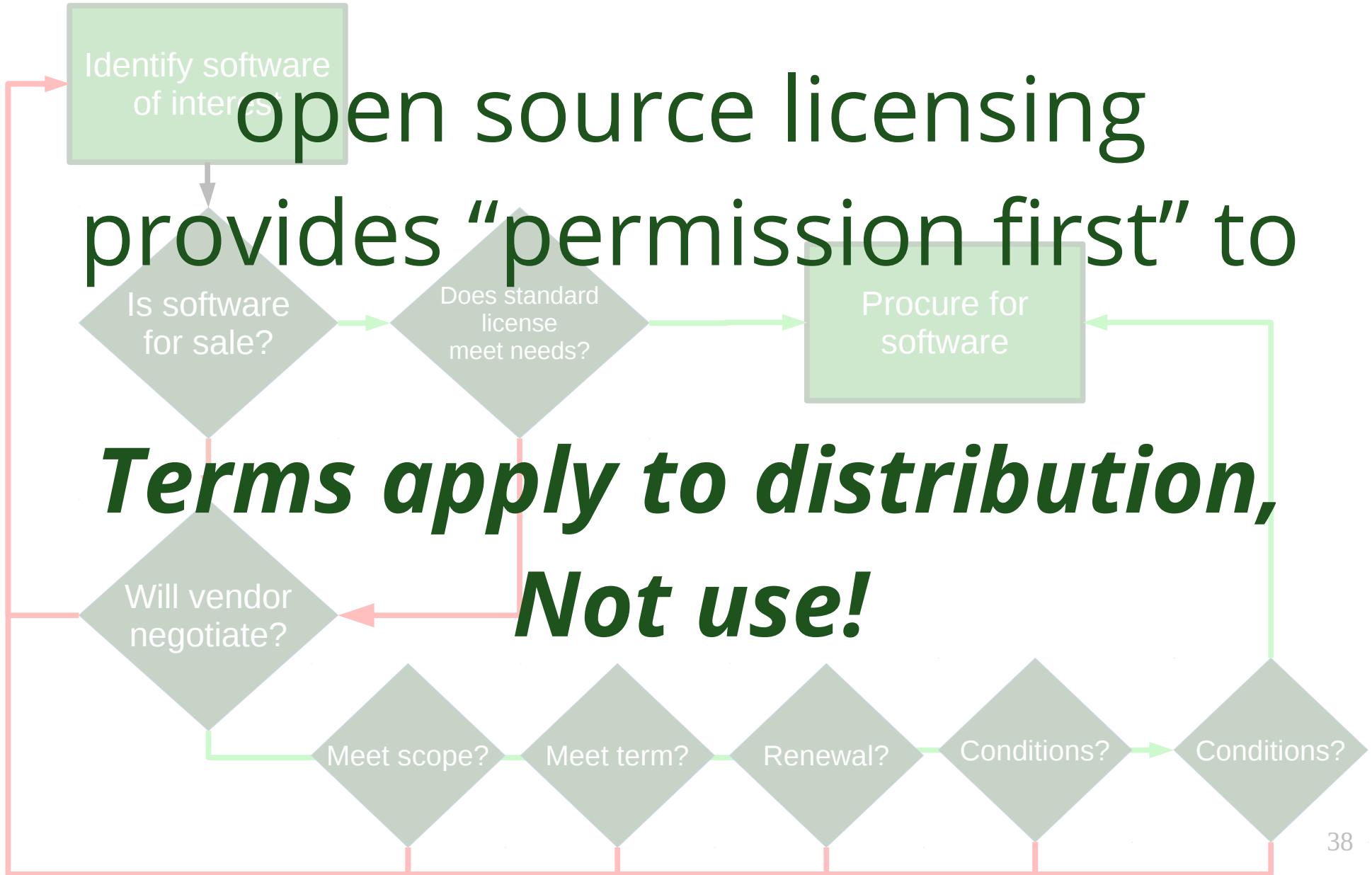
# Traditional Licensing Process



# Licensing Process



# Licensing Process



# Terms a license, Considering OSD

- Scope: What is being licensed, who can use the IP, for what?
- Duration: How long will the license be?
- Renewal: Are there conditions for renewing?
- Conditions of use: Are there standards to be met?
- Indemnification: How are parties protected against liabilities?
- Audit: How is the license terms enforced?
- IP Protection: How will parties preserve exclusivity?
- Warranties: What protections are in place?
- Payment: How much will this cost?
- Infringement: What are the penalties for violations?

# The Open Source Definition

1. Free Redistribution
2. Source Code
3. Derived Works
4. Integrity of The Author's Source Code
5. No Discrimination Against Persons or Groups
6. No Discrimination Against Fields of Endeavor
7. Distribution of License
8. License Must Not Be Specific to a Product
9. License Must Not Restrict Other Software
10. License Must Be Technology-Neutral



MIT!

Permissive

Free Software

Copyleft

GPL

Open Source

# Copyleft & Permissive Licenses

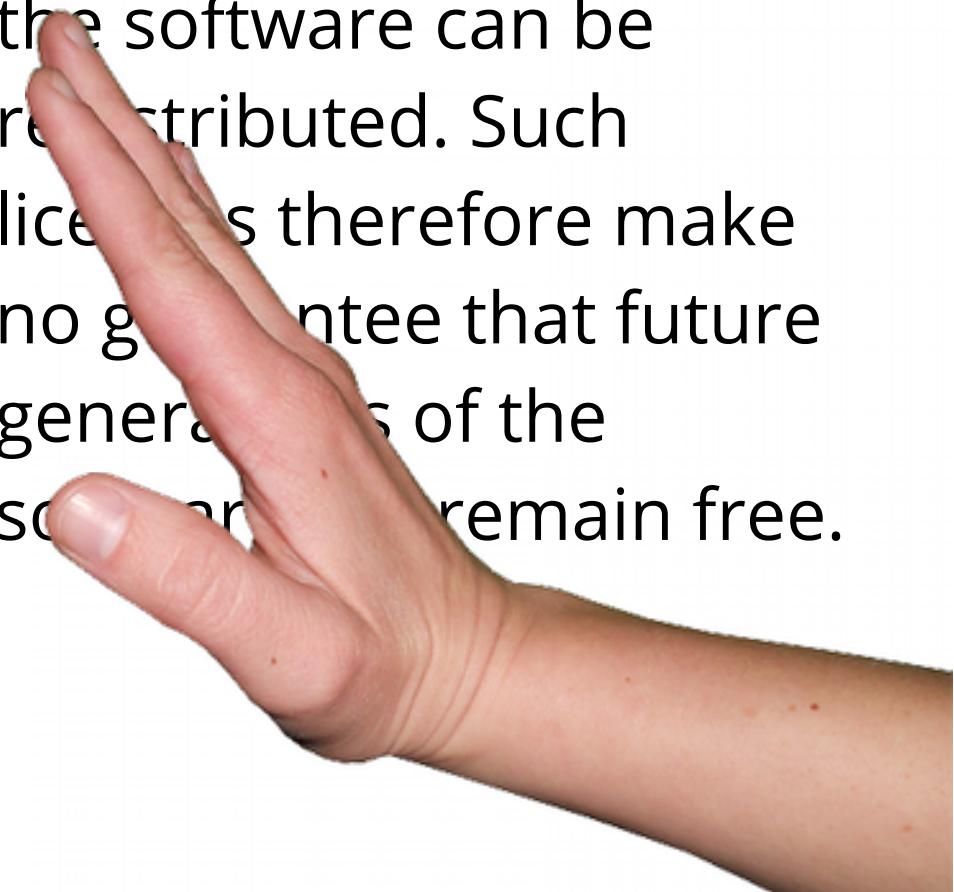
- Copyleft is a general method for making a program ***free***, and requiring all modified and extended versions of the program to be ***free*** as well.
- A permissive license prescribes minimal requirements about how the software can be redistributed. Such licenses therefore make no guarantee that future generations of the software will remain ***free***.

# Copyleft & Permissive Licenses?

- Copyleft is a general method for making a program free, and requiring all modified and extended versions of the program to be free as well.

- A permissive license prescribes minimal requirements about how the software can be redistributed. Such licenses therefore make no guarantee that future generations of the software will remain free.

Wait



*“Unquestionably one of the great seminal figures of the hacker culture.”*

—Eric Raymond, open source evangelist and author of *The Cathedral and the Bazaar*

# FREE AS IN FREEDOM

## RICHARD STALLMAN’S CRUSADE FOR FREE SOFTWARE



SAM WILLIAMS

The freedom to run the program as you wish, for any purpose (freedom 0).

The freedom to study how the program works, and change it so it does your computing as you wish (freedom 1). Access to the source code is a precondition for this.

The freedom to redistribute copies so you can help your neighbor (freedom 2).

The freedom to distribute copies of your modified versions to others (freedom 3). By doing this you can give the whole community a chance to benefit from your changes. Access to the source code is a precondition for this.

# Copyleft & Permissive Licenses

***All provide software freedom***

## Copyleft

General Public  
License (GPL)  
Affero GPL (AGPL)

## Lesser

Eclipse (EPL)  
Mozilla (MPL)  
Lesser GPL (LGPL)

## Permissive

Apache  
BSD  
MIT

Public Domain

# Derivative Works

A “derivative work” is a work based upon one or more preexisting works, such as a translation, musical arrangement, dramatization, fictionalization, motion picture version, sound recording, art reproduction, abridgment, condensation, or any other form in which a work may be recast, transformed, or adapted.

A work consisting of editorial revisions, annotations, elaborations, or other modifications which, as a whole, represent an original work of authorship, is a "derivative work".

# Derivative Works

If you create a derivative work from code distributed under a “**Copyleft**” license, you must honor the reciprocity provision and publish the source code of your derivative works that you distribute.

If you create a derivative work from code distributed under a “**Permissive**” license little more than attributing the original portions of the licensed code to the original developers in your own code and/or documentation is required.

# tl;dr Legal

MIT License (Expat) Expat

<https://tldrlegal.com/license/mit-license>

tl;drLegal | Lookup Code Licenses, EULAs, ToS & Software Licenses | [Browse](#) | [Submit](#) | [Pages](#) | [Sign Up](#) | [Log In](#)

MIT License (Expat) ✓

Code License managed by [kevin](#), submitted 20 months ago. #Open Source #OSI-Approved #Permissive

[Summary](#) | [Fulltext](#) | [Changesets](#) | 107319

---

## Quick Summary

A short, permissive software license. Basically, you can do whatever you want as long as you include the original copyright and license notice in any copy of the software/source. There are many variations of this license in use.

---

Can	Cannot	Must
▶ Commercial Use	▶ Hold Liable	▶ Include Copyright
▶ Modify		▶ Include License
▶ Distribute		
▶ Sublicense		
▶ Private Use		

Feedback

Disclaimer: This is only a short summary of the Full Text. No information on TLDRLegal is legal advice.

# tl;dr Legal

GNU General Public License v3 (GPL-3)

Code License managed by kevin, submitted 20 months ago. #Copyleft #GNU #OSI-Approved #Open Source

Summary Fulltext Changesets 84577

## Quick Summary

You may copy, distribute and modify the software as long as you track changes/dates in source files. Any modifications to or software including (via compiler) GPL-licensed code must also be made available under the GPL along with build & install instructions.

Can	Cannot	Must
▶ Commercial Use	▶ Sublicense	▶ Include Original
▶ Modify	▶ Hold Liable	▶ State Changes
▶ Distribute		▶ Disclose Source
▶ Place Warranty		▶ Include License
▶ Use Patent Claims		▶ Include Copyright

## Quick Summary

[Edit](#)

A short, permissive software license. Basically, you can do whatever you want as long as you include the original copyright and license notice in any copy of the software/source. There are many variations of this license in use.

Can	Cannot	Must
▶ Commercial Use	⚠ Hold Liable	⚠
▶ Modify		⚠
▶ Distribute		⚠
▶ Sublicense		⚠
▶ Private Use		⚠

## Quick Summary

[Edit](#)

You may copy, distribute and modify the software as long as you track changes/dates in source files. Any modifications to or software including (via compiler) GPL-licensed code must also be made available under the GPL along with build & install instructions.

Can	Cannot	Must
▶ Commercial Use	⚠ Sublicense	⚠
▶ Modify	⚠ Hold Liable	⚠
▶ Distribute		⚠
▶ Place Warranty		⚠
▶ Use Patent Claims		⚠

# Terms of the copyleft, e.g. GPL?

- Scope: What is being licensed, who can use the IP, for what?
- Duration: How long will the license be?
- Renewal: Are there conditions for renewing?
- **Conditions of use: Are there standards to be met?**
- Indemnification: How are parties protected against liabilities?
- Audit: How is the license terms enforced?
- IP Protection: How will parties preserve exclusivity?
- Warranties: What protections are in place?
- Payment: How much will this cost?
- Infringement: What are the penalties for violations?

# Permissive terms, e.g. MIT?

- Scope: What is being licensed, who can use the IP, for what?
- Duration: How long will the license be?
- Renewal: Are there conditions for renewing?
- **Conditions of use: Are there standards to be met?**
- Indemnification: How are parties protected against liabilities?
- Audit: How is the license terms enforced?
- IP Protection: How will parties preserve exclusivity?
- Warranties: What protections are in place?
- Payment: How much will this cost?
- Infringement: What are the penalties for violations?

# Public Domain Terms?

- Scope: What is being licensed, who can use the IP, for what?
- Duration: How long will the license be?
- Renewal: Are there conditions for renewing?
- **Conditions of use: Are there standards to be met?**
- Indemnification: How are parties protected against liabilities?
- Audit: How is the license terms enforced?
- IP Protection: How will parties preserve exclusivity?
- Warranties: What protections are in place?
- Payment: How much will this cost?
- Infringement: What are the penalties for violations?

Is Public Domain  
Free and/or Open Source Software?

# Which is Better?

“constitutions of communities” - Eben Moglen

“express the consensus of how a community chooses to collaborate” - Simon Phipps

It is natural that different communities will have different licenses, that communities with different norms will find fault with the licenses used by others, and that all will regard their way as optimum.

# Licensing Strategies

Foster continued development:  
I, and you, benefited from open source software,  
we will benefit if they contribute too.

Foster distribution of code:  
If everyone relies on my work,  
We all will be committed to continue development.  
“broader adoption == more powerful and reliable”

# Licensing Philosophies

“The two terms [*Free* and *Open Source Software*] describe almost the same category of software, but they stand for views based on fundamentally different values.” - RMS

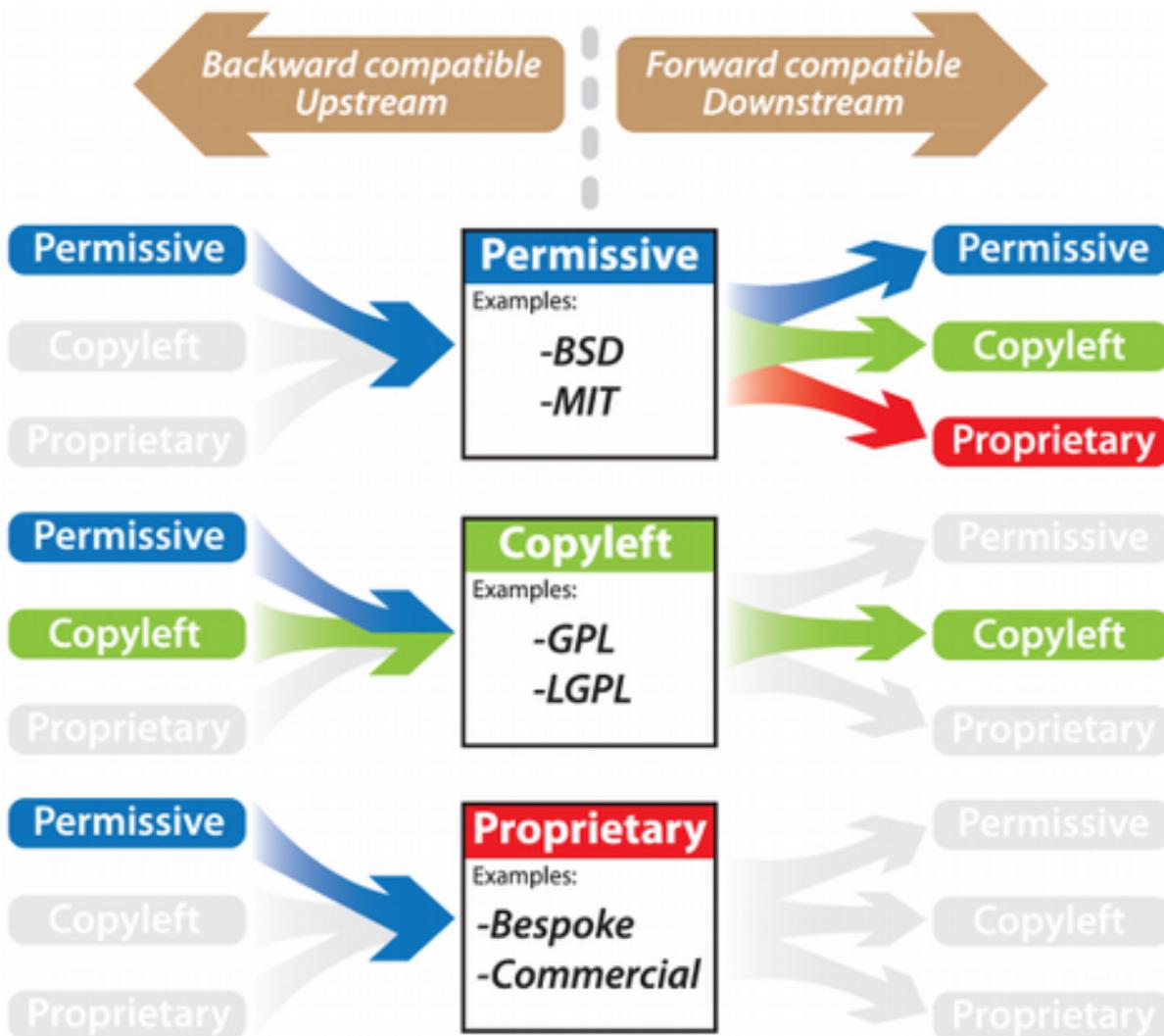
**Free Software / Copyleft Licenses:** “a social movement,” an ethical imperative, essential respect for the users' freedom.

**Open Source / Permissive Licenses:** practical, pragmatic approach to developing better software and communities.

<http://www.gnu.org/philosophy/open-source-misses-the-point.en.html>

# License Compatibility

- License compatibility is an issue that arises when licenses applied to copyrighted works, particularly licenses of software packages, can contain contradictory requirements, rendering it impossible to combine source code or content from such works in order to create new ones



# “Post Open Source”

## disdain or disregard for both licensing and governance

The screenshot shows a magazine spread from WIRED magazine. The top half features a large, bold title: "THE GITHUB REVOLUTION: WHY WE'RE ALL IN OPEN SOURCE NOW". Below the title is a network diagram consisting of several black GitHub octocat icons connected by blue arrows, symbolizing a distributed network or community. The bottom half of the spread contains a detailed illustration of the GitHub logo, showing a large central octocat surrounded by smaller ones, all connected by a web of blue lines.

WIRED

The GitHub Revolution: Why We're All in Open Source Now

BUSINESS DESIGN ENTERTAINMENT GEAR SCIENCE SECURITY

THE GITHUB REVOLUTION:  
WHY WE'RE ALL IN OPEN  
SOURCE NOW



**digitalfreddy** @digitalfreddy · 11h

@spark\_io I just discover that your licence is not at [@OpenSourceOrg](#) list  
[opensource.org/licenses/alpha...](#) finally you are or not #OpenSource?



**Jim Jagielski** @jimjag · Apr 21

"While licenses are not required for open source projects"... HUH?? What sort of misinformation is THAT? [business2community.com/tech-gadgets/g...](#)



9



1



10



[View summary](#)



**Jim Jagielski** @jimjag · Apr 21

Unless a project has an OSI approved license, it is NOT an "open source" project.  
lc [@OpenSourceOrg](#) #opensource #GitHub



**Sam Shawki** @sshawki · Apr 20

Anyone know why an opensource project on [@sourceforge](#) is password protect  
with no reference on how to unlock? [@OpenSourceOrg](#)



1



**Madeleine Ball** @madprime · Apr 14

Introducing the new #ResearchKit-BSD license! [@OpenSourceOrg](#) has a new  
license to review. :D [github.com/ResearchKit/Re...](#)  
cc [@paultag](#)



...

[View summary](#)



**htilonom** @htilonom · Apr 8

When will open source community react to #anonabox stealing open source  
software and claiming it theirs? [@OpenSourceOrg](#)



3



**Hessel van Tuinen** @HesselvanTuinen · Feb 28

@OpenSourceOrg Q: Any open source code for iBeacons available yet?  
#ibeacons #open #location #multidevice



1





## OPEN SOURCES

By Matt Asay | Follow

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TechRepublic / U.S. ▾

# The GitHub kids still don't care about open source

By Matt Asay March 30, 2015, 3:12 PM PST // [mjasay](#)



Most GitHub repositories still don't carry a license. This is a problem. Matt Asay explains why.

## We're living in a post-open source world

Increasingly, software isn't sold, it's used to power services offered over the Internet. So why contend with the complexities of open source licensing?

The screenshot shows the homepage of opensource.com. The top navigation bar includes links for "Articles", "Resources", "Community", "About", and "The Open Org". A banner at the top right features the Red Hat logo and the text "SUPPORTED BY RED HAT". The main content area features a large heading "DISCOVER AN OPEN SOURCE WORLD" and a sub-headline "The new software hygiene: Declare a license or risk losing participation". Below this is a bio for Stephen R. Walli and a rating section. The footer of the page includes the "The Register" logo and the tagline "Biting the hand that feeds IT".



James Handwaver

@monkchips



Follow

younger devs today are about POSS - Post open source software. fuck the license and governance, just commit to github.

RETWEETS  
62 FAVORITES  
39



2:34 AM - 17 Sep 2012

A DATA CENTER SOFTWARE NETWORKS SECURITY INFRASTRUCTURE BUSINESS HARDWARE SCIENCE

Software ▾ Developer

**Study: Most projects on GitHub not open source licensed** 44

Kids these days, they just don't care

18 Apr 2013 at 01:22, Neil McAllister

165 27 8+ 3

Code-sharing website GitHub has grown so popular that it and open source are practically synonymous for many developers. But new research shows that most of the projects now on GitHub are released under license terms that are unclear, inconsistent, or nonexistent, leaving their legal status as open source software uncertain.

# “Post Open Source”



New Open Source Website/ Web app (self.opensource)  
submitted 9 hours ago by Rautaisetlintu

Hello everyone, I am currently working on a website/web app and I was thinking of making it open source but since I've never made stuff open source what else is needed besides github? Anyone can contribute if they wish.  
Thanks.

Percentage of repositories licensed

<https://github.com/blog/1964-open-source-license-usage-on-github-com>



## JavaScript strange syntax

16 I'm getting around to learning JavaScript - really learning JavaScript. I come from a PHP background so some JavaScript concepts are still new to me, especially asynchronous programming. This question might have already been answered many times before but I have not been able to find an answer. It might be because I don't really even know how to ask the question other than by showing an example. So here it is:

When using the deferred package from npm, I see the following example:

```
1 delayedAdd(2, 3)(function (result) {
  return result * result
})(function (result) {
  console.log(result); // 25
});
```

mhlz's answer is very clear. As a supplementary, here I compose a `delayedAdd` for you to better understand the process

```
7 function delayedAdd(a, b) {
  var sum = a + b
  return function(f1) {
    var result1 = f1(sum)
    return function(f2) {
      f2(result1)
    }
  }
}
```

Where in your example code, the function you passed as `f1` is:

```
function (result) {
  return result * result
}
```

and `f2` is:

```
function (result) {
  console.log(result)
}
```

share improve this answer

answered 42 mins ago



Leo  
4,372 ● 7 ● 24

# “Post Open Source”

Post Open Source Software

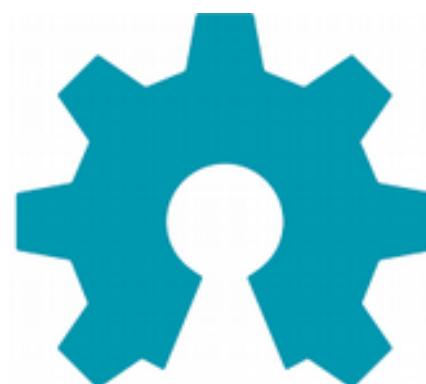
<http://opensource.com/law/13/8/github-posse-licensing>



No explicit license == "all rights reserved"

Richard Fontana, OSI Board Director &  
Intellectual Property Counsel/Open Source Licensing  
and Patent Counsel at Red Hat.

# Open\* ?!?!? !? !? !? !? !? !?





# OSHWA

OPEN SOURCE HARDWARE ASSOCIATION

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## OSHWA is having a Membership Drive!

1

Posted on December 15, 2014 by [aileen](#)

We are launching a Membership Campaign to double our members of like-minded individuals and companies between now and January 15, 2015. Help us reach our goal by spreading the word: [www.oshwa.org/membership/](http://www.oshwa.org/membership/). We will keep you all updated on our membership drive as things progress. If you have innovative ideas on how we can attract more members, please get in touch with Aileen at [info@oshwa.org](mailto:info@oshwa.org). We welcome your ideas.

### ARCHIVES

- [December 2014](#)
- [October 2014](#)
- [September 2014](#)
- [June 2014](#)
- [May 2014](#)
- [April 2014](#)
- [February 2014](#)
- [January 2014](#)
- [December 2013](#)
- [November 2013](#)
- [October 2013](#)



## Our Mission

Open Source Robotics Foundation, Inc. (OSRF) is an independent non-profit organization founded by members of the global robotics community. The mission of OSRF is to support the development, distribution, and adoption of open source software for use in robotics research, education, and product development.

We are located in the San Francisco Bay Area.

Check out [our projects](#) and get involved in robotics!

To stay up to date with future announcements, [contact us](#) directly.

## From Our Blog

### [Clearpath offers ROS consulting service](#)

Our friends at Clearpath Robotics announced today that they're offering ROS consulting services for enterprise R&D projects. And they've committed to giving part of the proceeds to OSRF, to support... [\[Read More\]](#)

### [The Value of Open Source Simulation](#)

As part of the run-up to the DARPA Robotics Challenge Finals in June, check out this piece on the role of tools like Gazebo: "The Value of Open Source Simulation... [\[Read More\]](#)

# OPEN-SOURCE DRONES FOR FUN AND PROFIT

**F**RIDAY IS FLY DAY at 3D Robotics, a maker of small robotic aircraft. So here we are, on a windswept, grassy landfill with a spectacular view of San Francisco's Golden Gate Bridge, looking up at a six-prop copter with a gleaming metal frame. It's like a spiffy toy from the future. Buzzing like a swarm of bees, it lifts off smartly, hovers, then pinwheels.

"Jason's making the hex twirl," says CEO Chris Anderson, a trim man in jeans and an untucked oxford shirt. "That's just for show—a human pilot couldn't





# Open Source Washing Machine Project

## searching free and low-cost alternatives to hand washing

[rss](#)

[CONTACT](#)

## About

*Most of the people in this planet, mostly women, wash clothes by hand in harsh conditions related to poverty, lack of sanitation, water or energy. The biggest problem is the time and the energy consumed for this task: hours and hours per week, real painful task for the body and mind, during most of their life...*

In rich countries, women started to emancipate themselves, started to be educated, started to have time for themselves and their children when washing machines arrived in the first half of the XXth century. This was a major step in gender equality, a big step in human rights. Could the future of the world be linked to washing technologies ?

If you live in a rich country, ask your grandmothers ! their answer will surprise you !



## Pages

### About

- + [News](#)
- + [History](#)
- [OSWash project](#)
- [Washing technologies](#)
- + [Rotating washing machines](#)
  - + [Portable rotating engine for any bucket](#)
  - + [Vibration washing machines](#)
  - + [Brushing and batting systems](#)
  - + [Water pressure systems](#)
  - + [Bubbling systems](#)
  - + [Bacterial washing systems](#)
  - + [Ultrasonic machines](#)
  - + [Other biological systems...](#)
- [Gallery](#)
- + [Tests](#)
- [Detergents](#)
- [Bricolabs](#)



# Bringing together design and open source

We are a community of designers and developers aiming to push more open design processes and improve the design of open source apps

## Jobs page

A job board for medium- to large-sized design tasks from open source projects.

[Check out open source design jobs](#)

## Chat app

A nice chat app for open source developers and designers to collaborate. It uses IRC as base technology since most open source projects use IRC and it's an open protocol unlike modern chat & collaboration apps. We're basing it off [Shout](#).



[opensourcedesign](#)



[opensrcdesign](#)

We are a community of designers and developers aiming to push more open design processes and improve the design of open source apps



apr 08, 2014

## 20 Open Source Furniture Designs



Share on Facebook



Share on Twitter



<http://www.shareable.net/blog/20-open-source-furniture-designs>

### open source furniture by philippe starck for TOG

<http://www.designboom.com/design/open-source-furniture-philippe-starck-for-tog-04-08-2014/>

+ TOPICS

# How to Hack Your Way to Product Success

April 22nd, 2015

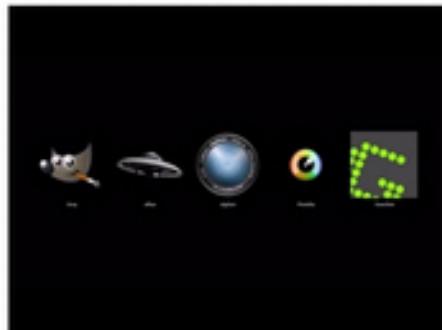
Business Strategy, Startup Tech

# Mobile Is Not Meant For Conversion

April 13th, 2015

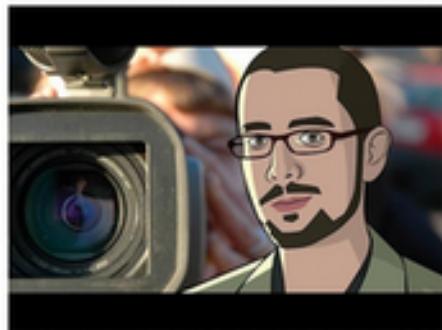
Business Strategy, Mobile, Online Commerce, Retail Strategy

# Open Source Photography



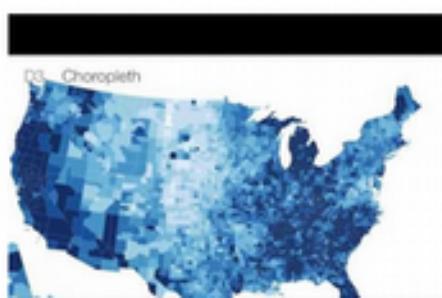
## Best Digital Photography Software (Open Source / Free)

<http://tjfree/digital-photography--image-software/> Here free programs good working digital photography. Gimp - Bitmap Image Editor Similar Photoshop ufRaw...



## Open Broadcaster Software for Linux: Free, open source software for live streaming and recording

Available <http://OBSProject>. Official installation instructions:  
<https://obsproject.com/forum/threads/ubuntu-14-04-14-10-ppa-installation-instructions.16495> First Recording: <http://youtu...>



## D3.js - The Future of Open Source BI?

<http://d3js.org/> - VISIT THIS LINK Mike Bostock' development project producing beautiful BI . [mbostock.github.io/d3/](https://mbostock.github.io/d3/)



Open Source Beehives

FORUM SOURCE FILES CONTACT

GET YOUR BEEHIVE

# Open Source Beehives

Beehives Available Now On the [AKER Campaign!](#)

*March through April 12th!*

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<http://www.opensourcebeehives.net/>



# open source seed initiative

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## Home



<http://osseeds.org/>



OPEN SOURCE FOOD  
browse, create & share recipes

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[Register here](#)



## COOK TONIGHT

using ingredients you already have!

### Tastebud on iPhone

Finds delicious recipes based on ingredients you already have in your kitchen - no grocery store trip required!

[Download Now!](#)

Just Eggs oza & Pomegranate Ponzu  
by yongfook<sup>PRO</sup>

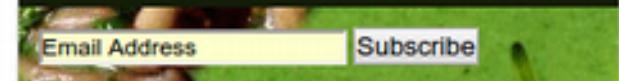
23

Amazing [Recipes](#). Delicious Food. Beautiful Photography. Created and rated by you and fellow food-lovers from all over the world. **Open Source Food** is your gastronomic hub where every visit will bring inspiration and a rumbling belly...

[Search Recipes](#)

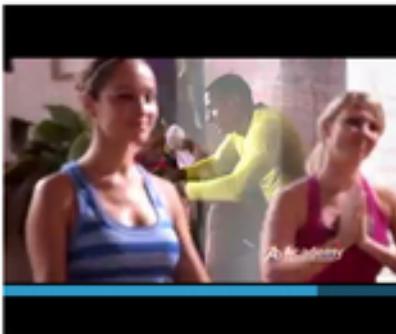
### FREE RECIPES IN YOUR INBOX!

No membership needed! Subscribe to get a weekly newsletter of Open Source Food's TOP RECIPES, with pics!



# Open source cola and the 'Napster moment' for the food business

CULTURE / 15 APRIL 13 / by IAN STEADMAN



The revolution in 3D printing is seeing enthusiasts sharing designs for everything from chairs to guns to faces. With small steps, it's even making its way into the world of food.

That might seem the most natural of all, on the face of it. Food is a social thing, from the sharing of recipes to the sharing of a meal. But it's a different kind of sharing to that we associate with other arts. Sharing a recipe isn't an economic issue for the food industry like sharing a song is to the music industry -- but what if you could print off not just a hamburger, but a Big Mac? For a look at how this future might turn out, let's look at the Coca-Cola recipe.

Unless you're in Cuba or North Korea right now you live in a country where Coca-Cola is easily available. The contents of the bottle you buy in Botswana or Bolivia has the same ingredients (give or take the odd regional variation such as cane sugar versus corn syrup) as the contents of the bottle you buy in China or Chile.



Which cola is "the Real Thing"? Shutterstock

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HOME BREWING

3

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# The Open Source Brewing Movement

BY MIKE STUART · FEBRUARY 27, 2014

The internet has had a monumental impact on bringing together like-minded folks to freely share education and creativity. The information sharing juggernaut has also been integrated into the craft beer brewing community. Nowhere is this more evident than a growing number of professional, for-profit, breweries openly sharing their beer recipes with homebrewers (and often, their primary customer). They've taken one of their most valuable intellectual assets and put it out there for the community to embrace and learn from.

SHARE

54



128



10



2



## The Open Source Spectrum

There are a number of breweries that openly share their recipes. A few that come to mind are Modern Times, Avery, Deschutes, and Ballast Point. There is a spectrum of open source ranging from all of their recipes, to a few select beers, to sharing the ingredients but not the proportions. However, these brewers obviously embrace their homebrewing roots and provide a platform for others to either recreate a known entity or use it as a springboard to something altogether different.

<http://brewprof.com/the-open-source-brewing-movement/>

[OSI-TM] [Trademark enquiries] use of 'open source' in a domain name

Reply Group Reply Forward Print Delete Mail Back Next

**From:** [dpdaug@gmail.com](mailto:dpdaug@gmail.com)  
**To:** [trademarks@opensource.org](mailto:trademarks@opensource.org)  
**Subject:** [OSI-TM] [Trademark enquiries] use of 'open source' in a domain name  
**Date:** Mon, 25 May 2015 15:33:13 +0000 (UTC) (05/25/2015 11:33:13 AM)

Dan Daugherty ([dpdaug@gmail.com](mailto:dpdaug@gmail.com)) sent a message using the contact form at <http://opensource.org/contact>.

Hello,

I blog about hard cider, mead (honey wine), and how to make them. I'm working on a concept for a cider-making company which is very open in terms of its process and ingredients, and which involves and educates customers extensively as part of the experience.

The term that keeps coming to mind is 'Open Source Cider'. However, I'm aware that OSI holds trademarks around the concept, so I thought I'd contact you to get your position on the matter.

Would you permit the use of the above name--or the domain [opensourcecider.com](http://opensourcecider.com)--completely unrelated to software and in a fashion which clarifies that there is no affiliation with the OSI, or would you consider it a trademark violation?

Thanks for your time,

Dan Daugherty  
[dpdaug@gmail.com](mailto:dpdaug@gmail.com)

Report as inappropriate:  
[http://opensource.org/mollom/report/mollom\\_content/1505256b14144513db](http://opensource.org/mollom/report/mollom_content/1505256b14144513db)

---

Trademarks mailing list  
[Trademarks@opensource.org](mailto:Trademarks@opensource.org)  
<http://projects.opensource.org/cgi-bin/mailman/listinfo/trademarks>

BRIGHT IDEAS

# Open-source streetlamps from old soda bottles are making streets safer for women



<http://qz.com/382486/open-source-streetlamps-from-old-soda-bottles-are-making-streets-safer-for-women/>

Richard Baraniuk:

# The birth of the open-source learning revolution



TED2006 · 18:34 · Filmed Feb 2006

Subtitles available in 26 languages

 View interactive transcript

Share  
this idea



879,593 Total views

 Share this talk and  
track your influence!

In 2006, open-learning visionary Richard Baraniuk explains the vision behind Connexions (now called OpenStax), an open-source, online education system. It cuts out the textbook, allowing teachers to share and modify course materials freely, anywhere in the world.

# UMass students, librarians want more faculty to use open source textbooks to save students money



CAMPUS LIFE

## SUNY Schools To Use Free Open Textbooks Next Semester

By Emily Schwartz

[Like](#) 218 [Share](#) [Tweet](#) 107 [Share](#)



# California Takes a Big Step Forward: Free, Digital, Open-Source Textbooks

MEGAN GARBER | SEP 30 2012, 9:20 AM ET

*A Golden State experiment with nationwide impact*



Governor Jerry Brown meets with university students while signing legislation aimed to offer them financial aid (AP)



## ***College first Massive Open source Online Course (MOOC)***

*I began but did not finish my first MOOC (Massive Open-Source, Online Course). Harvard's Michael Sandel's popular class, "Justice," on political philosophy.*

*The Gates grantees aren't the only ones giving open-source courses a whirl.*

Are you seeing other examples of this Mini-MOOC trend (free, open source courses by a startup or organization)? Tell us about it in the comments section below.

## ***MOOC (massive open source online course)***

*A MOOC is an open source online course that is, in general, hosted by an established leader in higher education and online learning.*

***MBA program based on open source courses from edX, Coursera, and others.***

*MITx: an independent, not-for-profit company that would offer massive online courses from MIT on an open-source basis.*

***...capitalize on the intense demand for high-quality, open-source online courses. Based on the popularity of the MOOC offerings online so far, we know that open-source courses at elite universities have the potential to serve enormous "classes."***

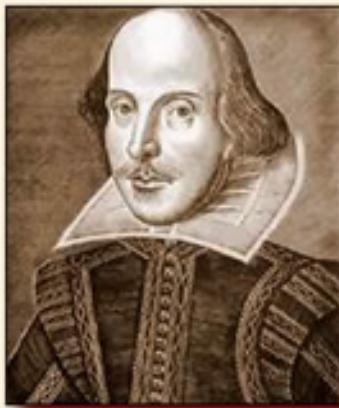
*A MOOC is essentially an open source classroom. I attended a live Blackboard Connect class with over 250 educators from all over the world... it was fascinating.*

*MOOC development emerged from the most elite universities, which initially offered their open-source courses as a tool to help students succeed in introductory classes.*

*Many agencies outside of academia also find these open source courses beneficial as they allow employees to acquire new knowledge without spending corporate money.*

# OpenSourceShakespeare

AN EXPERIMENT IN LITERARY TECHNOLOGY



William Shakespeare  
1564-1616

## PLAYS

All's Well That Ends Well  
Antony and Cleopatra  
As You Like It  
Comedy of Errors  
Coriolanus  
Cymbeline  
Hamlet  
Henry IV, Part I  
Henry IV, Part II  
Henry V  
Henry VI, Part I  
Henry VI, Part II  
Henry VI, Part III  
Henry VIII  
Julius Caesar  
King John  
King Lear  
Love's Labour's Lost  
Macbeth  
Measure for Measure  
Merchant of Venice  
Merry Wives of Windsor  
Midsummer Night's Dream  
Much Ado about Nothing  
Othello  
Pericles  
Richard II  
Richard III  
Romeo and Juliet  
Taming of the Shrew

- Use [Mobile Open Source Shakespeare](#) on your mobile device
- Add a [Shakespeare search box](#) to your browser

## Features

concordance + keyword search + advanced search + statistics

## Plays

by genre + by number of words + by number of speeches + character list + character search

## Sonnets and Poems

individual sonnets + sonnets compared side-by-side + all sonnets + all poems



## More than just a collection of texts...

Open Source Shakespeare attempts to be the best free Web site containing Shakespeare's complete works. It is intended for scholars, thespians, and Shakespeare lovers of every kind. OSS includes the 1864 Globe Edition of the complete works, which was the definitive single-volume Shakespeare edition for over a half-century. [READ MORE...](#)



## Why use Open Source Shakespeare?

This site was built with four attributes in mind: **Power, Flexibility, Friendliness, and Openness**. It won't replace the expensive, subscription-only sites at libraries or research institutions, but you can use the [advanced search function](#), read the [plays](#), and look up words in the [concordance](#).

From June 2006 to August 2014, Open Source Shakespeare hosted over 6.5 million unique visitors, who logged over 32.7 million page views.

Users performed over 1.5 million [searches](#) from September 2012 to August 2014.

## TEXT SEARCH

Search in work:

ALL WORKS ▾

Search

For more search options, try the [advanced search](#).

## CONCORDANCE SEARCH

- Exact spelling  
 First part of a word  
 Any part of a word

Search

## CHARACTER SEARCH

Search

Enter a name, or the first part of a name, to locate the character(s) you want to find  
[Full search page](#)

# OPEN SOURCE

ON VIEW

UPCOMING

PAST

EVENTS

CHURCH OF MONIKA

HTBAF

KIDS

ABOUT

CONTACT

Sign up for email list\*

Zip

- All
- Exhibits and Events
- Kids Programs
- Press

Search

## ABOUT

[Mission](#) | [History](#) | [Staff](#) | [The Board](#) | [Press](#) | [Open Calls](#) | [Opportunities](#)

### Our mission:

Open Source is a Brooklyn based non-profit that serves as a nexus for contemporary art and local neighborhood cultures, with a history of supporting emerging artists who through the development of new works challenge how, when, and where contemporary art intersects and integrates with the everyday lives of everyday people. We place strong emphasis on public socially engaged artwork, sustainable communities, and social justice.



[HOME](#)[PROGRAMME](#)[GET INVOLVED](#)[LOCATION](#)[GALLERY](#)[PARTNERS](#)[VACANT TO VIBRANT](#)

## THE OPEN SOURCE

The Open Source is a performance space, music venue and workshop hub bringing life back into an empty space in Belfast's Cathedral Quarter during the annual **Cathedral Quarter Arts Festival**.

The Open Source brings vibrancy to a vacant property and provides space for free workshops, performances and exchange of ideas throughout the day and into the early evening.

Run by volunteers and made possible by the donation of the space, furniture, equipment and the artists' time, The Open Source relies on the spirit of collectivism and collaboration to provide a dynamic and creative hub.



<http://open-source-festival.de/en/>



## Inside '90s Heartthrob-Turned-Spiritual Guide Andrew Keegan's 'Full Circle'

Apr 30, 2015, 5:05 PM ET

By [DAN HARRIS](#), [VICTORIA THOMPSON](#) and [LAUREN EFFRON](#) via [NIGHTLINE](#)



Andrew Keegan is shown here, back left, with fellow Full Circle congregants.

Victoria Thompson/ABC

*"Full Circle is an open source spiritual community," Keegan said. "We have a creed. We do believe that everything is an expression of the creator and that we coming together create our own destiny, our own path."*



Beth Noveck:

# Demand a more open-source government

TEDGlobal 2012 · 17:23 · Filmed Jun 2012

Subtitles available in 18 languages

[View Interactive transcript](#)Share  
this idea

457,512 Total views

Share this talk and  
track your influence!TED Talks are free  
thanks to support from

What can governments learn from the open-data revolution? In this stirring talk, Beth Noveck, the former deputy CTO at the White House, shares a vision of practical openness — connecting bureaucracies to citizens, sharing data, creating a truly participatory democracy. Imagine the "writable society" ...

[Interactive transcript](#)

TED Talks are free thanks to support from

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make decisions.  
Smarter industries are  
made with IBM.



# Main Entry: fauxpen source

Pronunciation: \fō-pən sōrs\

Function: noun

Etymology: a term invented by Phil Marsosudiro  
at a dinner party in North Carolina

Date: 2 May 2009

: A description of software that claims to be open source, but lacks the full freedoms required by the **Open Source Definition**.

synonyms: see open core, neo-proprietary

antonyms: see Linux kernel, Apache, OpenNMS

<http://fauxpensource.org/>

# Fauxpen Source Software

The image shows a vertical list of four tweets from the @OpenSourceOrg account, with replies from Michael W. Dean (@FreedomFeens). The tweets are as follows:

- Michael W. Dean @FreedomFeens · Feb 24**  
@OpenSourceOrg BipCot No-Government License:  
[bipcot.org](http://bipcot.org)
- OpenSourceInitiative @OpenSourceOrg · Feb 24**  
@FreedomFeens Per the page's thread, BipCot NoGov lic. shouldn't be referred to as an open source license, conflicting w/5 & 6 of the OSD.
- Michael W. Dean @FreedomFeens · Feb 24**  
@OpenSourceOrg We called it open source in an early draft, but stopped doing that before releasing it.
- Michael W. Dean @FreedomFeens · Feb 24**  
@OpenSourceOrg It is not open source, though the source is open. Just wanted to share with you, since it is an interesting license.

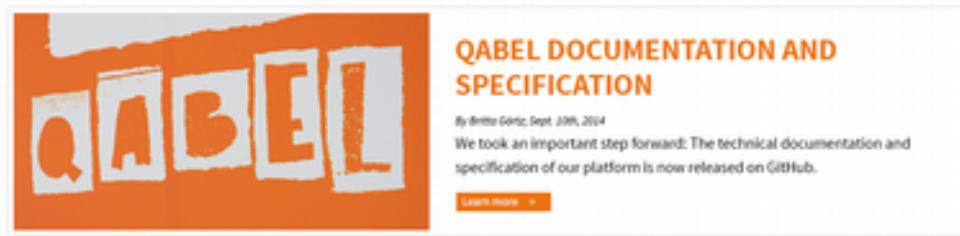
Each tweet includes standard social media icons for retweeting, favoriting, and sharing.

# Fauxpen Source Software

Qabel GmbH

<https://qabel.de/index-en.html>

Qabel is a free, open-source, decentralized, expandable platform, that...



*The software "Qabel" is licensed under the QaPL, a specially developed license, which's source code is open. The QaPL can neither be classified according to the standards of the Free Software Foundation (FSF), nor to the standards of the Open Source Initiative (OSI) as "Free Software License" or "Open Source License" respectively.*

# Fauxpen Source Software

Qabel GmbH

<https://qabel.de/index-en.html>

Qabel is a free, open-source, decentralized, expandable platform, that...



## Please do not trust us.

It is not necessary.

Surveillance interface

Source code

Alpha test

*The software "Qabel" is licensed under the QaPL, a specially developed license, which's source code is open. The QaPL can neither be classified according to the standards of the Free Software Foundation (FSF), nor to the standards of the Open Source Initiative (OSI) as "Free Software License" or "Open Source License" respectively.*



# PUBLIC LICENSE

## Frequently Asked Questions

Below are four questions asked frequently of our Legal Team with regard to our OSET Public License ("OPL"). We hope this FAQ, in combination with our Rational White Paper, clarifies these inquiries.

### 1. Is your license truly an open source software license?

**Yes.** The OSET License ("OPL") is an open source software license, without a doubt amongst trained, experienced open source licensing lawyers. Here is why. The license meets the Open Source Definition promulgated by the Open Source Initiative (<http://opensource.org/osd-annotated>). The definition has 10 elements, as described below.

*We haven't reviewed the Open Public License, so can't give a formal opinion without running it through the process. But, I'll note that the license includes a requirement to notify the initial developer of every change. This type of requirement is generally regarded as failing to meet the Free Distribution criteria of the Open Source Definition. So, if we did review the Open Public License, **the likely outcome is that we'd rule it as not open source.***

- Allison Randal  
OSI President

The screenshot shows the top navigation bar of the GeoGebra website. It includes the GeoGebra logo, a search bar with the URL "www.geogebra.org/license", and various site icons. The main menu items are Materials, Downloads, Community, Help, and Sign in.

# GeoGebra

[Materials](#)[Downloads](#)[Community](#)[Help](#)[Sign in](#)

## GeoGebra License

You are free to copy, distribute and transmit GeoGebra for non-commercial purposes (please see details below).

### Guidelines to distinguish Non-commercial and Commercial Use

You may only use the GeoGebra Software and Materials under the terms of a relevant licence agreement. The licence agreement which applies to you depends on your use of the Software and the Materials, which can be summarised as follows:

- You are free to copy, distribute and transmit GeoGebra for **non-commercial purposes**. Non-commercial use is subject to the terms of our [GeoGebra Non-Commercial License Agreement](#).
- Any use of GeoGebra for a **commercial purpose** is subject to and requires a special licence. If you intend to use GeoGebra for a commercial purpose, please contact [office@geogebra.org](mailto:office@geogebra.org) to arrange a License and Collaboration Agreement with us.

Whether a particular use of the GeoGebra Materials is "non-commercial" depends on the use, not the user, and to assist we have set out the notes below:

1. **Non-commercial Use.** We anticipate that non-commercial use will primarily involve students and teachers who may wish to use GeoGebra at home and in school or university for the purposes of their school or academic study and teaching, without intending to seek any commercial advantage or financial gain. This includes teachers in schools and universities where tuition fees are charged, so long as the use of GeoGebra is limited to personal or individual classroom teaching.
2. **Commercial Use.** We anticipate that commercial use will primarily involve publishers, online schools, schools or universities charging tuition or course fees where there is systematic or formal integration of GeoGebra within the curriculum, and non-profit organizations who wish to use GeoGebra to support activities that are intended toward securing a commercial advantage or the generation of revenue or monetary compensation.

Examples of commercial use might include:

- use of GeoGebra (or any related materials or resources) to generate or develop educational materials or resources which will be sold in exchange for a fee (including course or tuition fees) or (if given away for free) which are used to gain a commercial advantage for the user;
- the provision of training, support or editorial services that use or reference GeoGebra (or any related materials or resources) in exchange for a fee;
- use of GeoGebra (or any related materials or resources) within a non-academic ebook, textbook or journal, whether or not the book or journal is distributed for a fee. Please note that academic papers, conferences, and books do not require a License and Collaboration Agreement; and

The GeoGebra source code is licensed to you under the terms of the GNU General Public License (version 3 or later) as published by the Free Software Foundation, the current text of which can be found via this link: <http://www.gnu.org/licenses/gpl.html> ("GPL"). Attribution (as required by the GPL) should take the form of (at least) a mention of our name, an appropriate copyright notice and a link to our website located at <http://www.geogebra.org>.

# Open-ish



# Open Core

"Some open source software has a core kernel that is open source, but everything else about it is rather closed or proprietary," he explains. "This is called open core."

Gunnar Hellekson, chief technology strategist Red Hat, Campus Technology

<http://campustechnology.com/Articles/2012/09/11/7-Questions-to-Ask-Open-Source-Vendors.aspx?Page=2>

There are companies like Pentaho or Alfresco which offer an "open core" and sell additional features for that. I would consider that more as closed than as open source, in some way it is a bit like a "demo version".

Are there startups that went open-source and succeed?, Hacker News

<https://news.ycombinator.com/item?id=8341565>



# Open Core

## Simon Says...

Simon Phipps

## Open Core Is Bad For You

By Simon Phipps | Published 14:45, 29 June 10



*The open core model is being feted as the new default open source business model. But I assert it does not deliver and sustain the principle that delivers cost savings and flexibility to the customer - software freedom. As a consequence, businesses who live-or-die by open core risk the fate of Compiere ERP unless they can manage the incredibly delicate balance their customers will discover they demand.*

When I spoke at the Transfer Summit in Oxford last week, I invited the delegates to join me in reforming the Open Source Initiative (OSI). I repeated the explanation I made here, that OSI needs to be rebuilt in the light of a re-projection of software freedom for a new decade. In articulating the challenges facing open source after ten years of success, I asserted - as I usually do - that "open core" is one of the big challenges facing open source. This surprised some delegates.

Last week Mårten Mickos, the former CEO of MySQL and new CEO of cloud technology company Eucalyptus, indicated in an interview that he is an advocate of the open core model. He said:

"We deliver a fully functional cloud with Eucalyptus software. You can download it on a GPL v3 license. But, additionally, we provide enterprise features only if you pay for them ... it's open core,"

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### About Author



With a focus on open source and digital rights, Simon is a director of the UK's Open Rights Group and president of the Open Source Initiative. He is also managing director of UK consulting firm Meshed Insights Ltd.

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# open Core

Simon Says...

Simon Phipps

*...then problem with open core is that instead of delivering and cultivating software freedom, the open core business model induces dependency on closed software and lock-in to a vendor.*

Last week Mårten Mickos, the former CEO of MySQL and new CEO of cloud technology company Eucalyptus, indicated in an interview that he is an advocate of the open core model. He said:

"We deliver a fully functional cloud with Eucalyptus software. You can download it on a GPL v3 license. But, additionally, we provide enterprise features only if you pay for them ... it's open core,"

The screenshot displays a blog post from Computerworld UK. The title is "...then problem with open core is that instead of delivering and cultivating software freedom, the open core business model induces dependency on closed software and lock-in to a vendor." The author is Simon Phipps, published on June 29, 2010. The sidebar includes links for LinkedIn Profile, Twitter Profile, and Google+ Profile.

# Commercial Ownership

Forbes ▾ New Posts 13 Most Popular Lists Video Subscribe to Forbes Search



Ben Kepes  
Contributor

FOLLOW

TECH 3/25/2015 @ 4:14PM | 4,818 views

## A Cautionary Open Source Tale, Apple Buys And Shuts FoundationDB

+ Comment Now + Follow Comments

*Update. It turns out the situation is more complex than I first thought. The core of FoundationDB was closed source, but many components around it were open sourced. What this means is that people using those open source components relied on the FoundationDB core which now, alas, is no longer available. Thanks to Jeremiah Lee for the clarification as below:*



Jeremiah Lee @JeremiahLee

@berkepes This is misleading. @FoundationDB was not open source. Only components that depended on the closed source core were open source.

25 Mar



Jeremiah Lee  
@JeremiahLee

Follow

@benkepes If @FoundationDB itself had been open source, the community could continue using a fork and this wouldn't be as awful.

7:15 PM - 25 Mar 2015 Mission, San Francisco, United States

1 FAVORITE

## Apple May Have Just Killed An Open-Source Project

If you're using (or contributing to) FoundationDB, you're SOL.

Learn more about this

GitHub

Search GitHub

Explore Features Enterprise



FoundationDB

https://foundationdb.com



This organization has no public repositories.

## TJ Holowaychuk Passes Sponsorship of Express to StrongLoop

July 29, 2014 / 7 Comments / in Community, Express, News, Press / by Al Tsang



At StrongLoop we are very excited and honored to announce that as of this morning, [TJ Holowaychuk](#) has transferred the [Express repo](#) and [Expressjs.com](#) domain to StrongLoop.

The image shows the header of the TechRepublic website. It features a blue navigation bar with the TechRepublic logo, a dropdown menu for 'U.S.', and links for 'All Topics', 'Newsletters', 'Photos', 'Forums', 'Resource Library', 'Research', and a user profile icon. Below the bar is a dark grey secondary navigation bar with links for 'CXO', 'Software', 'Startups', 'Cloud', 'Data Center', 'Mobile', 'Microsoft', 'Apple', and 'Google'. A search bar with the placeholder 'Search TechRepublic' and a magnifying glass icon is also present.

## The dark side of commercial open source

By Matt Asay March 27, 2015, 4:41 AM PST // [@mjasay](#)

*one critical problem with commercial open-source companies: they can be bought. And sold. And when they are, the community can be shafted.*



Open Washing: Openwashing: to spin a product or company as open, although it is not. Derived from “greenwashing,”

- Michelle Thorn, Mozilla’s Director of the Webmaker Program

# Anonabox Promises Total Online Anonymity That's Easy, Open Source, and Cheap

By Evan Ackerman  
Posted 14 Oct 2014 | 21:00 GMT  
<http://spectrum.ieee.org/>

KICKSTARTER

Discover Start

 Search Projects

anonabox : a Tor hardware router (Suspended)

by August Germar

anonabox



[www.anonabox.com](http://www.anonabox.com)

8,928

backers

\$585,549

pledged of \$7,500 goal

Funding Suspended

Funding for this project was suspended by Kickstarter on October 17.

The anonabox is an open source embedded networking device designed specifically to run Tor. It's 100% Open Source.

Chico, CA

Gadgets

Share this project

August Germar

First created | 2 backed  
[anonabox.com](http://anonabox.com)



[See full bio](#) [Contact me](#)

ZDNet

SEARCH |

HARDWARE

MICROSOFT

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## Fake privacy gadgets, from Anonabox to Sever: Fighting a strange and profitable epidemic

An neverending wave of snake oil salesmen proffering faux privacy gadgets are raking in the dough on crowdfunding sites like Kickstarter. If you see these claims, run.

# Jolla Tablet - world's first crowdsourced tablet



Hong Kong, Hong Kong



Technology

Story

Updates 13

Comments 1,459

Funders 21,570



InDemand

**\$2,555,547** USD

total funds raised



Original campaign was 480% funded  
on December 9, 2014

CLOSED

on March 31, 2015

SELECT A PERK

**\$249** USD

Featured

# Jolla's open-source tablet might actually stay the course

Finnish firm's Linux-based tablet looks like a tenable alternative to Apple iPads and Android devices.

**NETWORKWORLD**

## INTERNATIONAL BUSINESS TIMES

### Jolla Sailfish 2.0 Tablet: 'Open-Source iPad' Crowdfunded Within Hours

By Abigail Elise [@theabigailelise](#) on November 19 2014 3:41 PM EST

**TC** Jolla's 'Open Source' iPad Alternative Raises More Than \$1M In Two Days' Crowdfunding

Posted Nov 23, 2014 by Natasha Lomas (@nrlptn)

**Forbes**



TECH 12/10/2014 @ 4:49PM | 4,225 views

### The Case For The Jolla Tablet

[+ Comment Now](#) [+ Follow Comments](#)

**PC**

### Hands On: Jolla Tablet and Sailfish 2.0

BY EUGENE KIM MARCH 2, 2015 10:05AM EST 0 COMMENTS

Jolla was at Mobile World Congress showing off its open source Jolla Tablet and new Sailfish 2.0 OS.

### Can Jolla Deliver the First Open Source Tablet?

Critically praised for its phone, Jolla is now developing a tablet.

**Datamation.**

"...the Jolla Tablet...runs on Jolla's own independent and intuitive open source based mobile operating system **Sailfish OS**"

Welcome onboard the Jolla Tablet journey! For \$10 you'll... get to support **the greatest open source project ever...**!

"Jolla Tablet's Sailfish operating system will be unlike anything you've tried before. Once you try it, you'll never want to go back. Independent and **powered by open source**, change whatever you like, whenever you like."

"Together **with the open source community**, we're continuing to strengthen our privacy capabilities at every opportunity."

"Jolla's core value is freedom of choice for our community. That's why we've picked Intel's innovation platform, **backed by open source**, to power the Jolla Tablet."

"All of our customers can have their say on the direction of our products through Jolla and other **open source** communities that we work closely with."

# Sailfish EULA

## Sailfish End User License Agreement

Please review this agreement (the "Agreement") carefully before using the Software. Because you need to accept these terms before using the Software, we recommend you take your time reading through them to make sure you are comfortable with them. You agree to these terms by downloading or using the Sailfish OS, any included additional components, any software or content we make independently available pursuant to this Agreement, and all software documentation ("Software") or by clicking on the "Accept" button next to this Agreement when downloading, installing and/or using the Software.

If you cannot accept the terms of this Agreement after having purchased a product incorporating Software, please return the product containing the Software to the seller within the return period provided for in the seller's return policy for a full refund. If you purchased the product directly from us, the applicable return period is stated in our Jolla Return Policy, available at <http://www.jolla.com/care>.

Note that our Software is based on the great efforts and innovations of the open source community. The core components of our software ("Free Software") are all available as open source via various projects in which we actively participate. We encourage you to also join those projects and participate. Although our Software is subject to this Agreement, Free Software is available under its own terms, subject to which you are free to use it as you wish. For more information about these open source components, see <http://www.sailfishos.org>.

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**License restrictions: "Although we encourage you to develop our Software to make it better, we cannot allow such development, modifying or any harmful interaction with the version of our Software distributed integrated in a product."**

Note that our Software is based on the great efforts and innovations of the open source community. The core components of our software ("Free Software") are all available as open source projects in which we actively participate. We encourage you to also join those projects and participate. Although our Software is subject to this Agreement, Free Software is available under its own terms, subject to which you are free to use it as you wish. For more information about these open source components, see <http://www.sailfishos.org>.

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**License restrictions: "You are expressly prohibited from...copying any elements of our Software, including code, graphics, sounds, our name, trademark, logo or other proprietary information, without our prior written consent."**

Note that our Software is based on the great efforts and innovations of the open source community. The core components of our software ("Free Software") are all available under various projects in which we actively participate. We encourage you to also join those projects and participate. Although our Software is subject to this Agreement, Free Software is available under its own terms, subject to which you are free to use it as you wish. For more information about these open source components, see <http://www.sailfishos.org>.

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**"Our goal with the Sailfish OS is to develop an open source operating system in co-operation with the community [...]. We are currently in the process of putting in place the processes and licensing structures that will enable you, the community, to take part in developing Sailfish."**

- SailfishOS.org



<https://together.jolla.com/questions/scope:all/sort:relevance-desc/page:1/query:%22open%20source%22/>

### ***Why is Sailfish advertised as truly open?***

*Is Jolla deliberately misleading their customers? Or are we lead to believe that like in the claims of homeopathy the concept of openness gets stronger the more it's diluted?*

### ***Clarification of open-source policy***

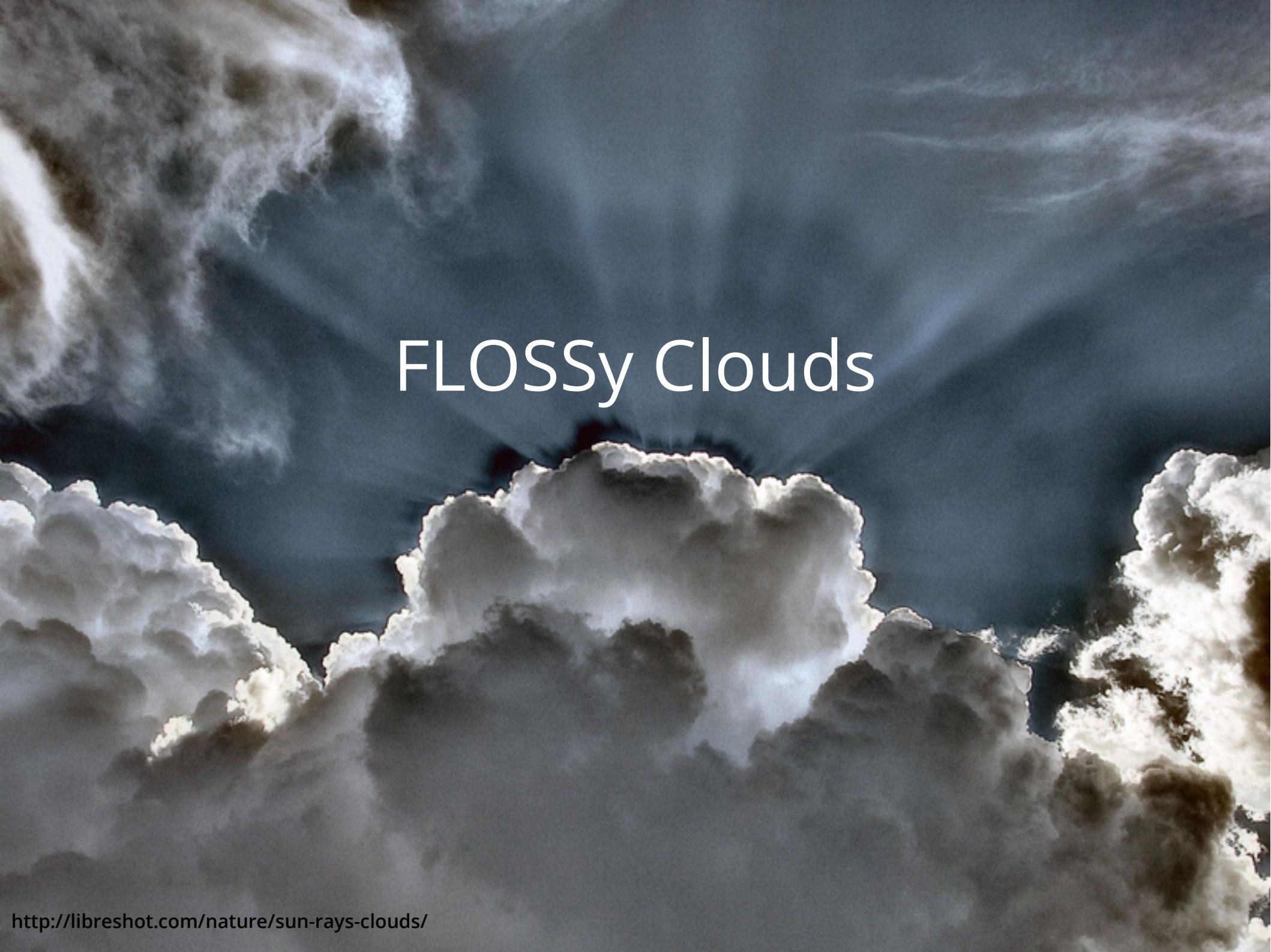
*there exists quite some confusion in regards to the status and scope to which SailfishOS is or will be open-source.*

### ***Why isn't sailfish open source?***

*Jolla seems to like the idea of community and freedom but closed source software is against both.*

### ***Fully open source sailfish os***

*I would really love to support you guys, but I kind of feel guilty with that in mind. Ubuntu, Android, and Firefox are all open source... If you open source all parts, only good can come from it.*



# FLOSSy Clouds



# Rosalyn Metz

<http://rosalynmetz.com/>

- **Cloud Computing Explained**

<http://www.educause.edu/ero/article/cloud-computing-explained>

- **Rosalyn Metz Explains Cloud Computing in Higher Ed**

<http://www.educause.edu/blogs/gbayne/interview-podcast-rosalyn-metz-explains-cloud-computing-higher-ed>

...a model for enabling convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction. This cloud model promotes availability and is composed of five essential characteristics, three service models, and four deployment models.

Infrastructure as a Service (IaaS), i.e. virtual machine renting

Platform as a Service (PaaS), i.e., good ol' hosting / application servers

Software as a Service (SaaS), or Service as a Software Substitute (SaaSS)  
i.e., remote software applications

# Stefano Zacchiroli

<https://upsilon.cc/~zack/talks/2015/20150322-libreplanet-cloud.pdf>

- FOSS is meant to empower users: The 4 Freedoms
- Source code alone is not enough
- Distributions make it simple for final users to find, install, and maintain FOSS on their computers
  - i.e., distributions turn FOSS from an elitist club, to a publicly available/usable commons - arguably, distributions have won...
- Unfortunately and ironically, users are not "more free" because now all their "interesting" computations (from spreadsheets to word processing, from email to gaming) now happen **"in the cloud", on computers that they don't control which run proprietary software or is not accessible**
- state of the art is: users (might) have completely FOSS "terminals" at their fingertips, which they use to run proprietary applications on someone else's computers



*OSI Board Director,  
Fmr Debian Project Leader*

*Hackers/developers seem to be more tolerant to the lack of control than in the past.*

# Open Source Licenses Principles / Practices

Communication

Transparency

Self-organization

Collaboration

Evidence-based

Meritocracy



**open** source  
initiative

# Thank you

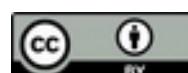
- The Battle of Copyright, CC-BY [https://commons.wikimedia.org/wiki/File:THE\\_BATTLE\\_OF\\_COPYRIGHT.jpg](https://commons.wikimedia.org/wiki/File:THE_BATTLE_OF_COPYRIGHT.jpg)
- U.S. Copyright Office, Public Domain  
<https://commons.wikimedia.org/wiki/File:US-CopyrightOffice-Seal.svg>
- Mouse Patent, Public Domain  
<https://commons.wikimedia.org/wiki/File:Mouse-patents-nglebart-rid.png>
- Copyright-magnifier-magnifying-glass, Public Domain  
<https://pixabay.com/en/copyright-magnifier-magnifying-glass-389901/>
- Stupid Patent of the Month: Eclipse IP Casts A Shadow Over Innovation, CC-BY  
<https://www.eff.org/deeplinks/2015/04/stupid-patent-month-eclipse-ip-casts-shadow-over-innovation>
- Windows 9 Parody, All rights reserved  
[http://webneel.com/daily/15-windows-8-logo-parody?size=\\_original](http://webneel.com/daily/15-windows-8-logo-parody?size=_original)
- Hand gesture, Public Domain  
<https://pixabay.com/en/hand-gesture-stop-wait-hand-244360/>





# The Importance and Value of Open Source Licenses

1



Patrick Masson  
General Manager & Director  
Open Source Initiative



# What is the OSI Understanding IP Understanding Licenses Introduction to Open Source Licenses



Post Open Source  
Fauxpen Source Software  
Open-washing  
FLOSSy



*Promote and protect;  
raise awareness & adoption;  
build bridges between communities*



**open source  
initiative**



# *Promote & Protect Open Source*

Users & Developers	Projects & Communities	Business & Government
Independent developers working on FLOSS projects	Procurement and acquisition officers investigating and assessing feasibility of open source software	Companies with licensing questions and issues of stewardship
Developers working on open source software within Corporations	Department managers seeking best practices in development and community	Project / Product managers in need of best practices, resources, information & knowledge sharing
Developers who work creating FLOSS both as part of their employment and on their own time	Portfolio managers seeking contributions and intellectual property transfer	Legal staff and contract managers using and maintaining open source software
End-users seeking information on open source software & licenses	Business analysts seeking peers, use cases and case studies	HR and other administrative departments involved in transitioning to open source models
Members of the press		

I love  
open source  
& want to help

Wow. Been seeing a ton of tweets from  
@OpenSourceOrg the last few weeks  
Glad to see it's getting some energy back

I am a firm believer in what the OSI,  
and other open source communities,  
are doing to keep software transparent

I want to help the OSI because it is time to give back after all the support they have provided

The OSI is  
redefining  
business

I have enjoyed the benefits  
of open source for many  
years and, now an open  
source contributor, would  
like to help support the  
open source infrastructure  
talented people to collaborate on finding solutions

I support  
open source  
software  
and the  
OSI

I support the free & **Open is the better way**  
open source movement

**Because I  
believe in  
open source**

Open Source is an idea that has  
changed the world for the better  
The OSI helps keep that idea alive

I deeply believe in  
the OSI mission

OSI  
represents  
hope

Open source  
shapes our future

The OSI promotes and protects

**open  
source**

Open source  
software also  
spurs innovation  
and collaboration  
allowing different  
people to  
experiment with  
their own ideas  
about how the  
software  
could work

The open source  
movement needs  
this kind of support

The future depends on new  
ideas, alternatives and paradigms

Open Source Initiative  
provides a powerful  
**c o m m u n i t y**  
from across the globe

Member-led non-profit





# IRS PUTS OPEN SOURCE PROJECTS UNDER MICROSCOPE, SPAWNS NONPROFIT BLACK HOLE

**CITY & COUNTY OF SAN FRANCISCO**  
**Local Agency Formation Commission**

[About the Board](#) [Clerk of the Board](#) [Legislative Research Center \(LRC\)](#) [Meeting Information](#) [Legislation Introduced](#) [Legislation Passed](#) [Forms & Documents](#)

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**Local Agency Formation Commission**

LAFCo is responsible for reviewing and approving proposed jurisdictional boundary changes, including annexations and detachments of territory to and/or from cities and special districts, incorporations of new cities, formations of new special districts, and consolidations, mergers and dissolutions of existing districts. In addition, LAFCo must review and approve contractual service agreements, determine spheres of influence for each city and district, and may initiate proposals involving district consolidation, dissolution, establishment of subsidiary districts, mergers, and reorganizations (combinations of these jurisdictional changes).

The full text of the LAFCO law can be found in Government Code Section 56000, et seq.

**OPEN** Search | Advanced

Bill S161-2015

Provides a maximum \$200 tax credit for taxpayer expenses associated with the development of open source and free software license programs

Provides a maximum \$200 tax credit for taxpayer expenses associated with the development of open source and free software license programs.



[Print Page](#)  
[Original Bill Format \(PDF\)](#)  
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**RESET THE NET**

**Department of Electronics & Information Technology (DeitY)**  
Ministry of Communications & IT, Government of India

[Home](#) [About DeitY](#) [Know Your Minister](#) [Divisions](#) [Organisations](#) [ETI](#) [Tenders](#) [Downloads](#) [Visitor Pass](#)

**eG** सर्वोत्तम इ-गवर्नेंस प्लान  
National e-Governance Plan

**e-Governance in India** has steadily evolved from computerization of Government Departments to initiatives that encapsulate the finer points of Governance.

No. 13-298

IN THE  
**Supreme Court of the United States**

ALICE CORPORATION PTY. LTD.,

*Petitioner,*

v.

CLS BANK INTERNATIONAL, *et al.*,*Respondents.*


---

ON WRIT OF CERTIORARI TO THE UNITED STATES  
COURT OF APPEALS FOR THE FEDERAL CIRCUIT

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**BRIEF OF AMICUS CURIAE  
ELECTRONIC FRONTIER FOUNDATION  
IN SUPPORT OF RESPONDENTS**

---

**Quebec government writes 3 open source licences**

Submitted by [Gits Hillenius](#) on January 05, 2015

( 5/5 | 1 votes | 687 reads | )

The government of the Canadian province of Quebec is finalising three open source licences to make it easier for provincial public administrations to share software solutions. The licences should be available in the coming weeks.

# Choosing an OSS license doesn't need to be scary

Which of the following best describes your situation?



I want it simple and permissive.



I'm concerned about patents.



I care about sharing improvements.

The Software Package Data Exchange® (SPDX®) specification is a standard format for communicating the components, licenses and copyrights associated with a software package.



Have a tool that supports SPDX?

We are looking for community and/or commercial tools that support SPDX. If you would like to have a link to your tool click here to see how to submit it.



Questions Tags Users

A New Code License: The MIT, this time with Attribution Required

Update: January 15, 2016

-269  
▼  
93

Thank you for your candidness, patience and feedback. We're going to implementation for now - we'll be back soon to open some more discus



Important context for those arriving from reddit and slashdot links:

The status quo is not "public domain"; attribution is already required

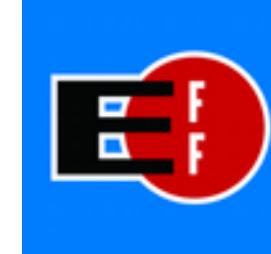
See:

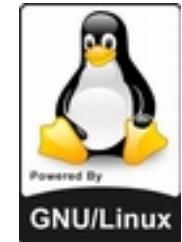
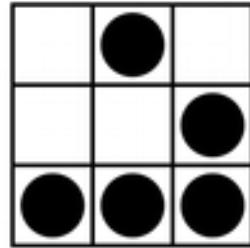
- Do I have to worry about copyright issues for code posted on Stack Overflow?
- Can we get some explicit clarification on the "intended" legal usage of code from SO answers?

**TLDL:** This is a follow-up to our initial proposal for transitioning to a more user-friendly code license. The purpose of this post is to address the concern expressed most frequently in response to the initial proposal: no attribution requirement. Also, we want to make sure everyone has ample opportunity to provide feedback and we have time to consider it. We are more concerned with doing this right than doing it fast, so please let us know what you think about this proposed change.



FREE SOFTWARE  
FOUNDATION





The Debian Free Software Guidelines



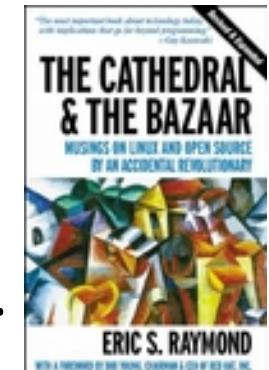
open source  
initiative

The Open Source  
Definition



Christine Peterson

The “open source” label was created at a strategy session held on February 3rd, 1998 in Palo Alto, California, shortly after the release of the Netscape web browser source code.



what is



open source

*Open source software is  
software that can be  
freely used, changed, and shared  
(in modified or unmodified form) by anyone.*

Open source software is made by many people,  
and **distributed under licenses** that comply with  
the **Open Source Definition**.

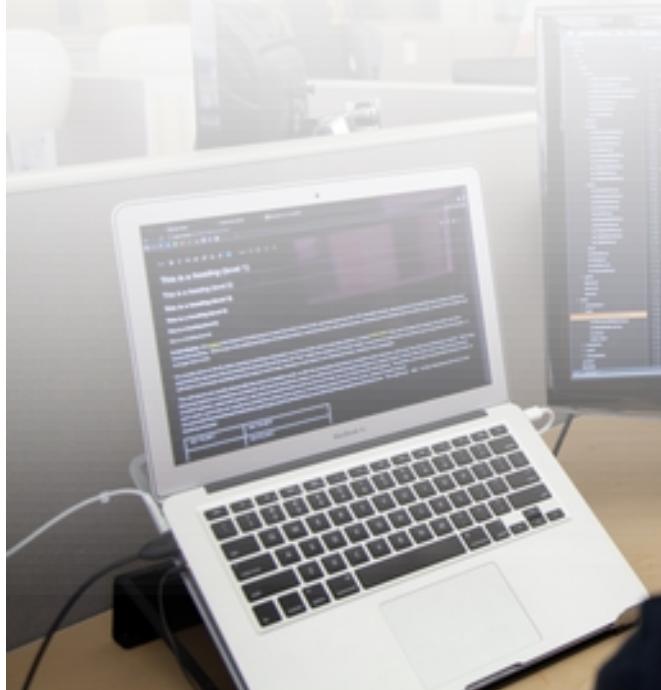


# “open source” is...

*Any software distributed with an  
OSI Approved License*



**OSI** certified



**OSI** Approved  
License



<http://opensource.org/licenses>

Bruce Perens  
Debian Free Software Guidelines



# Open Source Definition

<http://opensource.org/osd>



# The Open Source Definition

<http://opensource.org/osd>

1. Free Redistribution
2. Source Code
3. Derived Works
4. Integrity of The Author's  
Source Code
5. No Discrimination Against  
Persons or Groups
6. No Discrimination Against  
Fields of Endeavor
7. Distribution of License
8. License Must Not Be  
Specific to a Product
9. License Must Not Restrict  
Other Software
10. License Must Be  
Technology-Neutral

# 70+ OSI Approved Licenses

# Apache License

# BSD 3-Clause

# BSD 2-Clause

# GNU General Public License

# GNU Library or "Lesser" General Public License

# MIT license

## Mozilla Public License

# Common Development and Distribution License

# Eclipse Public License



OSI certified

open source licensing  
provides “permission first” to...

*use the software*

*study/audit the software*

*modify the software*

*redistribute the software*

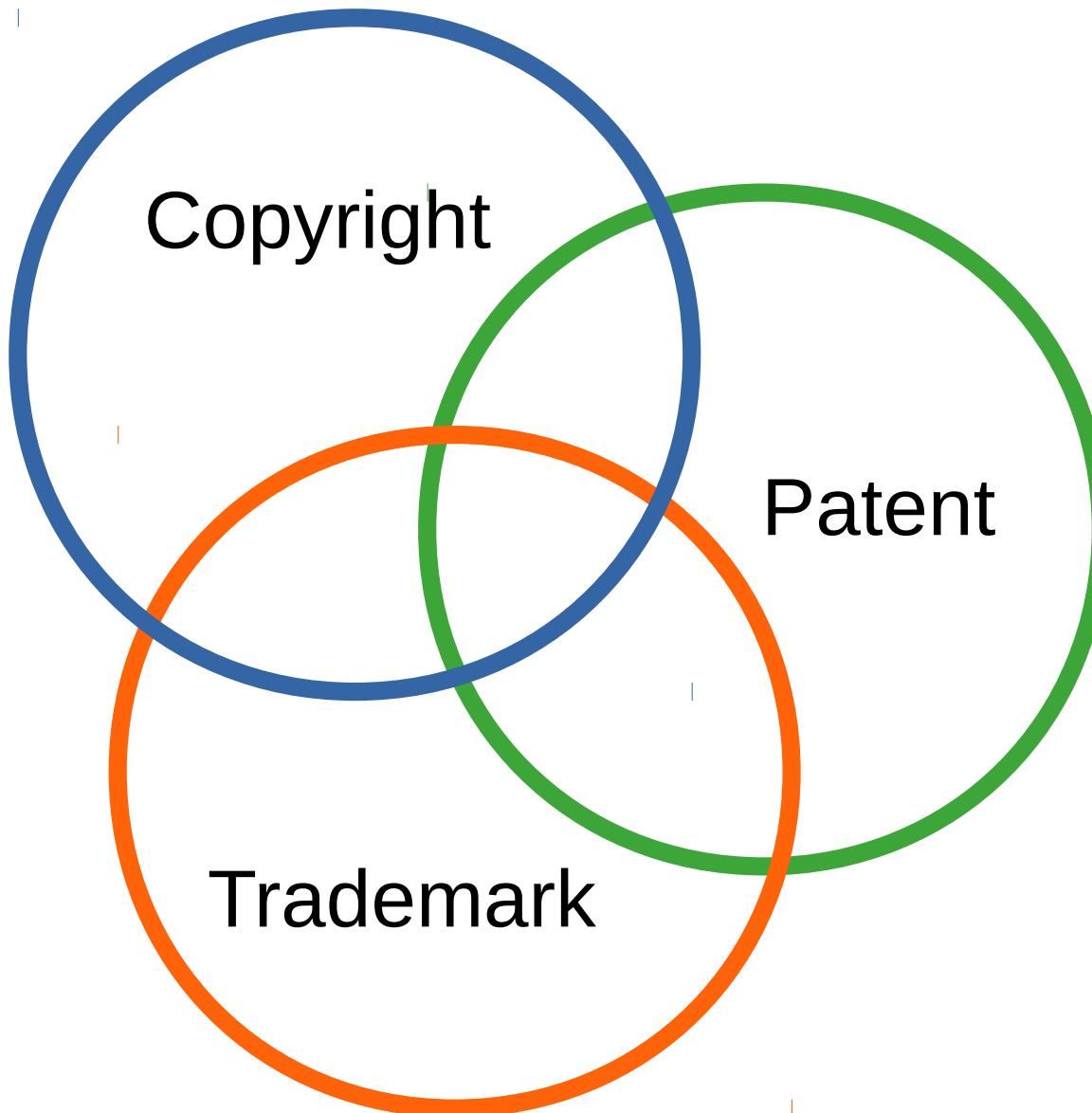
# “open source” is...

*Any software distributed with an  
OSI Approved License*

# What is software?

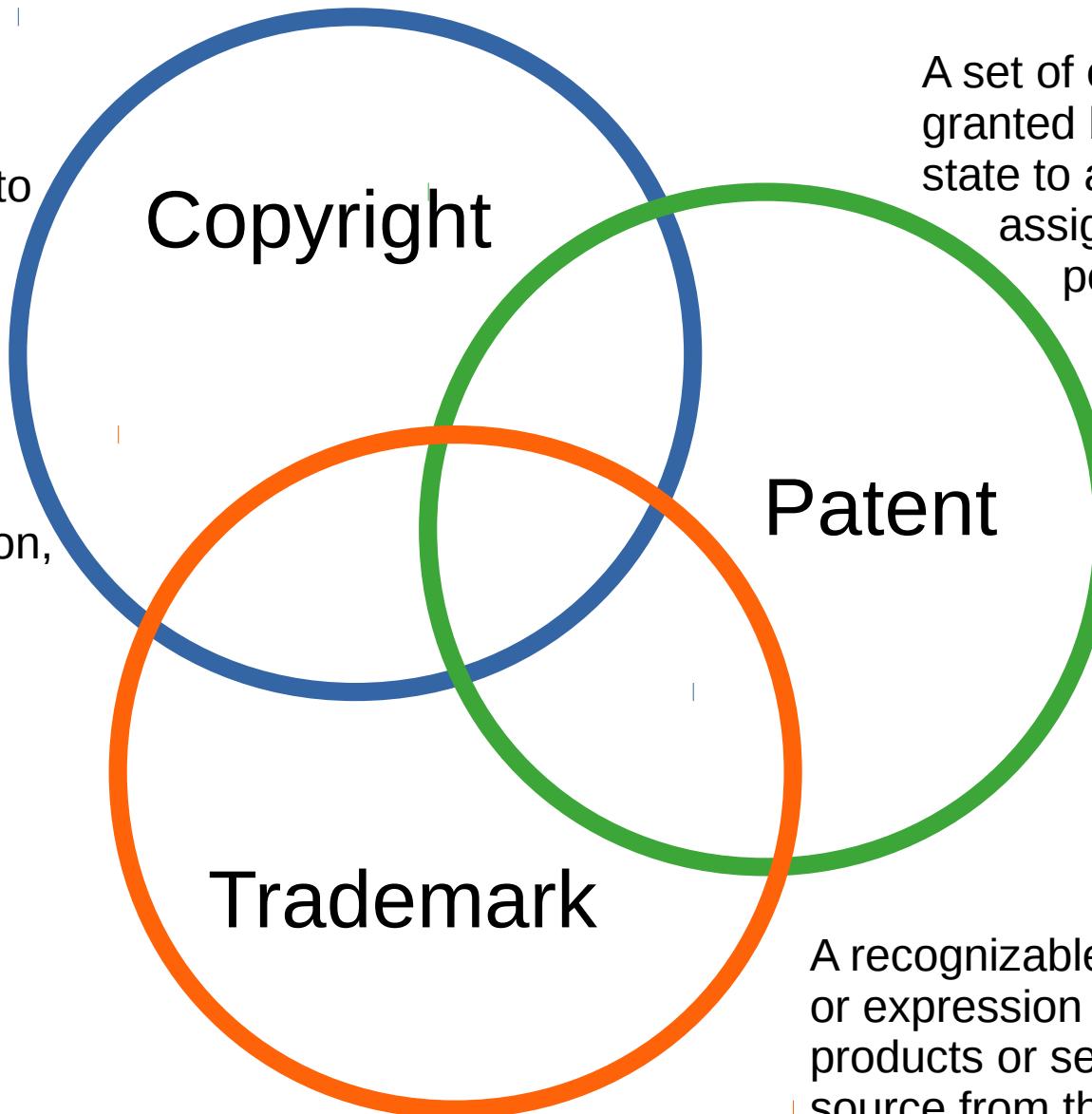
- Software described in terms of ownership,  
i.e. Intellectual Property
  - Code
  - Content
  - Copyright
  - Patents
  - Trademarks

# IP Fundamentals



# IP Fundamentals

Form of intellectual property, applicable to any expressed representation of a creative work, that grants the creator of an original work exclusive rights to its use and distribution, usually for a limited time.



A set of exclusive rights granted by a sovereign state to an inventor or assignee for a limited period of time in exchange for detailed public disclosure of an invention.

Patent

Trademark

A recognizable sign, design, or expression which identifies products or services of a particular source from those of others

C

The New York Times

Business Day  
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T

## New Economy: Open-Source Movement Advances

By LAURIE J. FLYNN

Published: June 4, 2001

AS the philosophical leader of the free-software movement for nearly 20 years, Richard M. Stallman has often found himself at the center of debate — sometimes even the object of it. Last week, he fired the latest round in a war of words that had erupted a few weeks earlier between Microsoft on the one hand, and the backers of open-source and free software on the other.

P

Open source refers to a method of software development in which a program's basic instructions — its source code — are freely available to anyone who wants to tinker with and, ideally, improve them. The result, according to open-source advocates, is better software that is developed faster. Emblematic of the movement is GNU-Linux, the open-source operating system that has emerged as a competitor to Windows.

The free-software movement, espoused by the Free Software Foundation, which Mr. Stallman has led since 1984, is far more ideological than the open-source philosophy. Free-software proponents argue that users should be free to run, copy, distribute, study, change and improve the software they use. Mr. Stallman's detractors have accused him of being everything from a communist to a thief.

 FACEBOOK

 TWITTER

 GOOGLE+

 EMAIL

 SHARE

 PRINT

 REPRINTS

# HAPPY BIRTHDAY TO YOU

SATB, accompanied

Words and Music by  
MILDRED J. HILL and PATTY S. HILL  
Arranged by RUSSELL ROBINSON

Easy swing  $\text{♩} = 128$  ( $\text{F} \text{ F} = \text{G} \text{ G}$ ) *mf*

S A T B Piano

Hap - py birth - day to you. — Hap - py  
*mf*

*f*

birth - day to you. — Hap - py birth - day, — dear  
*f*

*cresc.*

\*"Brit - ta - ny." Hap - py birth - day to you! —  
*cresc.*

*p*

C

T

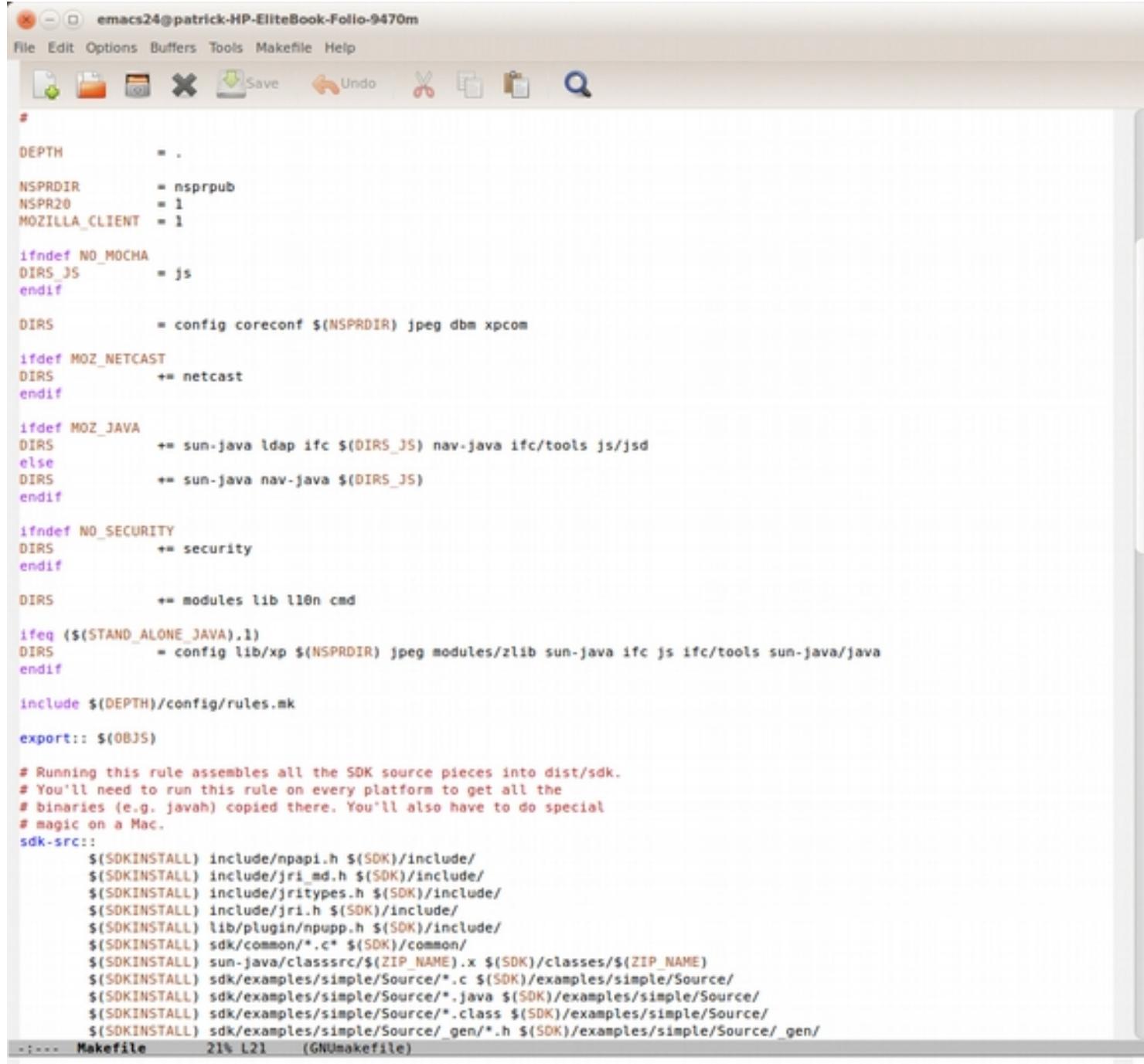
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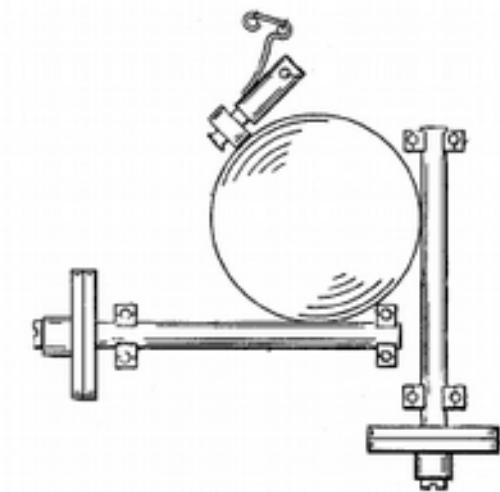
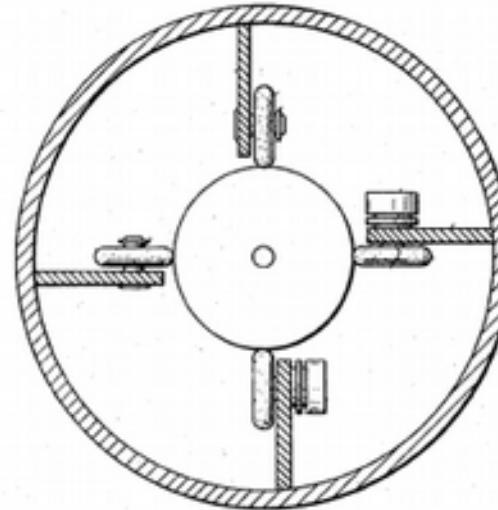
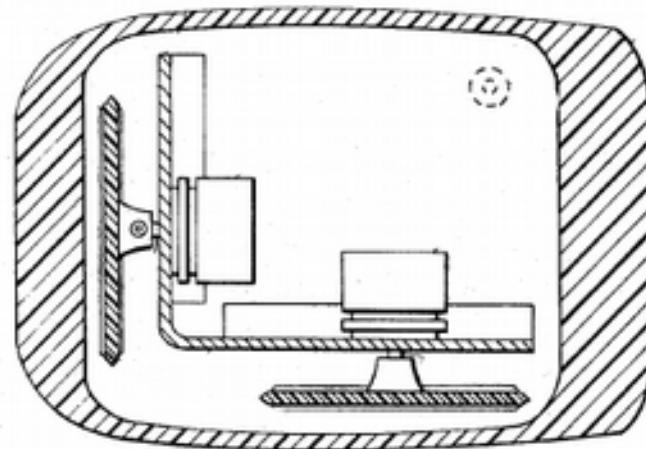
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The screenshot shows an Emacs window with a blue title bar containing the text "emacs24@patrick-HP-EliteBook-Folio-9470m". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Makefile", and "Help". Below the menu is a toolbar with icons for Save, Undo, Redo, Cut, Copy, Paste, and Search. The main buffer area displays a Makefile for the nsprpub module. The file defines variables like DEPTH, NSPRDIR, NSPR20, MOZILLA\_CLIENT, and various DIRS sections for different platforms (MOZ\_CHA, MOZ\_NETCAST, MOZ\_JAVA, NO\_SECURITY). It also includes rules for building modules, libraries, and command-line tools, and a rule for assembling all source pieces into a dist/sdk directory. A "sdk-src::" target is defined for installing files into the SDK. The file concludes with a "Makefile" footer.

```
#  
  
DEPTH      = .  
  
NSPRDIR    = nsprpub  
NSPR20     = 1  
MOZILLA_CLIENT = 1  
  
ifndef NO_MOCHA  
DIRS_JS    = js  
endif  
  
DIRS       = config coreconf $(NSPRDIR) jpeg dbm xpcom  
  
ifdef MOZ_NETCAST  
DIRS      += netcast  
endif  
  
ifdef MOZ_JAVA  
DIRS      += sun-java ldap ifc $(DIRS_JS) nav-java ifc/tools js/jsd  
else  
DIRS      += sun-java nav-java $(DIRS_JS)  
endif  
  
ifndef NO_SECURITY  
DIRS      += security  
endif  
  
DIRS       += modules lib l10n cmd  
  
ifeq ($(STAND_ALONE_JAVA),1)  
DIRS      = config lib/xp $(NSPRDIR) jpeg modules/zlib sun-java ifc js ifc/tools sun-java/java  
endif  
  
include $(DEPTH)/config/rules.mk  
  
export:: $(OBJJS)  
  
# Running this rule assembles all the SDK source pieces into dist/sdk.  
# You'll need to run this rule on every platform to get all the  
# binaries (e.g. javah) copied there. You'll also have to do special  
# magic on a Mac.  
sdk-src::  
    $(SDKINSTALL) include/npapi.h $(SDK)/include/  
    $(SDKINSTALL) include/jri_md.h $(SDK)/include/  
    $(SDKINSTALL) include/jritypes.h $(SDK)/include/  
    $(SDKINSTALL) include/jri.h $(SDK)/include/  
    $(SDKINSTALL) lib/plugin/npupp.h $(SDK)/include/  
    $(SDKINSTALL) sdk/common/*.c* $(SDK)/common/  
    $(SDKINSTALL) sun-java/classsrc/$(ZIP_NAME).x $(SDK)/classes/$(ZIP_NAME)  
    $(SDKINSTALL) sdk/examples/simple/Source/*.c $(SDK)/examples/simple/Source/  
    $(SDKINSTALL) sdk/examples/simple/Source/*.java $(SDK)/examples/simple/Source/  
    $(SDKINSTALL) sdk/examples/simple/Source/*.class $(SDK)/examples/simple/Source/  
    $(SDKINSTALL) sdk/examples/simple/Source/_gen/*.h $(SDK)/examples/simple/Source/_gen/  
.: Makefile 21% L21 (GNUmakefile)
```



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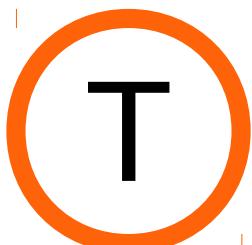
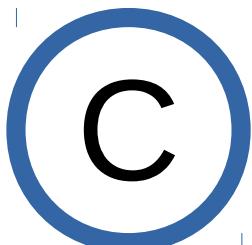


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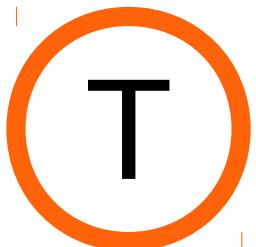
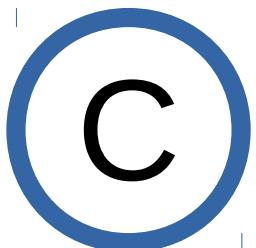
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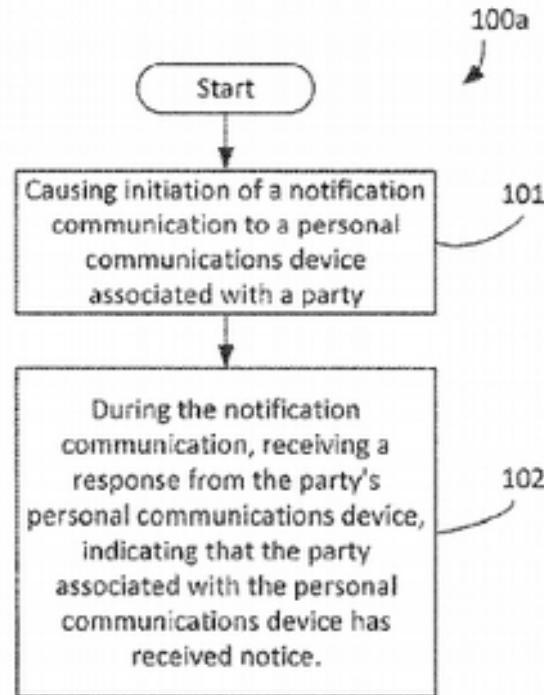


1. Take a telephone call from patient
2. Record patient info in a patient file
3. Send patient information to a doctor, ask the doctor if she wants to talk to the patient
4. Call the patient back and transfer the call to the doctor
5. Record the call
6. Add the recorded call to the patient file and send to doctor
7. Do steps a. – f. with a computer.





Windows® 8



**FIG. 7A**



The system and method of the present disclosure enables a user, e.g., a consumer, to customize products containing solids and fluids by allowing a server communicating over the global computer network, e.g., the Internet, to provide product preferences of a user to a product or a mixing device, e.g., a product or beverage dispenser.

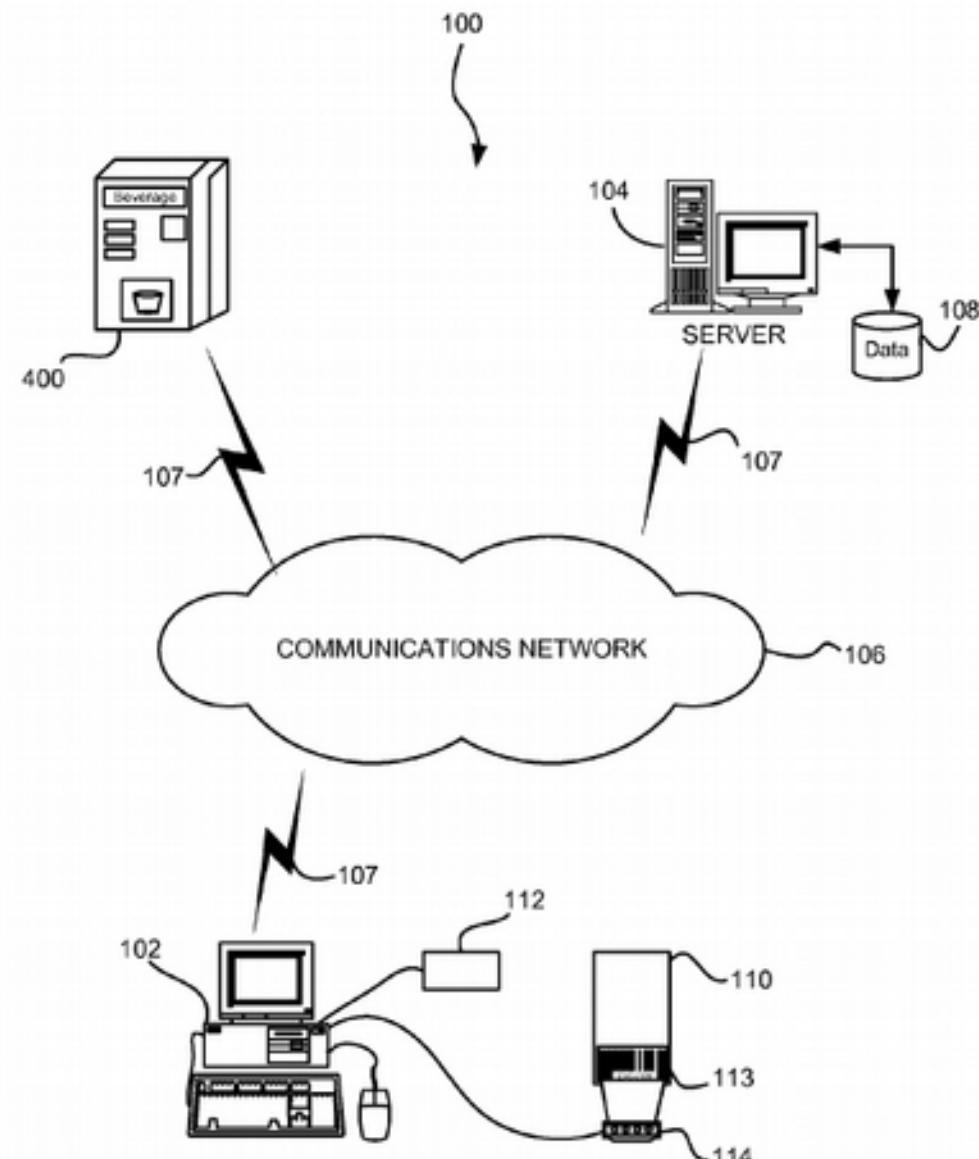
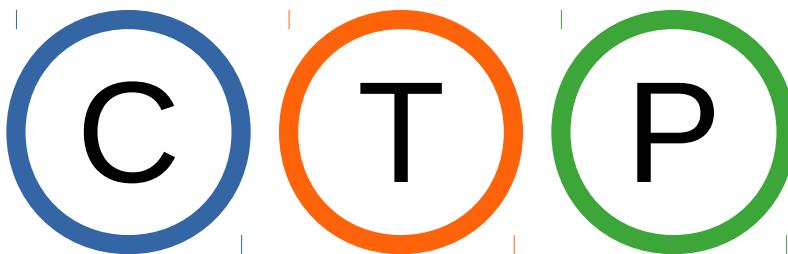


FIG. 1



# What is a license?

## Use of Microsoft Copyrighted Content

Microsoft products and services—including images, text, and software downloads (the “content”)—are owned either by Microsoft Corporation or by third parties who have granted Microsoft permission to use the content. Microsoft cannot grant you permission for content that is owned by third parties. You may only copy, modify, distribute, display, license, or sell the content if you are granted explicit permission within the End-User License Agreement (EULA) or License Terms that accompany the content or are provided in the following guidelines. For more information, consult your copyright attorney.

### Requirements for Allowed Uses

For permission to be granted for any uses allowed by these guidelines, you must comply with the following four requirements:

#### Use full product name

If your use includes references to a Microsoft product, you must use the full name of the product. When referencing any Microsoft trademarks, follow the General Microsoft Trademark Guidelines.

#### No offensive use

Your use may not be obscene or pornographic, and you may not be disparaging, defamatory, or libelous to Microsoft, any of its products, or any other person or entity.



Advertising and Advertisements



Box Shots



Clip Art and Sample Media



Donations of Product

#### Link Methods

You may link to Microsoft content by using either a plain text link with words such as “This way to Microsoft.com” or by participating in an applicable Link Logo program. No other images may be used as a link to a Microsoft site.

#### Permitted by Microsoft

You must include the following statement: “Used with permission from Microsoft.”

#### Copyright FAQ



#### Microsoft's Licensing Terms



#### Trademarks Home



# What is a license?

License

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License

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License

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# What is a license?

Copyright License

Patent License

Trademark License

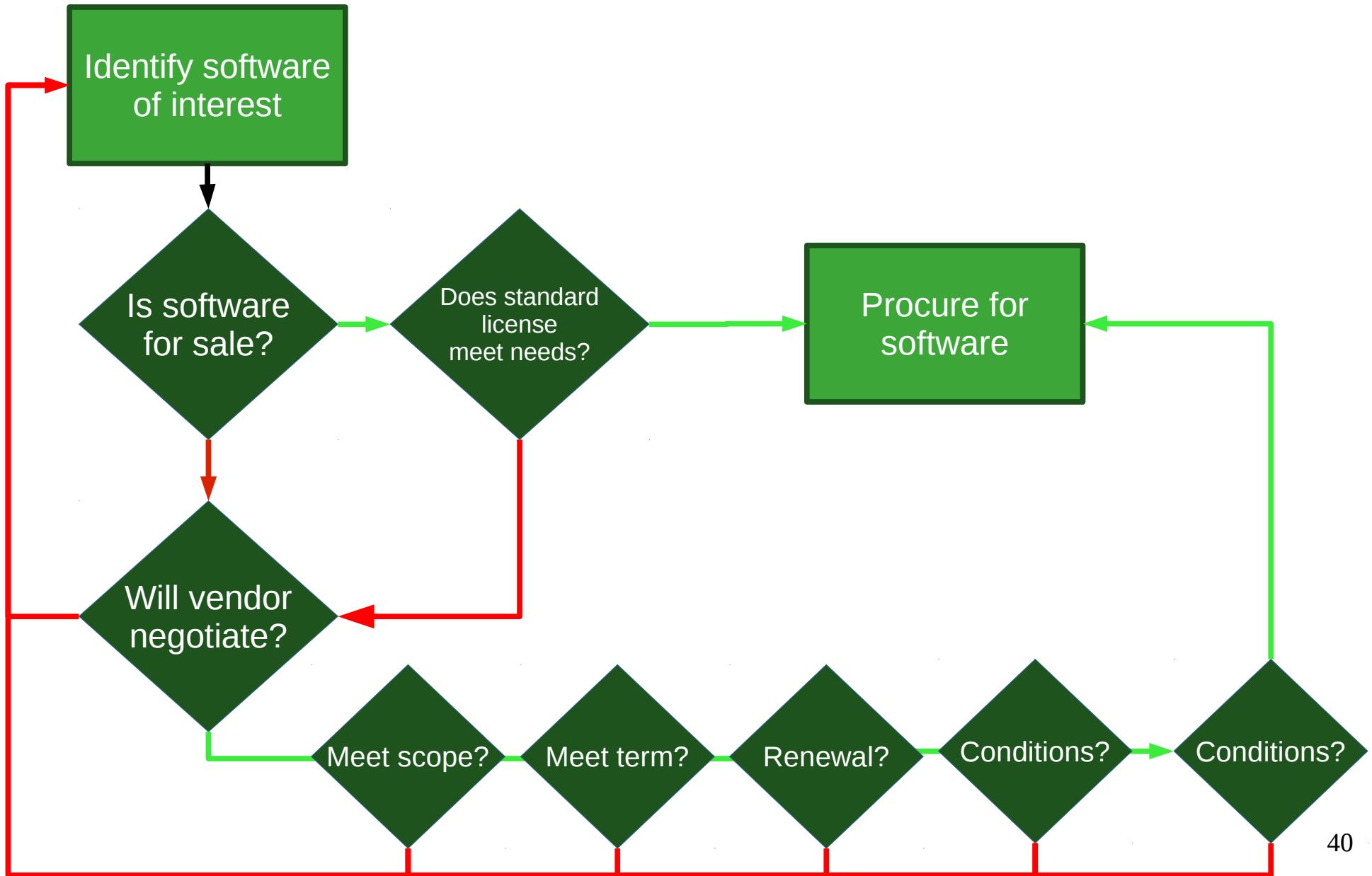
# What is a license?

- ***permissions*** from an authority to own or use something, do a particular thing, or carry on a trade.
- grant ***permission*** to (someone or something) to use something or to allow an activity to take place.

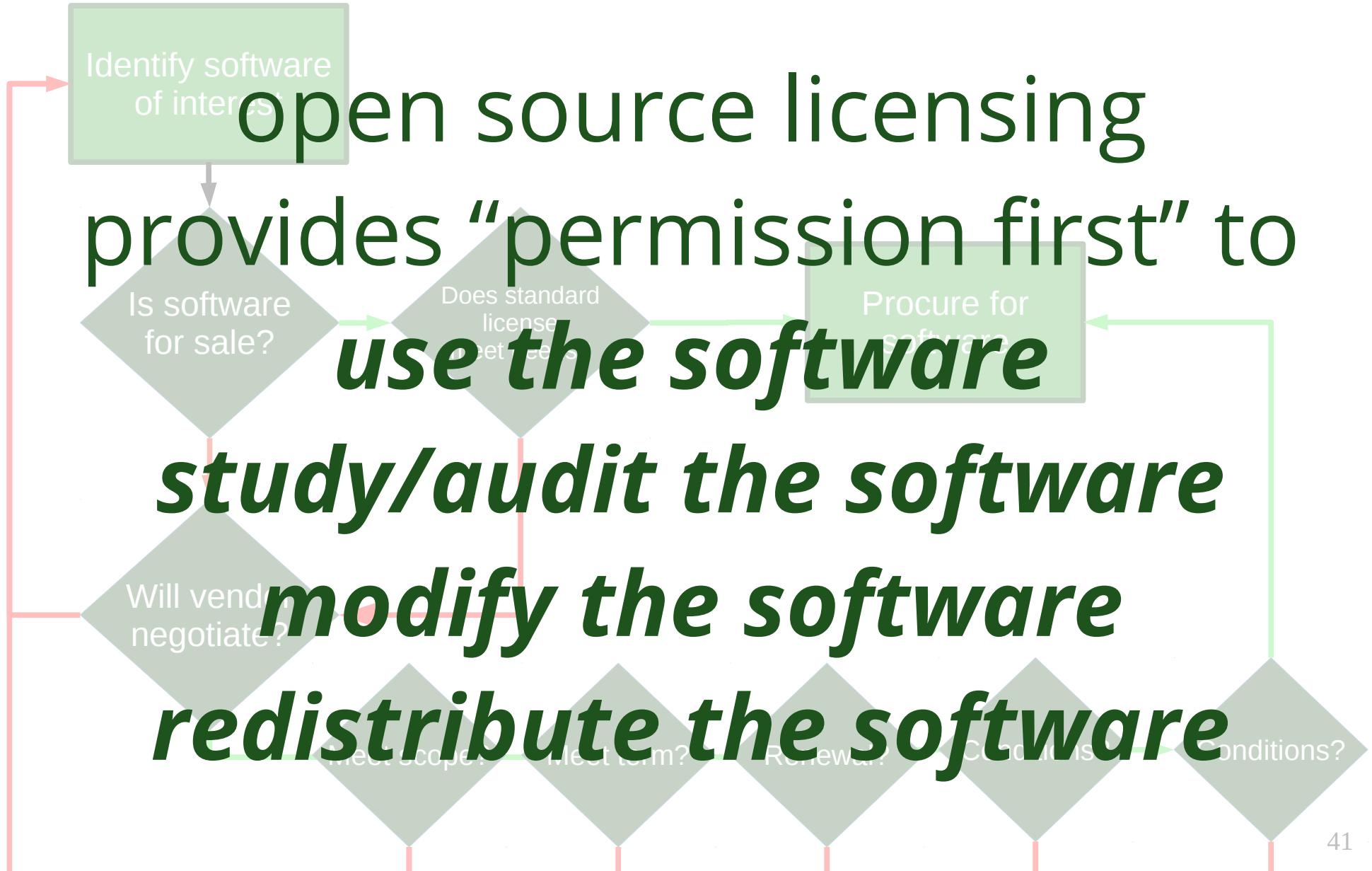
# What is a license?

- Scope: What is being licensed, who can use the IP, for what?
- Duration: How long will the license be?
- Renewal: Are there conditions for renewing?
- Conditions of use: Are there standards to be met?
- Indemnification: How are parties protected against liabilities?
- Audit: How is the license terms enforced?
- IP Protection: How will parties preserve exclusivity?
- Warranties: What protections are in place?
- Payment: How much will this cost?
- Infringement: What are the penalties for violations?

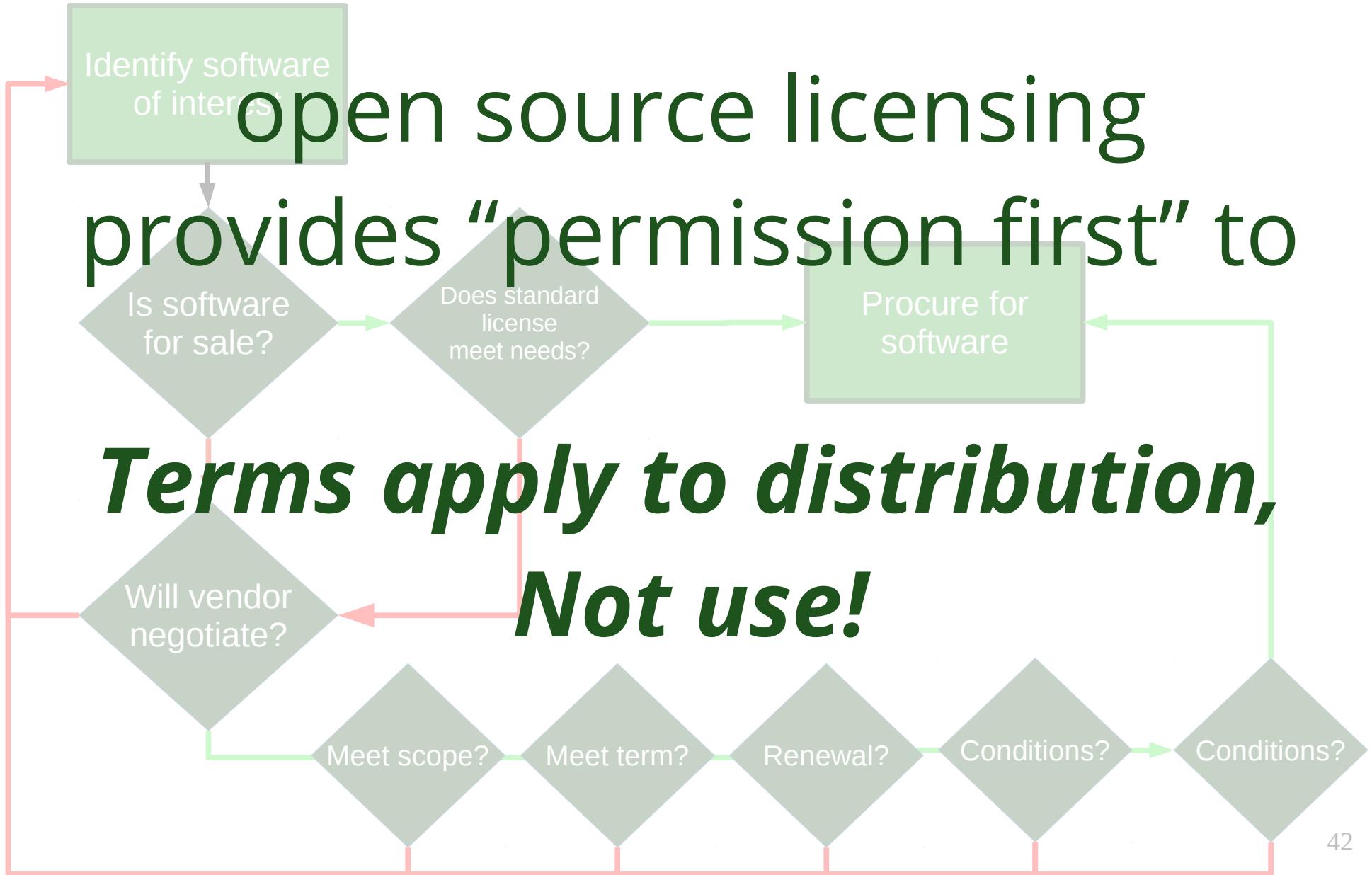
# Traditional Licensing Process



# Licensing Process



# Licensing Process



# Terms a license, Considering OSD

- Scope: What is being licensed, who can use the IP, for what?
- Duration: How long will the license be?
- Renewal: Are there conditions for renewing?
- Conditions of use: Are there standards to be met?
- Indemnification: How are parties protected against liabilities?
- Audit: How is the license terms enforced?
- IP Protection: How will parties preserve exclusivity?
- Warranties: What protections are in place?
- Payment: How much will this cost?
- Infringement: What are the penalties for violations?

# The Open Source Definition

1. Free Redistribution
2. Source Code
3. Derived Works
4. Integrity of The Author's Source Code
5. No Discrimination Against Persons or Groups
6. No Discrimination Against Fields of Endeavor
7. Distribution of License
8. License Must Not Be Specific to a Product
9. License Must Not Restrict Other Software
10. License Must Be Technology-Neutral



MIT!

Permissive

Free Software

Open Source

Copyleft

GPL

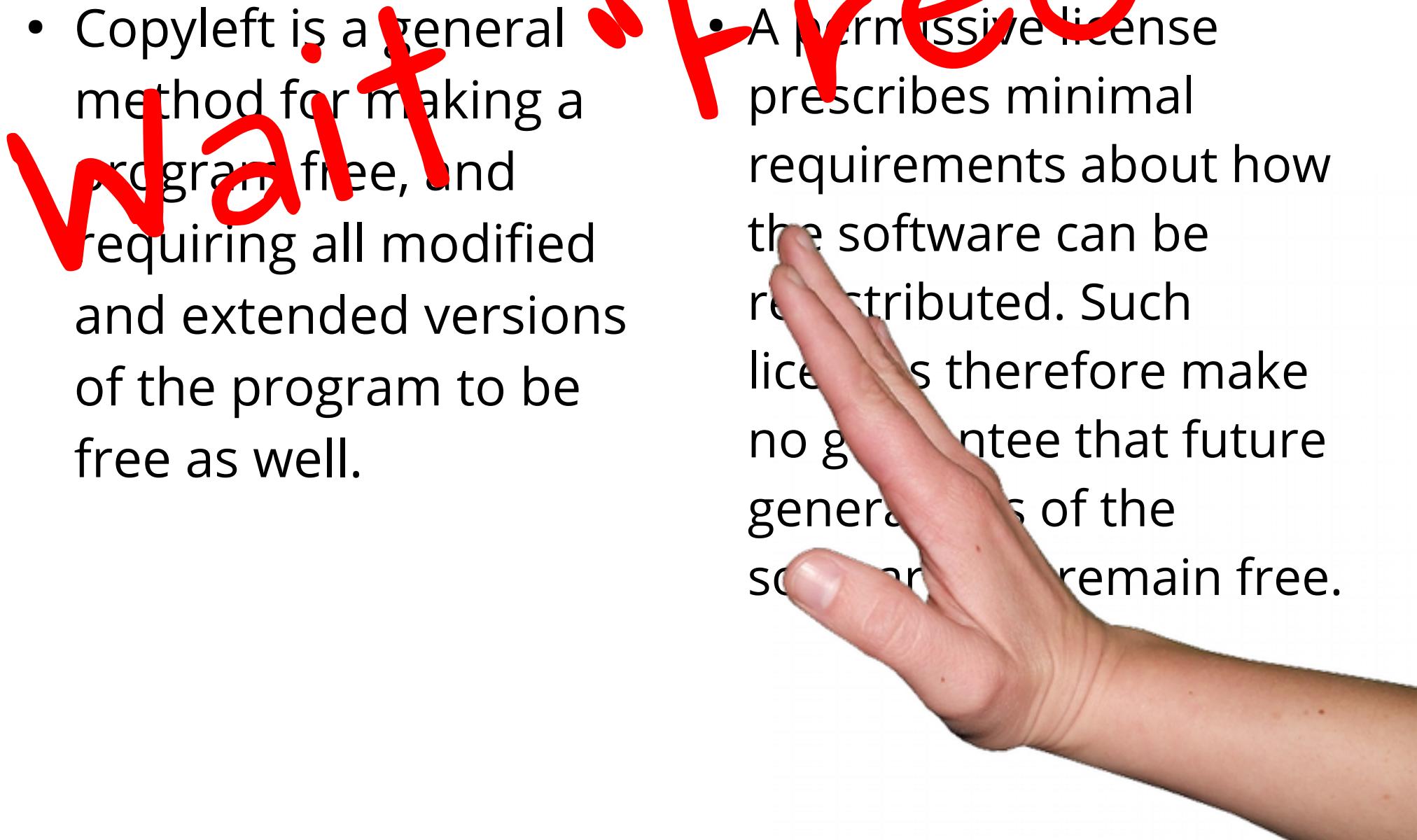
# Copyleft & Permissive Licenses

- Copyleft is a general method for making a program ***free***, and requiring all modified and extended versions of the program to be ***free*** as well.
- A permissive license prescribes minimal requirements about how the software can be redistributed. Such licenses therefore make no guarantee that future generations of the software will remain ***free***.

# Copyleft & Permissive Licenses?

- Copyleft is a general method for making a program free, and requiring all modified and extended versions of the program to be free as well.

- A permissive license prescribes minimal requirements about how the software can be redistributed. Such licenses therefore make no guarantee that future generations of the software will remain free.



*“Unquestionably one of the great seminal figures of the hacker culture.”*

—Eric Raymond, open source evangelist and author of *The Cathedral and the Bazaar*

# FREE AS IN FREEDOM

## RICHARD STALLMAN’S CRUSADE FOR FREE SOFTWARE



SAM WILLIAMS

The freedom to run the program as you wish, for any purpose (freedom 0).

The freedom to study how the program works, and change it so it does your computing as you wish (freedom 1). Access to the source code is a precondition for this.

The freedom to redistribute copies so you can help your neighbor (freedom 2).

The freedom to distribute copies of your modified versions to others (freedom 3). By doing this you can give the whole community a chance to benefit from your changes. Access to the source code is a precondition for this.

# Copyleft & Permissive Licenses

***All provide software freedom***

## Copyleft

General Public  
License (GPL)  
Affero GPL (AGPL)

## Lesser

Eclipse (EPL)  
Mozilla (MPL)  
Lesser GPL (LGPL)

## Permissive

Apache  
BSD  
MIT

Public Domain

# Derivative Works

A “derivative work” is a work based upon one or more preexisting works, such as a translation, musical arrangement, dramatization, fictionalization, motion picture version, sound recording, art reproduction, abridgment, condensation, or any other form in which a work may be recast, transformed, or adapted.

A work consisting of editorial revisions, annotations, elaborations, or other modifications which, as a whole, represent an original work of authorship, is a "derivative work".

# Derivative Works

If you create a derivative work from code distributed under a “**Copyleft**” license, you must honor the reciprocity provision and publish the source code of your derivative works that you distribute.

If you create a derivative work from code distributed under a “**Permissive**” license requires little more than attributing the original portions of the licensed code to the original developers in your own code and/or documentation.

# tl;dr Legal

MIT License (Expat) Expired

<https://tldrlegal.com/license/mit-license>

tl;drLegal | Lookup Code Licenses, EULAs, ToS & Software Licenses

Browse | Submit | Pages | [Sign Up](#) | [Log In](#)

MIT License (Expat) ✓

Code License managed by [kevin](#), submitted 20 months ago. #Open Source #OSI-Approved #Permissive

Summary | Fulltext | Changesets | 107319

---

## Quick Summary

A short, permissive software license. Basically, you can do whatever you want as long as you include the original copyright and license notice in any copy of the software/source. There are many variations of this license in use.

---

Can	Cannot	Must
▶ Commercial Use	▶ Hold Liable	▶ Include Copyright
▶ Modify		▶ Include License
▶ Distribute		
▶ Sublicense		
▶ Private Use		

Disclaimer: This is only a short summary of the Full Text. No information on TLDRLegal is legal advice.

# tl;dr Legal

GNU General Public License v3 (GPL-3)

Code License managed by kevin, submitted 20 months ago. #Copyleft #GNU #OSI-Approved #Open Source

Summary Fulltext Changesets 84577

## Quick Summary

You may copy, distribute and modify the software as long as you track changes/dates in source files. Any modifications to or software including (via compiler) GPL-licensed code must also be made available under the GPL along with build & install instructions.

Can	Cannot	Must
▶ Commercial Use	▶ Sublicense	▶ Include Original
▶ Modify	▶ Hold Liable	▶ State Changes
▶ Distribute		▶ Disclose Source
▶ Place Warranty		▶ Include License
▶ Use Patent Claims		▶ Include Copyright

## Quick Summary

[Edit](#)

A short, permissive software license. Basically, you can do whatever you want as long as you include the original copyright and license notice in any copy of the software/source. There are many variations of this license in use.

Can	Cannot	Must
▶ Commercial Use	⚠ Hold Liable	⚠
▶ Modify		⚠
▶ Distribute		⚠
▶ Sublicense		⚠
▶ Private Use		⚠

## Quick Summary

[Edit](#)

You may copy, distribute and modify the software as long as you track changes/dates in source files. Any modifications to or software including (via compiler) GPL-licensed code must also be made available under the GPL along with build & install instructions.

Can	Cannot	Must
▶ Commercial Use	⚠ Sublicense	⚠
▶ Modify	⚠ Hold Liable	⚠
▶ Distribute		⚠
▶ Place Warranty		⚠
▶ Use Patent Claims		⚠

# Terms of the copyleft, e.g. GPL?

- Scope: What is being licensed, who can use the IP, for what?
- Duration: How long will the license be?
- Renewal: Are there conditions for renewing?
- **Conditions of use: Are there standards to be met?**
- Indemnification: How are parties protected against liabilities?
- Audit: How is the license terms enforced?
- IP Protection: How will parties preserve exclusivity?
- Warranties: What protections are in place?
- Payment: How much will this cost?
- Infringement: What are the penalties for violations?

# Permissive terms, e.g. MIT?

- Scope: What is being licensed, who can use the IP, for what?
- Duration: How long will the license be?
- Renewal: Are there conditions for renewing?
- **Conditions of use: Are there standards to be met?**
- Indemnification: How are parties protected against liabilities?
- Audit: How is the license terms enforced?
- IP Protection: How will parties preserve exclusivity?
- Warranties: What protections are in place?
- Payment: How much will this cost?
- Infringement: What are the penalties for violations?

# Public Domain Terms?

- Scope: What is being licensed, who can use the IP, for what?
- Duration: How long will the license be?
- Renewal: Are there conditions for renewing?
- **Conditions of use: Are there standards to be met?**
- Indemnification: How are parties protected against liabilities?
- Audit: How is the license terms enforced?
- IP Protection: How will parties preserve exclusivity?
- Warranties: What protections are in place?
- Payment: How much will this cost?
- Infringement: What are the penalties for violations?

Is Public Domain  
Free and/or Open Source Software?

# Which is Better?

“constitutions of communities” - Eben Moglen

“express the consensus of how a community chooses to collaborate” - Simon Phipps

It is natural that different communities will have different licenses, that communities with different norms will find fault with the licenses used by others, and that all will regard their way as optimum.

# Licensing Strategies

Foster continued development:  
I, and you, benefited from open source software,  
we will benefit if they contribute too.

Foster distribution of code:  
If everyone relies on my work,  
We all will be committed to continue development.  
“broader adoption == more powerful and reliable”

# Licensing Philosophies

“The two terms [*Free* and *Open Source Software*] describe almost the same category of software, but they stand for views based on fundamentally different values.” - RMS

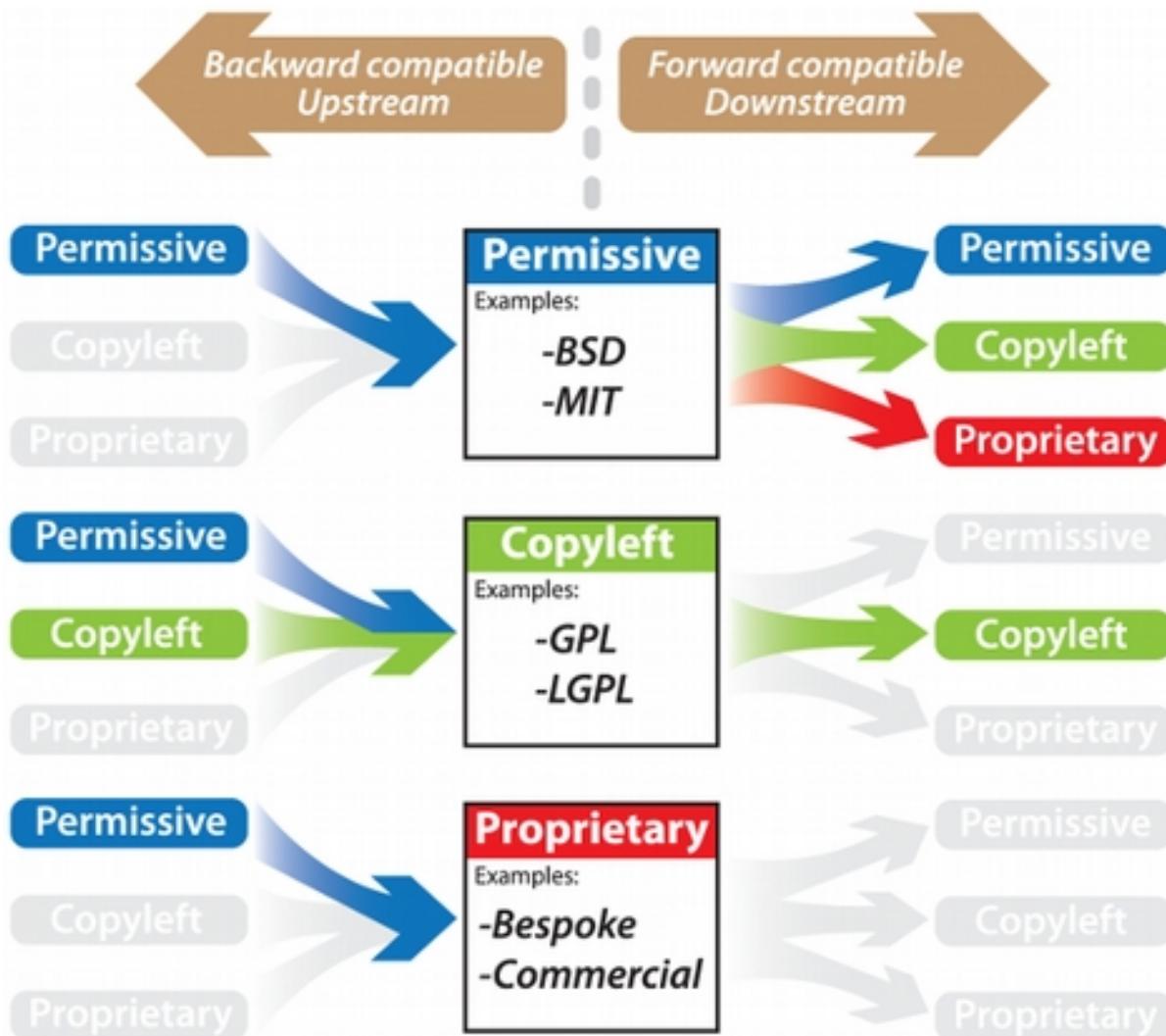
**Free Software / Copyleft Licenses:** “a social movement,” an ethical imperative, essential respect for the users' freedom.

**Open Source / Permissive Licenses:** practical, pragmatic approach to developing better software and communities.

<http://www.gnu.org/philosophy/open-source-misses-the-point.en.html>

# License Compatibility

- License compatibility is an issue that arises when licenses applied to copyrighted works, particularly licenses of software packages, can contain contradictory requirements, rendering it impossible to combine source code or content from such works in order to create new ones



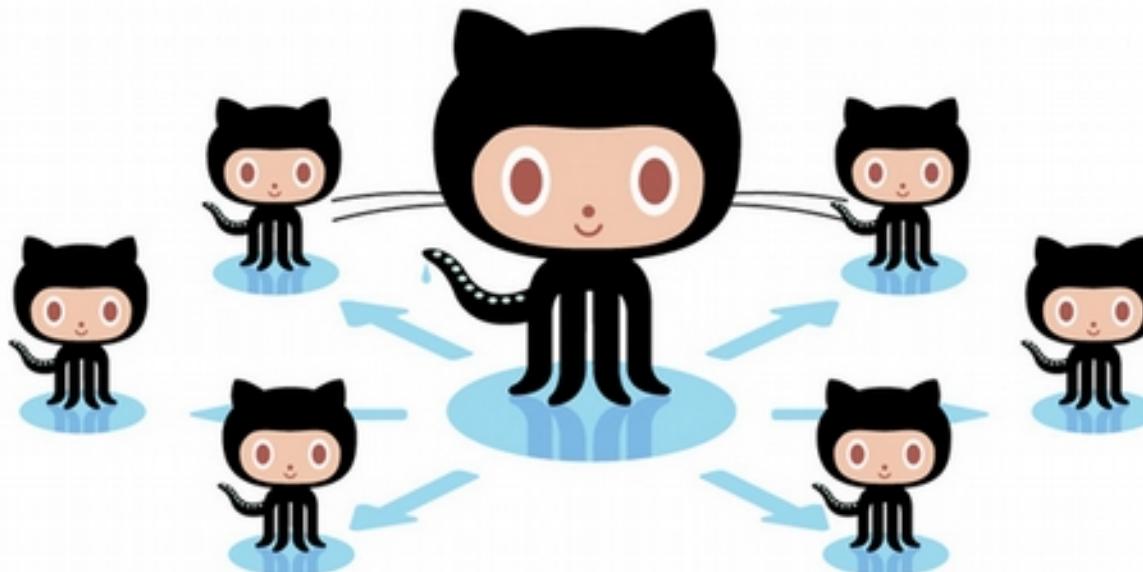
# “Post Open Source”

## disdain or disregard for both licensing and governance

WIR ED The GitHub Revolution: Why We're All in Open Source Now SUBSCRIBE 

BUSINESS DESIGN ENTERTAINMENT GEAR SCIENCE SECURITY

# THE GITHUB REVOLUTION: WHY WE'RE ALL IN OPEN SOURCE NOW

A central GitHub Octocat character is surrounded by six smaller Octocat icons, all connected by blue arrows pointing towards the center, symbolizing a network or revolution.



**digitalfreddy** @digitalfreddy · 11h

@spark\_io I just discover that your licence is not at @OpenSourceOrg list  
opensource.org/licenses/alpha... finally you are or not #OpenSource?



**Jim Jagielski** @jimjag · Apr 21

"While licenses are not required for open source projects"... HUH?? What sort of  
misinformation is THAT? business2community.com/tech-gadgets/g...



9



10



[View summary](#)



**Jim Jagielski** @jimjag · Apr 21

Unless a project has an OSI approved license, it is NOT an "open source" project.  
!c @OpenSourceOrg #opensource #GitHub



**Sam Shawki** @sshawki · Apr 20

Anyone know why an opensource project on @sourceforge is password protect  
with no reference on how to unlock? @OpenSourceOrg



9



1



**Madeleine Ball** @madprime · Apr 14

Introducing the new #ResearchKit-BSD license! @OpenSourceOrg has a new  
license to review. :D [github.com/ResearchKit/Re...](https://github.com/ResearchKit/Re...)  
cc @paultag



9



1

[View summary](#)



**htilonom** @htilonom · Apr 8

When will open source community react to #anonabox stealing open source  
software and claiming it theirs? @OpenSourceOrg



8



3



**Hessel van Tuinen** @HesselvanTuinen · Feb 28

@OpenSourceOrg Q: Any open source code for iBeacons available yet?  
#ibeacons #open #location #multidevice



1



1





## OPEN SOURCES

By Matt Asay | Follow

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TechRepublic / U.S. ▾

# The GitHub kids still don't care about open source

By Matt Asay March 30, 2015, 3:12 PM PST // [mjasay](#)



Most GitHub repositories still don't carry a license. This is a problem. Matt Asay explains why.

## We're living in a post-open source world

Increasingly, software isn't sold, it's used to power services offered over the Internet. So why contend with the complexities of open source licensing?

The screenshot shows the homepage of opensource.com. The top navigation bar includes links for "Articles", "Resources", "Community", "About", and "The Open Org". A prominent banner in the center reads "DISCOVER AN OPEN SOURCE WORLD". Below the banner, there is a featured article titled "The new software hygiene: Declare a license or risk losing participation" by Stephen R. Wall, posted on September 27, 2012. The article has a rating of 5 stars from 6 votes. To the right of the article, there is a sidebar with a profile picture of a man and a bio: "I am a technical executive, a founder, a consultant, a writer, an international business person, a systems developer, a software construction geek, and a standards diplomat."



James Handwaver

@monkchips

younger devs today are about POSS - Post open source software. fuck the license and governance, just commit to github.

RETWEETS 62 FAVORITES 39



2:34 AM - 17 Sep 2012



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DATA CENTER SOFTWARE NETWORKS SECURITY INFRASTRUCTURE BUSINESS HARDWARE SCIENCE

Software ▾ Developer

Study: Most projects on GitHub not open source licensed 44

Kids these days, they just don't care

18 Apr 2013 at 01:22, Neil McAllister

165

27

8+

3

Code-sharing website GitHub has grown so popular that it and open source are practically synonymous for many developers. But new research shows that most of the projects now on GitHub are released under license terms that are unclear, inconsistent, or nonexistent, leaving their legal status as open source software uncertain.

# “Post Open Source”



New Open Source Website/ Web app (self.opensource)  
submitted 9 hours ago by Rautaisetlintu

Hello everyone, I am currently working on a website/web app and I was thinking of making it open source but since I've never made stuff open source what else is needed besides github? Anyone can contribute if they wish.  
Thanks.

Percentage of repositories licensed

<https://github.com/blog/1964-open-source-license-usage-on-github-com>



## JavaScript strange syntax

I'm getting around to learning JavaScript - really learning JavaScript. I come from a PHP background so some JavaScript concepts are still new to me, especially asynchronous programming. This question might have already been answered many times before but I have not been able to find an answer. It might be because I don't really even know how to ask the question other than by showing an example. So here it is:

When using the deferred package from npm, I see the following example:

1

```
delayedAdd(2, 3)(function (result) {
    return result * result
})(function (result) {
    console.log(result); // 25
});
```

mhlz's answer is very clear. As a supplementary, here I compose a `delayedAdd` for you to better understand the process

7

```
function delayedAdd(a, b) {
    var sum = a + b
    return function(f1) {
        var result1 = f1(sum)
        return function(f2) {
            f2(result1)
        }
    }
}
```

Where in your example code, the function you passed as `f1` is:

```
function (result) {
    return result * result
}
```

and `f2` is:

```
function (result) {
    console.log(result)
}
```

share improve this answer

answered 42 mins ago



Leo  
4,372 • 7 • 24

# “Post Open Source”

Post Open Source Software

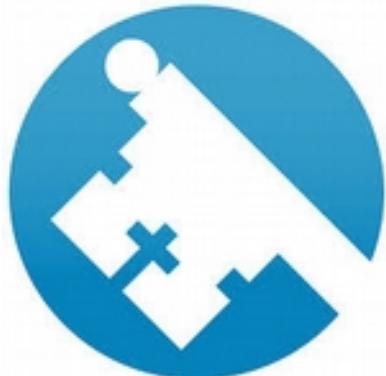
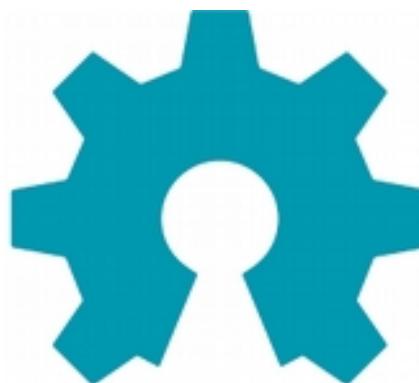
<http://opensource.com/law/13/8/github-posse-licensing>



No explicit license == "all rights reserved"

Richard Fontana, OSI Board Director &  
Intellectual Property Counsel/Open Source Licensing  
and Patent Counsel at Red Hat.

# Open\* ?!?!? !? !? !? !? !? !?





# OSHWA

OPEN SOURCE HARDWARE ASSOCIATION

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## OSHWA is having a Membership Drive!

1

Posted on December 15, 2014 by [aileen](#)

We are launching a Membership Campaign to double our members of like-minded individuals and companies between now and January 15, 2015. Help us reach our goal by spreading the word: [www.oshwa.org/membership/](http://www.oshwa.org/membership/). We will keep you all updated on our membership drive as things progress. If you have innovative ideas on how we can attract more members, please get in touch with Aileen at [info@oshwa.org](mailto:info@oshwa.org). We welcome your ideas.

### ARCHIVES

- [December 2014](#)
- [October 2014](#)
- [September 2014](#)
- [June 2014](#)
- [May 2014](#)
- [April 2014](#)
- [February 2014](#)
- [January 2014](#)
- [December 2013](#)
- [November 2013](#)
- [October 2013](#)



## Our Mission

Open Source Robotics Foundation, Inc. (OSRF) is an independent non-profit organization founded by members of the global robotics community. The mission of OSRF is to support the development, distribution, and adoption of open source software for use in robotics research, education, and product development.

We are located in the San Francisco Bay Area.

Check out [our projects](#) and get involved in robotics!

To stay up to date with future announcements, [contact us](#) directly.

## From Our Blog

### [Clearpath offers ROS consulting service](#)

Our friends at Clearpath Robotics announced today that they're offering ROS consulting services for enterprise R&D projects. And they've committed to giving part of the proceeds to OSRF, to support... [\[Read More\]](#)

### [The Value of Open Source Simulation](#)

As part of the run-up to the DARPA Robotics Challenge Finals in June, check out this piece on the role of tools like Gazebo: "The Value of Open Source Simulation... [\[Read More\]](#)

# OPEN-SOURCE DRONES FOR FUN AND PROFIT

**F**RIDAY IS FLY DAY at 3D Robotics, a maker of small robotic aircraft. So here we are, on a windswept, grassy landfill with a spectacular view of San Francisco's Golden Gate Bridge, looking up at a six-prop copter with a gleaming metal frame. It's like a spiffy toy from the future. Buzzing like a swarm of bees, it lifts off smartly, hovers, then pinwheels.

"Jason's making the hex twirl," says CEO Chris Anderson, a trim man in jeans and an untucked oxford shirt. "That's just for show—a human pilot couldn't





# Open Source Washing Machine Project

## searching free and low-cost alternatives to hand washing

RSS

CONTACT

## About

*Most of the people in this planet, mostly women, wash clothes by hand in harsh conditions related to poverty, lack of sanitation, water or energy. The biggest problem is the time and the energy consumed for this task: hours and hours per week, real painful task for the body and mind, during most of their life...*

In rich countries, women started to emancipate themselves, started to be educated, started to have time for themselves and their children when washing machines arrived in the first half of the XXth century. This was a major step in gender equality, a big step in human rights. Could the future of the world be linked to washing technologies ?

If you live in a rich country, ask your grandmothers ! their answer will surprise you !



## Pages

### About

- + News
- + History
- OSWash project
- Washing technologies
  - + Rotating washing machines
    - + Portable rotating engine for any bucket
    - + Vibration washing machines
    - + Brushing and batting systems
    - + Water pressure systems
    - + Bubbling systems
    - + Bacterial washing systems
    - + Ultrasonic machines
    - + Other biological systems...
  - Gallery
  - + Tests
  - Detergents
  - Bricolabs



# Bringing together design and open source

We are a community of designers and developers aiming to push more open design processes and improve the design of open source apps

## Jobs page

A job board for medium- to large-sized design tasks from open source projects.

[Check out open source design jobs](#)

## Chat app

A nice chat app for open source developers and designers to collaborate. It uses IRC as base technology since most open source projects use IRC and it's an open protocol unlike modern chat & collaboration apps. We're basing it off [Shout](#).



apr 08, 2014

## 20 Open Source Furniture Designs



Share on Facebook



Share on Twitter



<http://www.shareable.net/blog/20-open-source-furniture-designs>

### open source furniture by philippe starck for TOG

<http://www.designboom.com/design/open-source-furniture-philippe-starck-for-tog-04-08-2014/>

+ TOPICS

# How to Hack Your Way to Product Success

April 22nd, 2015

Business Strategy, Startup Tech

# Mobile Is Not Meant For Conversion

April 13th, 2015

Business Strategy, Mobile, Online Commerce, Retail Strategy

# Open Source Photography



## Best Digital Photography Software (Open Source / Free)

<http://tjfree/digital-photography--image-software/> Here free programs good working digital photography. Gimp - Bitmap Image Editor Similar Photoshop ufRaw...



## Open Broadcaster Software for Linux: Free, open source software for live streaming and recording

Available <http://OBSProject>. Official installation instructions: <https://obsproject.com/forum/threads/ubuntu-14-04-14-10-ppa-installation-instructions.16495> First Recording: <http://youtu...>



## D3.js - The Future of Open Source BI?

<http://d3js.org/> - VISIT THIS LINK Mike Bostock' development project producing beautiful BI . [mbostock.github.io/d3/](https://mbostock.github.io/d3/)



Open Source Beehives

FORUM SOURCE FILES CONTACT

GET YOUR BEEHIVE

# Open Source Beehives

Beehives Available Now On the AKER Campaign!

*March through April 12th!*

[GET YOUR BEEHIVE](#)

<http://www.opensourcebeehives.net/>



# open source seed initiative

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## Home



<http://osseeds.org/>



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## COOK TONIGHT

using ingredients you already have!

### Tastebud on iPhone

Finds delicious recipes based on ingredients you already have in your kitchen - no grocery store trip required!

[Download Now!](#)

Just Eggs - oza & Pomegranate Ponzo  
by yongfook<sup>PRO</sup>

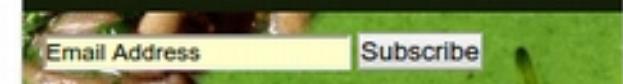
23

Amazing [Recipes](#). Delicious Food. Beautiful Photography. Created and rated by you and fellow food-lovers from all over the world. **Open Source Food** is your gastronomic hub where every visit will bring inspiration and a rumbling belly...

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### FREE RECIPES IN YOUR INBOX!

No membership needed! Subscribe to get a weekly newsletter of Open Source Food's TOP RECIPES, with pics!



# Open source cola and the 'Napster moment' for the food business

CULTURE / 15 APRIL 13 / by IAN STEADMAN



The revolution in 3D printing is seeing enthusiasts sharing designs for everything from chairs to guns to faces. With small steps, it's even making its way into the world of food.

That might seem the most natural of all, on the face of it. Food is a social thing, from the sharing of recipes to the sharing of a meal. But it's a different kind of sharing to that we associate with other arts. Sharing a recipe isn't an economic issue for the food industry like sharing a song is to the music industry -- but what if you could print off not just a hamburger, but a Big Mac? For a look at how this future might turn out, let's look at the Coca-Cola recipe.

Unless you're in Cuba or North Korea right now you live in a country where Coca-Cola is easily available. The contents of the bottle you buy in Botswana or Bolivia has the same ingredients (give or take the odd regional variation such as cane sugar versus corn syrup) as the contents of the bottle you buy in China or Chile.



Which cola is "the Real Thing"? Shutterstock

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HOME BREWING

3

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# The Open Source Brewing Movement

BY MIKE STUART · FEBRUARY 27, 2014

The internet has had a monumental impact on bringing together like-minded folks to freely share education and creativity. The information sharing juggernaut has also been integrated into the craft beer brewing community. Nowhere is this more evident than a growing number of professional, for-profit, breweries openly sharing their beer recipes with homebrewers (and often, their primary customer). They've taken one of their most valuable intellectual assets and put it out there for the community to embrace and learn from.

## The Open Source Spectrum

There are a number of breweries that openly share their recipes. A few that come to mind are Modern Times, Avery, Deschutes, and Ballast Point. There is a spectrum of open source ranging from all of their recipes, to a few select beers, to sharing the ingredients but not the proportions. However, these brewers obviously embrace their homebrewing roots and provide a platform for others to either recreate a known entity or use it as a springboard to something altogether different.

<http://brewprof.com/the-open-source-brewing-movement/>

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54



128



10



2



[OSI-TM] [Trademark enquiries] use of 'open source' in a domain name

Reply Group Reply Forward < >

**From:** [dpdaug@gmail.com](mailto:dpdaug@gmail.com)  
**To:** [trademarks@opensource.org](mailto:trademarks@opensource.org)  
**Subject:** [OSI-TM] [Trademark enquiries] use of 'open source' in a domain name  
**Date:** Mon, 25 May 2015 15:33:13 +0000 (UTC) (05/25/2015 11:33:13 AM)

Dan Daugherty ([dpdaug@gmail.com](mailto:dpdaug@gmail.com)) sent a message using the contact form at <http://opensource.org/contact>.

Hello,

I blog about hard cider, mead (honey wine), and how to make them. I'm working on a concept for a cider-making company which is very open in terms of its process and ingredients, and which involves and educates customers extensively as part of the experience.

The term that keeps coming to mind is 'Open Source Cider'. However, I'm aware that OSI holds trademarks around the concept, so I thought I'd contact you to get your position on the matter.

Would you permit the use of the above name--or the domain [opensourcecider.com](http://opensourcecider.com)--completely unrelated to software and in a fashion which clarifies that there is no affiliation with the OSI, or would you consider it a trademark violation?

Thanks for your time,

Dan Daugherty  
[dpdaug@gmail.com](mailto:dpdaug@gmail.com)

Report as inappropriate:  
[http://opensource.org/mollom/report/mollom\\_content/1505256b14144513db](http://opensource.org/mollom/report/mollom_content/1505256b14144513db)

---

Trademarks mailing list  
[Trademarks@opensource.org](mailto:Trademarks@opensource.org)  
<http://projects.opensource.org/cgi-bin/mailman/listinfo/trademarks>

BRIGHT IDEAS

# Open-source streetlamps from old soda bottles are making streets safer for women



<http://qz.com/382486/open-source-streetlamps-from-old-soda-bottles-are-making-streets-safer-for-women/>

Richard Baraniuk:

# The birth of the open-source learning revolution



TED2006 · 18:34 · Filmed Feb 2006

Subtitles available in 26 languages

 View interactive transcript

Share  
this idea



879,593 Total views

 Share this talk and  
track your influence!

In 2006, open-learning visionary Richard Baraniuk explains the vision behind Connexions (now called OpenStax), an open-source, online education system. It cuts out the textbook, allowing teachers to share and modify course materials freely, anywhere in the world.

# UMass students, librarians want more faculty to use open source textbooks to save students money



CAMPUS LIFE

## SUNY Schools To Use Free Open Textbooks Next Semester

By Emily Schwartz

[Like](#) 218 [Share](#) [Tweet](#) 107 [Share](#)



# California Takes a Big Step Forward: Free, Digital, Open-Source Textbooks

MEGAN GARBER | SEP 30 2012, 9:20 AM ET

*A Golden State experiment with nationwide impact*



Governor Jerry Brown meets with university students while signing legislation aimed to offer them financial aid (AP)



## ***College first Massive Open source Online Course (MOOC)***

*I began but did not finish my first MOOC (Massive Open-Source, Online Course). Harvard's Michael Sandel's popular class, "Justice," on political philosophy.*

*The Gates grantees aren't the only ones giving open-source courses a whirl.*

Are you seeing other examples of this Mini-MOOC trend (free, open source courses by a startup or organization)? Tell us about it in the comments section below.

## ***MOOC (massive open source online course)***

*A MOOC is an open source online course that is, in general, hosted by an established leader in higher education and online learning.*

***MBA program based on open source courses from edX, Coursera, and others.***

*MITx: an independent, not-for-profit company that would offer massive online courses from MIT on an open-source basis.*

***...capitalize on the intense demand for high-quality, open-source online courses. Based on the popularity of the MOOC offerings online so far, we know that open-source courses at elite universities have the potential to serve enormous "classes."***

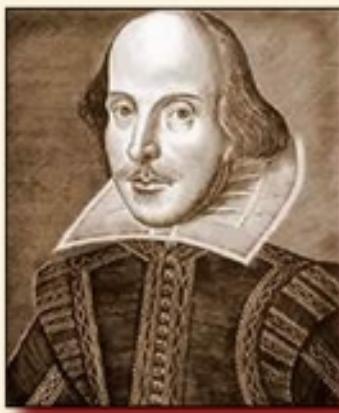
*A MOOC is essentially an open source classroom. I attended a live Blackboard Connect class with over 250 educators from all over the world... it was fascinating.*

*MOOC development emerged from the most elite universities, which initially offered their open-source courses as a tool to help students succeed in introductory classes.*

*Many agencies outside of academia also find these open source courses beneficial as they allow employees to acquire new knowledge without spending corporate money.*

# OpenSourceShakespeare

AN EXPERIMENT IN LITERARY TECHNOLOGY



William Shakespeare  
1564-1616

## PLAYS

All's Well That Ends Well  
Antony and Cleopatra  
As You Like It  
Comedy of Errors  
Coriolanus  
Cymbeline  
Hamlet  
Henry IV, Part I  
Henry IV, Part II  
Henry V  
Henry VI, Part I  
Henry VI, Part II  
Henry VI, Part III  
Henry VIII  
Julius Caesar  
King John  
King Lear  
Love's Labour's Lost  
Macbeth  
Measure for Measure  
Merchant of Venice  
Merry Wives of Windsor  
Midsummer Night's Dream  
Much Ado about Nothing  
Othello  
Pericles  
Richard II  
Richard III  
Romeo and Juliet  
Taming of the Shrew

- Use [Mobile Open Source Shakespeare](#) on your mobile device
- Add a [Shakespeare search box](#) to your browser

## Features

concordance + keyword search + advanced search + statistics

## Plays

by genre + by number of words + by number of speeches + character list + character search

## Sonnets and Poems

individual sonnets + sonnets compared side-by-side + all sonnets + all poems



## More than just a collection of texts...

Open Source Shakespeare attempts to be the best free Web site containing Shakespeare's complete works. It is intended for scholars, thespians, and Shakespeare lovers of every kind. OSS includes the 1864 Globe Edition of the complete works, which was the definitive single-volume Shakespeare edition for over a half-century. [READ MORE...](#)



## Why use Open Source Shakespeare?

This site was built with four attributes in mind: **Power, Flexibility, Friendliness, and Openness**. It won't replace the expensive, subscription-only sites at libraries or research institutions, but you can use the [advanced search function](#), read the [plays](#), and look up words in the [concordance](#).

From June 2006 to August 2014, Open Source Shakespeare hosted over 6.5 million unique visitors, who logged over 32.7 million page views.

Users performed over 1.5 million [searches](#) from September 2012 to August 2014.

## TEXT SEARCH

Search in work:

▼

For more search options, try the [advanced search](#).

## CONCORDANCE SEARCH

- Exact spelling  
 First part of a word  
 Any part of a word

## CHARACTER SEARCH

Enter a name, or the first part of a name, to locate the character(s) you want to find  
[Full search page](#)

# OPEN SOURCE

ON VIEW

UPCOMING

PAST

EVENTS

CHURCH OF MONIKA

HTBAF

KIDS

ABOUT

CONTACT

Sign up for email list\*

Zip

- All
- Exhibits and Events
- Kids Programs
- Press

**Subscribe**

Search

**Search**

## ABOUT

[Mission](#) | [History](#) | [Staff](#) | [The Board](#) | [Press](#) | [Open Calls](#) | [Opportunities](#)

### Our mission:

Open Source is a Brooklyn based non-profit that serves as a nexus for contemporary art and local neighborhood cultures, with a history of supporting emerging artists who through the development of new works challenge how, when, and where contemporary art intersects and integrates with the everyday lives of everyday people. We place strong emphasis on public socially engaged artwork, sustainable communities, and social justice.



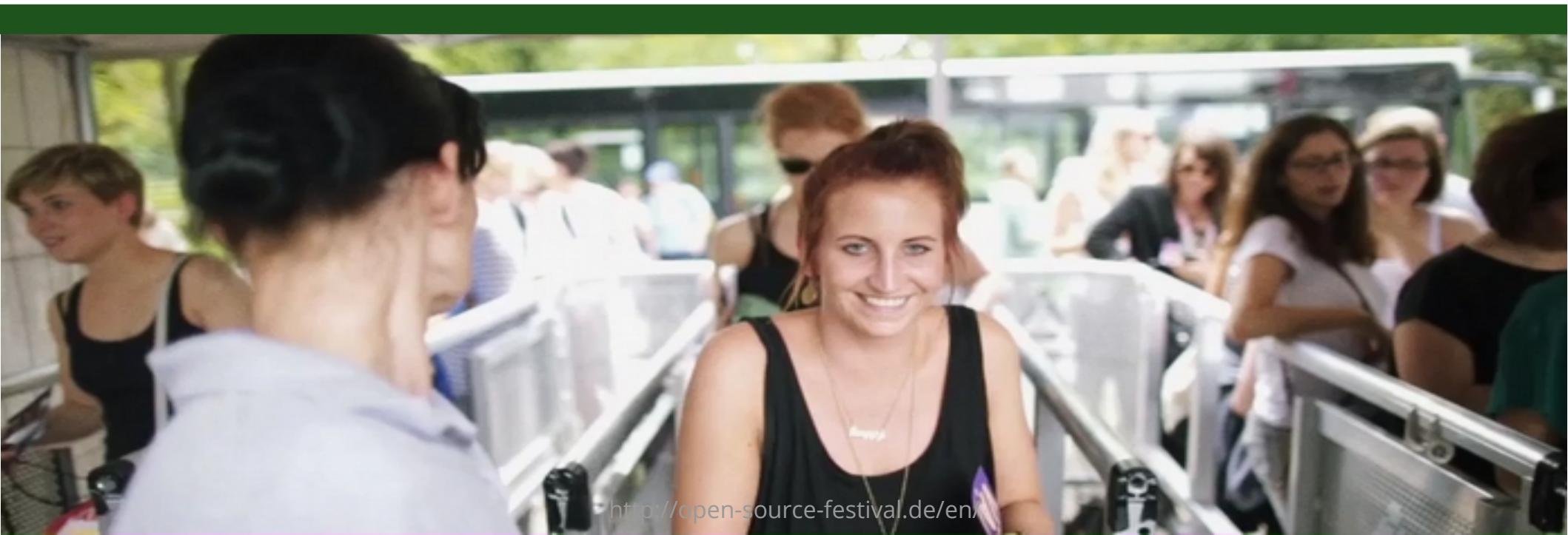
[HOME](#)[PROGRAMME](#)[GET INVOLVED](#)[LOCATION](#)[GALLERY](#)[PARTNERS](#)[VACANT TO VIBRANT](#)

## THE OPEN SOURCE

The Open Source is a performance space, music venue and workshop hub bringing life back into an empty space in Belfast's Cathedral Quarter during the annual **Cathedral Quarter Arts Festival**.

The Open Source brings vibrancy to a vacant property and provides space for free workshops, performances and exchange of ideas throughout the day and into the early evening.

Run by volunteers and made possible by the donation of the space, furniture, equipment and the artists' time, The Open Source relies on the spirit of collectivism and collaboration to provide a dynamic and creative hub.





## Inside '90s Heartthrob-Turned-Spiritual Guide Andrew Keegan's 'Full Circle'

Apr 30, 2015, 5:05 PM ET

By DAN HARRIS, VICTORIA THOMPSON and LAUREN EFFRON via NIGHTLINE



Andrew Keegan is shown here, back left, with fellow Full Circle congregants.

Victoria Thompson/ABC

*"Full Circle is an open source spiritual community," Keegan said. "We have a creed. We do believe that everything is an expression of the creator and that we coming together create our own destiny, our own path."*



Beth Noveck:

# Demand a more open-source government

TEDGlobal 2012 · 17:23 · Filmed Jun 2012

Subtitles available in 18 languages

[View Interactive transcript](#)

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track your influence!TED Talks are free  
thanks to support from

What can governments learn from the open-data revolution? In this stirring talk, Beth Noveck, the former deputy CTO at the White House, shares a vision of practical openness — connecting bureaucracies to citizens, sharing data, creating a truly participatory democracy. Imagine the "writable society" ...

[Interactive transcript](#)

TED Talks are free thanks to support from

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make decisions.  
Smarter industries are  
made with IBM.



# Main Entry: fauxpen source

Pronunciation: \fō-pən sōrs\

Function: noun

Etymology: a term invented by Phil Marsosudiro  
at a dinner party in North Carolina

Date: 2 May 2009

: A description of software that claims to be open source, but lacks the full freedoms required by the **Open Source Definition**.

synonyms: see open core, neo-proprietary

antonyms: see Linux kernel, Apache, OpenNMS

<http://fauxpensource.org/>

# Fauxpen Source Software

The image shows a vertical list of four tweets from a mobile application. Each tweet has a small profile picture, the author's name, the date (Feb 24), the recipient (@OpenSourceOrg), and the message content. Below each tweet are five small grey icons: a left arrow, a retweet symbol, a reply symbol, a star, and three dots.

- Michael W. Dean** @FreedomFeens · Feb 24  
@OpenSourceOrg BipCot No-Government License:  
[bipcot.org](http://bipcot.org)
- OpenSourceInitiative** @OpenSourceOrg · Feb 24  
@FreedomFeens Per the page's thread, BipCot NoGov lic. shouldn't be referred to as an open source license, conflicting w/5 & 6 of the OSD.
- Michael W. Dean** @FreedomFeens · Feb 24  
@OpenSourceOrg We called it open source in an early draft, but stopped doing that before releasing it.
- Michael W. Dean** @FreedomFeens · Feb 24  
@OpenSourceOrg It is not open source, though the source is open. Just wanted to share with you, since it is an interesting license.

# Fauxpen Source Software

Qabel GmbH

<https://qabel.de/index-en.html>

Qabel is a free, open-source, decentralized, expandable platform, that...



*The software "Qabel" is licensed under the QaPL, a specially developed license, which's source code is open. The QaPL can neither be classified according to the standards of the Free Software Foundation (FSF), nor to the standards of the Open Source Initiative (OSI) as "Free Software License" or "Open Source License" respectively.*

# Fauxpen Source Software

Qabel GmbH

<https://qabel.de/index-en.html>

Qabel is a free, open-source, decentralized, expandable platform, that...



## Please do not trust us.

It is not necessary.

Surveillance interface

Source code

Alpha test

*The software "Qabel" is licensed under the QaPL, a specially developed license, which's source code is open. The QaPL can neither be classified according to the standards of the Free Software Foundation (FSF), nor to the standards of the Open Source Initiative (OSI) as "Free Software License" or "Open Source License" respectively.*



# PUBLIC LICENSE

## Frequently Asked Questions

Below are four questions asked frequently of our Legal Team with regard to our OSET Public License ("OPL"). We hope this FAQ, in combination with our Rational White Paper, clarifies these inquiries.

### 1. Is your license truly an open source software license?

**Yes.** The OSET License ("OPL") is an open source software license, without a doubt amongst trained, experienced open source licensing lawyers. Here is why. The license meets the Open Source Definition promulgated by the Open Source Initiative (<http://opensource.org/osd-annotated>). The definition has 10 elements, as described below.

*We haven't reviewed the Open Public License, so can't give a formal opinion without running it through the process. But, I'll note that the license includes a requirement to notify the initial developer of every change. This type of requirement is generally regarded as failing to meet the Free Distribution criteria of the Open Source Definition. So, if we did review the Open Public License, **the likely outcome is that we'd rule it as not open source.***

- Allison Randal  
OSI President

The screenshot shows a web browser window with the URL [www.geogebra.org/license](http://www.geogebra.org/license). The page title is "GeoGebra". The navigation menu includes "Materials", "Downloads", "Community", "Help", and a "Sign in" button. The main content area is titled "GeoGebra License". It contains text about non-commercial use, guidelines for distinguishing between non-commercial and commercial use, and examples of commercial use.

## GeoGebra License

You are free to copy, distribute and transmit GeoGebra for non-commercial purposes (please see details below).

### Guidelines to distinguish Non-commercial and Commercial Use

You may only use the GeoGebra Software and Materials under the terms of a relevant licence agreement. The licence agreement which applies to you depends on your use of the Software and the Materials, which can be summarised as follows:

- You are free to copy, distribute and transmit GeoGebra for **non-commercial purposes**. Non-commercial use is subject to the terms of our [GeoGebra Non-Commercial License Agreement](#).
- Any use of GeoGebra for a **commercial purpose** is subject to and requires a special licence. If you intend to use GeoGebra for a commercial purpose, please contact [office@geogebra.org](mailto:office@geogebra.org) to arrange a License and Collaboration Agreement with us.

Whether a particular use of the GeoGebra Materials is "non-commercial" depends on the use, not the user, and to assist we have set out the notes below:

1. **Non-commercial Use.** We anticipate that non-commercial use will primarily involve students and teachers who may wish to use GeoGebra at home and in school or university for the purposes of their school or academic study and teaching, without intending to seek any commercial advantage or financial gain. This includes teachers in schools and universities where tuition fees are charged, so long as the use of GeoGebra is limited to personal or individual classroom teaching.
2. **Commercial Use.** We anticipate that commercial use will primarily involve publishers, online schools, schools or universities charging tuition or course fees where there is systematic or formal integration of GeoGebra within the curriculum, and non-profit organizations who wish to use GeoGebra to support activities that are intended toward securing a commercial advantage or the generation of revenue or monetary compensation.

Examples of commercial use might include:

- use of GeoGebra (or any related materials or resources) to generate or develop educational materials or resources which will be sold in exchange for a fee (including course or tuition fees) or (if given away for free) which are used to gain a commercial advantage for the user;
- the provision of training, support or editorial services that use or reference GeoGebra (or any related materials or resources) in exchange for a fee;
- use of GeoGebra (or any related materials or resources) within a non-academic ebook, textbook or journal, whether or not the book or journal is distributed for a fee. Please note that academic papers, conferences, and books do not require a License and Collaboration Agreement; and

The GeoGebra source code is licensed to you under the terms of the GNU General Public License (version 3 or later) as published by the Free Software Foundation, the current text of which can be found via this link: <http://www.gnu.org/licenses/gpl.html> ("GPL"). Attribution (as required by the GPL) should take the form of (at least) a mention of our name, an appropriate copyright notice and a link to our website located at <http://www.geogebra.org>.

# Open-ish



# Open Core

"Some open source software has a core kernel that is open source, but everything else about it is rather closed or proprietary," he explains. "This is called open core."

Gunnar Hellekson, chief technology strategist Red Hat, Campus Technology

<http://campustechnology.com/Articles/2012/09/11/7-Questions-to-Ask-Open-Source-Vendors.aspx?Page=2>

There are companies like Pentaho or Alfresco which offer an "open core" and sell additional features for that. I would consider that more as closed than as open source, in some way it is a bit like a "demo version".

Are there startups that went open-source and succeed?, Hacker News

<https://news.ycombinator.com/item?id=8341565>



# Open Core

## Simon Says...

Simon Phipps

## Open Core Is Bad For You

By Simon Phipps | Published 14:45, 29 June 10



*The open core model is being feted as the new default open source business model. But I assert it does not deliver and sustain the principle that delivers cost savings and flexibility to the customer - software freedom. As a consequence, businesses who live-or-die by open core risk the fate of Compiere ERP unless they can manage the incredibly delicate balance their customers will discover they demand.*

When I spoke at [the Transfer Summit in Oxford](#) last week, I invited the delegates to join me in reforming the Open Source Initiative (OSI). I repeated [the explanation I made here](#), that OSI needs to be rebuilt in the light of a re-projection of software freedom for a new decade. In articulating the challenges facing open source after ten years of success, I asserted - as I usually do - that "open core" is one of the big challenges facing open source. This surprised some delegates.

Last week Mårten Mickos, the former CEO of MySQL and new CEO of cloud technology company Eucalyptus, indicated [in an interview](#) that he is an advocate of the open core model. He said:

"We deliver a fully functional cloud with Eucalyptus software. You can download it on a GPL v3 license. But, additionally, we provide enterprise features only if you pay for them ... it's open core,"

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### About Author



With a focus on open source and digital rights, Simon is a director of the UK's Open Rights Group and president of the Open Source Initiative. He is also managing director of UK consulting firm Meshed Insights Ltd.

### Contact

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# open Core

Simon Says...

Simon Phipps

*...then problem with open core is that instead of delivering and cultivating software freedom, the open core business model induces dependency on closed software and lock-in to a vendor.*

Last week Mårten Mickos, the former CEO of MySQL and new CEO of cloud technology company Eucalyptus, indicated in an interview that he is an advocate of the open core model. He said:

"We deliver a fully functional cloud with Eucalyptus software. You can download it on a GPL v3 license. But, additionally, we provide enterprise features only if you pay for them ... it's open core,"

The screenshot shows a blog post on Computerworld UK. The title is "...then problem with open core is that instead of delivering and cultivating software freedom, the open core business model induces dependency on closed software and lock-in to a vendor." Below the title is a sub-headline: "The open core model is being feted as the new default open source business model, but is it doing real favors and hurting the principles behind the movement?" The post is by Simon Phipps, published on June 29, 2010, at 14:45. It has 34 comments. To the right is a photo of Simon Phipps, a man with glasses and a beard, wearing a dark jacket. Below the photo is a bio: "With a focus on open source and digital rights, Simon is a director of the UK's Open Rights Group and president of the Open Source Initiative. He is also managing director of consulting firm The Big Insights Ltd." There are links for Contact, Email, LinkedIn Profile, Twitter Profile, and Google+ Profile.

# Commercial Ownership

Forbes ▾ New Posts 13 Most Popular Lists Video Subscribe to Forbes Search



Ben Kepes  
Contributor

FOLLOW

TECH 3/25/2015 @ 4:14PM | 4,818 views

## A Cautionary Open Source Tale, Apple Buys And Shuts FoundationDB

+ Comment Now + Follow Comments

*Update. It turns out the situation is more complex than I first thought. The core of FoundationDB was closed source, but many components around it were open sourced. What this means is that people using those open source components relied on the FoundationDB core which now, alas, is no longer available. Thanks to Jeremiah Lee for the clarification as below:*



Jeremiah Lee @JeremiahLee

@benkepes This is misleading. @FoundationDB was not open source. Only components that depended on the closed source core were open source.

25 Mar



Jeremiah Lee  
@JeremiahLee

Follow

@benkepes If @FoundationDB itself had been open source, the community could continue using a fork and this wouldn't be as awful.

7:15 PM - 25 Mar 2015 ♀ Mission, San Francisco, United States

5 FAVORITE

## Apple May Have Just Killed An Open-Source Project

If you're using (or contributing to) FoundationDB, you're SOL.

Learn more

GitHub

Search GitHub

Explore Features Enterprise



FoundationDB

https://foundationdb.com



This organization has no public repositories.

## TJ Holowaychuk Passes Sponsorship of Express to StrongLoop

July 29, 2014 / 7 Comments / in Community, Express, News, Press / by Al Tsang



At StrongLoop we are very excited and honored to announce that as of this morning, [TJ Holowaychuk](#) has transferred the [Express repo](#) and [Expressjs.com](#) domain to StrongLoop.

The image shows the header of the TechRepublic website. It features a blue navigation bar with the TechRepublic logo, a dropdown menu for "U.S.", and links for "All Topics", "Newsletters", "Photos", "Forums", "Resource Library", and "Research". On the right side of the bar are user profile icons. Below the bar is a dark navigation bar with categories like "CXO", "Software", "Startups", "Cloud", "Data Center", "Mobile", "Microsoft", "Apple", and "Google". A search bar with the placeholder "Search TechRepublic" and a magnifying glass icon is also present.

## The dark side of commercial open source

By Matt Asay March 27, 2015, 4:41 AM PST // [@mjasay](#)

*one critical problem with commercial open-source companies: they can be bought. And sold. And when they are, the community can be shafted.*

Open Washing: Openwashing: to spin a product or company as open, although it is not. Derived from “greenwashing,”

- Michelle Thorn, Mozilla’s Director of the Webmaker Program



# Anonabox Promises Total Online Anonymity That's Easy, Open Source, and Cheap

By Evan Ackerman  
Posted 14 Oct 2014 | 21:00 GMT  
<http://spectrum.ieee.org/>

KICKSTARTER

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 Search Projects

anonabox : a Tor hardware router (Suspended)

by August Germar

anonabox



[www.anonabox.com](http://www.anonabox.com)

8,928

backers

\$585,549

pledged of \$7,500 goal

Funding Suspended

Funding for this project was suspended by Kickstarter on October 17.

The anonabox is an open source embedded networking device designed specifically to run Tor. It's 100% Open Source.

Chico, CA

Gadgets

Share this project

August Germar

First created | 2 backed  
[anonabox.com](http://anonabox.com)

[See full bio](#) [Contact me](#)



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## Fake privacy gadgets, from Anonabox to Sever: Fighting a strange and profitable epidemic

An neverending wave of snake oil salesmen proffering faux privacy gadgets are raking in the dough on crowdfunding sites like Kickstarter. If you see these claims, run.

# Jolla Tablet - world's first crowdsourced tablet



Hong Kong, Hong Kong



Technology

Story

Updates 13

Comments 1,459

Funders 21,570



InDemand

**\$2,555,547** USD

total funds raised



Original campaign was 480% funded  
on December 9, 2014

CLOSED

on March 31, 2015

SELECT A PERK

**\$249** USD

Featured

# Jolla's open-source tablet might actually stay the course

Finnish firm's Linux-based tablet looks like a tenable alternative to Apple iPads and Android devices.

**NETWORKWORLD**

## INTERNATIONAL BUSINESS TIMES

### Jolla Sailfish 2.0 Tablet: 'Open-Source iPad' Crowdfunded Within Hours

By Abigail Elise  @theabigailelise on November 19 2014 3:41 PM EST

**TC** Jolla's 'Open Source' iPad Alternative Raises More Than \$1M In Two Days' Crowdfunding

Posted Nov 23, 2014 by Natasha Lomas (@nrlp)

**Forbes**



TECH 12/10/2014 @ 4:49PM | 4,225 views

### The Case For The Jolla Tablet

[+ Comment Now](#) [+ Follow Comments](#)

**PC**

## Hands On: Jolla Tablet and Sailfish 2.0

BY EUGENE KIM MARCH 2, 2015 10:05AM EST  0 COMMENTS

*Jolla was at Mobile World Congress showing off its open source Jolla Tablet and new Sailfish 2.0 OS.*

## Can Jolla Deliver the First Open Source Tablet?

*Critically praised for its phone, Jolla is now developing a tablet.*

**Datamation.**

"...the Jolla Tablet...runs on Jolla's own independent and intuitive open source based mobile operating system **Sailfish OS**"

Welcome onboard the Jolla Tablet journey! For \$10 you'll... get to support **the greatest open source project ever...**!

"Jolla Tablet's Sailfish operating system will be unlike anything you've tried before. Once you try it, you'll never want to go back. Independent and **powered by open source**, change whatever you like, whenever you like."

"Together **with the open source community**, we're continuing to strengthen our privacy capabilities at every opportunity."

"Jolla's core value is freedom of choice for our community. That's why we've picked Intel's innovation platform, **backed by open source**, to power the Jolla Tablet."

"All of our customers can have their say on the direction of our products through Jolla and other **open source** communities that we work closely with."

# Sailfish EULA

## Sailfish End User License Agreement

Please review this agreement (the "Agreement") carefully before using the Software. Because you need to accept these terms before using the Software, we recommend you take your time reading through them to make sure you are comfortable with them. You agree to these terms by downloading or using the Sailfish OS, any included additional components, any software or content we make independently available pursuant to this Agreement, and all software documentation ("Software") or by clicking on the "Accept" button next to this Agreement when downloading, installing and/or using the Software.

If you cannot accept the terms of this Agreement after having purchased a product incorporating Software, please return the product containing the Software to the seller within the return period provided for in the seller's return policy for a full refund. If you purchased the product directly from us, the applicable return period is stated in our Jolla Return Policy, available at <http://www.jolla.com/care>.

Note that our Software is based on the great efforts and innovations of the open source community. The core components of our software ("Free Software") are all available as open source via various projects in which we actively participate. We encourage you to also join those projects and participate. Although our Software is subject to this Agreement, Free Software is available under its own terms, subject to which you are free to use it as you wish. For more information about these open source components, see <http://www.sailfishos.org>.

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**License restrictions: "Although we encourage you to develop our Software to make it better, we cannot allow such development, modifying or any harmful interaction with the version of our Software distributed integrated in a product."**

If you cannot accept the terms of this Agreement after having purchased a product incorporating Software, please return the product containing the Software to the seller within the return period provided in the seller's Return policy for a full refund. You purchased the product directly from us, the applicable return period is stated in our Jolla Return Policy, available at <http://www.jolla.com/share>.

Note that our Software is based on the great efforts and innovations of the open source community. The core components of our software ("Free Software") are all available as open source projects in which we actively participate. We encourage you to also join those projects and participate. Although our Software is subject to this Agreement, Free Software is available under its own terms, subject to which you are free to use it as you wish. For more information about these open source components, see <http://www.sailfishos.org>.

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**License restrictions: "You are expressly prohibited from...copying any elements of our Software, including code, graphics, sounds, our name, trademark, logo or other proprietary information, without our prior written consent."**

If you cannot accept the terms of this Agreement after having purchased a product incorporating Software, please return the product containing the Software to the seller within the period provided in the seller's return policy for a full refund. If you purchased the product directly from us, the applicable return period is stated in our Jolla Return Policy, available at <http://www.jolla.com/care>.

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**"Our goal with the Sailfish OS is to develop an open source operating system in co-operation with the community [...]. We are currently in the process of putting in place the processes and licensing structures that will enable you, the community, to take part in developing Sailfish."**

- SailfishOS.org



<https://together.jolla.com/questions/scope:all/sort:relevance-desc/page:1/query:%22open%20source%22/>

### ***Why is Sailfish advertised as truly open?***

*Is Jolla deliberately misleading their customers? Or are we lead to believe that like in the claims of homeopathy the concept of openness gets stronger the more it's diluted?*

### ***Clarification of open-source policy***

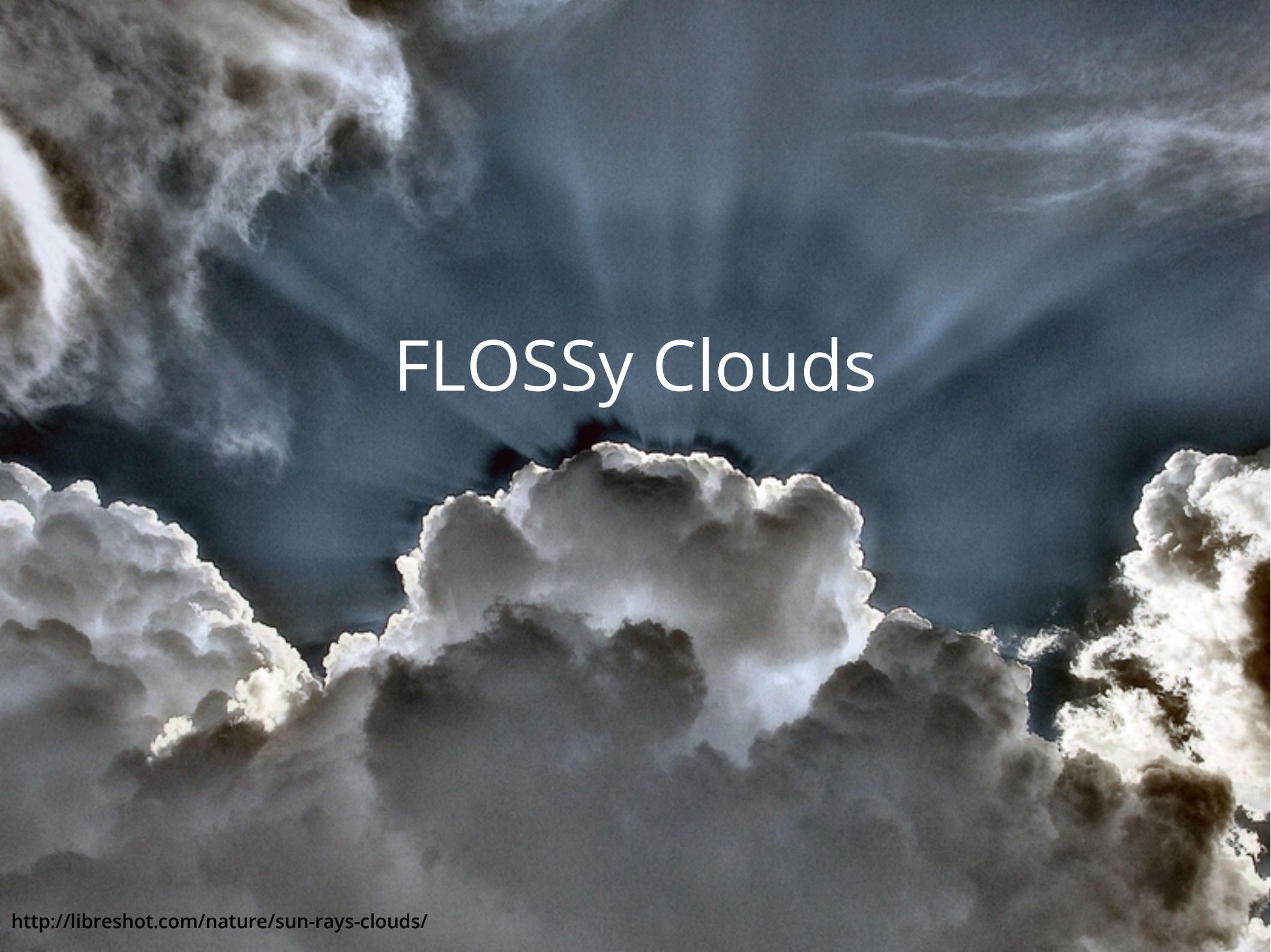
*there exists quite some confusion in regards to the status and scope to which SailfishOS is or will be open-source.*

### ***Why isn't sailfish open source?***

*Jolla seems to like the idea of community and freedom but closed source software is against both.*

### ***Fully open source sailfish os***

*I would really love to support you guys, but I kind of feel guilty with that in mind. Ubuntu, Android, and Firefox are all open source... If you open source all parts, only good can come from it.*



# FLOSSy Clouds



# Rosalyn Metz

<http://rosalynmetz.com/>

- **Cloud Computing Explained**

<http://www.educause.edu/ero/article/cloud-computing-explained>

- **Rosalyn Metz Explains Cloud Computing in Higher Ed**

<http://www.educause.edu/blogs/gbayne/interview-podcast-rosalyn-metz-explains-cloud-computing-higher-ed>

...a model for enabling convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction. This cloud model promotes availability and is composed of five essential characteristics, three service models, and four deployment models.

Infrastructure as a Service (IaaS), i.e. virtual machine renting

Platform as a Service (PaaS), i.e., good ol' hosting / application servers

Software as a Service (SaaS), or Service as a Software Substitute (SaaSS)  
i.e., remote software applications

# Stefano Zacchiroli

<https://upsilon.cc/~zack/talks/2015/20150322-libreplanet-cloud.pdf>

- FOSS is meant to empower users: The 4 Freedoms
- Source code alone is not enough
- Distributions make it simple for final users to find, install, and maintain FOSS on their computers
  - i.e., distributions turn FOSS from an elitist club, to a publicly available/usable commons - arguably, distributions have won...
- Unfortunately and ironically, users are not "more free" because now all their "interesting" computations (from spreadsheets to word processing, from email to gaming) now happen **"in the cloud", on computers that they don't control which run proprietary software or is not accessible**
- state of the art is: users (might) have completely FOSS "terminals" at their fingertips, which they use to run proprietary applications on someone else's computers



*OSI Board Director,  
Fmr Debian Project Leader*

*Hackers/developers seem to be more tolerant to the lack of control than in the past.*

# Open Source Licenses Principles / Practices

Communication

Transparency

Self-organization

Collaboration

Evidence-based

Meritocracy



**open** source  
initiative

# Thank you

- The Battle of Copyright, CC-BY [https://commons.wikimedia.org/wiki/File:THE\\_BATTLE\\_OF\\_COPYRIGHT.jpg](https://commons.wikimedia.org/wiki/File:THE_BATTLE_OF_COPYRIGHT.jpg)
- U.S. Copyright Office, Public Domain  
<https://commons.wikimedia.org/wiki/File:US-CopyrightOffice-Seal.svg>
- Mouse Patent, Public Domain  
<https://commons.wikimedia.org/wiki/File:Mouse-patents-nglebart-rid.png>
- Copyright-magnifier-magnifying-glass, Public Domain  
<https://pixabay.com/en/copyright-magnifier-magnifying-glass-389901/>
- Stupid Patent of the Month: Eclipse IP Casts A Shadow Over Innovation, CC-BY  
<https://www.eff.org/deeplinks/2015/04/stupid-patent-month-eclipse-ip-casts-shadow-over-innovation>
- Windows 9 Parody, All rights reserved  
[http://webneel.com/daily/15-windows-8-logo-parody?size=\\_original](http://webneel.com/daily/15-windows-8-logo-parody?size=_original)
- Hand gesture, Public Domain  
<https://pixabay.com/en/hand-gesture-stop-wait-hand-244360/>





# The Importance and Value of Open Source Licenses

1



Patrick Masson  
General Manager & Director  
Open Source Initiative



# What is the OSI Understanding IP Understanding Licenses Introduction to Open Source Licenses



Post Open Source  
Fauxpen Source Software  
Open-washing  
FLOSSy



*Promote and protect;  
raise awareness & adoption;  
build bridges between communities*



**open source**  
initiative



# *Promote & Protect Open Source*

Users & Developers	Projects & Communities	Business & Government
Independent developers working on FLOSS projects	Procurement and acquisition officers investigating and assessing feasibility of open source software	Companies with licensing questions and issues of stewardship
Developers working on open source software within Corporations	Department managers seeking best practices in development and community	Project / Product managers in need of best practices, resources, information & knowledge sharing
Developers who work creating FLOSS both as part of their employment and on their own time	Portfolio managers seeking contributions and intellectual property transfer	Legal staff and contract managers using and maintaining open source software
End-users seeking information on open source software & licenses	Business analysts seeking peers, use cases and case studies	HR and other administrative departments involved in transitioning to open source models
Members of the press		

I love  
open source  
& want to help

Wow. Been seeing a ton of tweets from  
@OpenSourceOrg the last few weeks  
Glad to see it's getting some energy back

I am a firm believer in what the OSI,  
and other open source communities,  
are doing to keep software transparent

I want to help the OSI because it is time to give back after all the support they have provided

## The OSI is redefining business

I have enjoyed the benefits  
of open source for many  
years and, now an open  
source contributor, would  
like to help support the  
open source infrastructure  
talented people to collaborate on finding solutions

I support  
open source  
software  
and the  
OSI

I support the free & **Open is the better way**  
open source movement

## Because I believe in open source

Open Source is an idea that has  
changed the world for the better  
The OSI helps keep that idea alive

I deeply believe in  
the OSI mission

OSI  
represents  
hope

Open source  
shapes our future

The OSI promotes and protects

## open source

Open source  
software also  
spurs innovation  
and collaboration  
allowing different  
people to  
experiment with  
their own ideas  
about how the  
software  
could work

## The open source movement needs this kind of support

The future depends on new  
ideas, alternatives and paradigms

Open Source Initiative  
provides a powerful  
**c o m m u n i t y**  
from across the globe

# Member-led non-profit



ROBERT MCMILLAN

06.27.13 6:30 AM

# IRS PUTS OPEN SOURCE PROJECTS UNDER MICROSCOPE, SPAWNS NONPROFIT BLACK HOLE

CITY & COUNTY OF SAN FRANCISCO  
Local Agency Formation Commission

About the Board Clerk of the Board Legislative Research Center (LRC) Meeting Information Legislation Introduced Legislation Passed Forms & Documents

Home &gt; Board's Divisions &gt; LAFCO

## Local Agency Formation Commission

LAFCo is responsible for reviewing and approving proposed jurisdictional boundary changes, including annexations and detachments of territory to and/or from cities and special districts, incorporations of new cities, formations of new special districts, and consolidations, mergers and dissolutions of existing districts. In addition, LAFCo must review and approve contractual service agreements, determine spheres of influence for each city and district, and may initiate proposals involving district consolidation, dissolution, establishment of subsidiary districts, mergers, and reorganizations (combinations of these jurisdictional changes).

The full text of the LAFCO law can be found in Government Code Section 56000, et seq.



OPEN

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Bill S161-2015

Provides a maximum \$200 tax credit for taxpayer expenses associated with the development of open source and free software license programs

Provides a maximum \$200 tax credit for taxpayer expenses associated with the development of open source and free software license programs.

[Print Page](#)[Original Bill Format \(PDF\)](#) [ShareThis](#)[Read or Leave Comments](#)

## RESET THE NET



Department of Electronics & Information Technology (DeitY)  
Ministry of Communications & IT, Government of India



eG सर्वोत्तम इ-गवर्नेंस प्लान  
National e-Governance Plan

**e-Governance in India** has steadily evolved from computerization of Government Departments to initiatives that encapsulate the finer points of Governance.

No. 13-298

IN THE  
**Supreme Court of the United States**

ALICE CORPORATION PTY. LTD.,

*Petitioner,*

v.

CLS BANK INTERNATIONAL, *et al.*,*Respondents.*

ON WRIT OF CERTIORARI TO THE UNITED STATES  
COURT OF APPEALS FOR THE FEDERAL CIRCUIT

**BRIEF OF AMICUS CURIAE  
ELECTRONIC FRONTIER FOUNDATION  
IN SUPPORT OF RESPONDENTS**

## Quebec government writes 3 open source licences

Submitted by [Giles Hillenius](#) on January 05, 2015

( 5/5 | 1 votes | 687 reads | )

The government of the Canadian province of Quebec is finalising three open source licences to make it easier for provincial public administrations to share software solutions. The licences should be available in the coming weeks.

# Choosing an OSS license doesn't need to be scary

Which of the following best describes your situation?



I want it simple and permissive.



I'm concerned about patents.



I care about sharing improvements.

The Software Package Data Exchange® (SPDX®) specification is a standard format for communicating the components, licenses and copyrights associated with a software package.



Have a tool that supports SPDX?

We are looking for community and/or commercial tools that support SPDX. If you would like to have a link to your tool click here to see how to submit it.

A New Code License: The MIT, this time with Attribution Required

Update: January 15, 2016

Thank you for your candidness, patience and feedback. We're going to implementation for now - we'll be back soon to open some more discus



Important context for those arriving from reddit and slashdot links:

**The status quo is not "public domain"; attribution is already required**

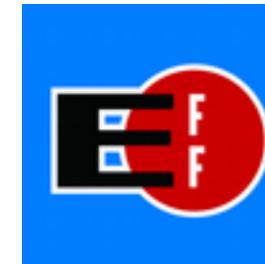
See:

- Do I have to worry about copyright issues for code posted on Stack Overflow?
- Can we get some explicit clarification on the "intended" legal usage of code from SO answers?

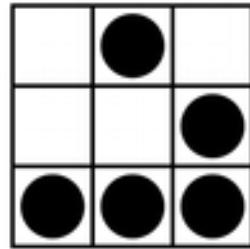
**TLDL:** This is a follow-up to our initial proposal for transitioning to a more user-friendly code license. The purpose of this post is to address the concern expressed most frequently in response to the initial proposal: no attribution requirement. Also, we want to make sure everyone has ample opportunity to provide feedback and we have time to consider it. We are more concerned with doing this right than doing it fast, so please let us know what you think about this proposed change.



**FREE SOFTWARE FOUNDATION**



**UNIX.**<sup>®</sup>



**FSF**



 **debian**

The Debian Free Software Guidelines

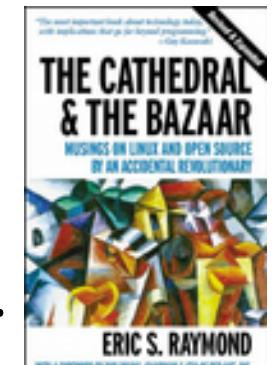


**open source**  
initiative

The Open Source  
Definition



The “open source” label was created at a strategy session held on February 3rd, 1998 in Palo Alto, California, shortly after the release of the Netscape web browser source code.



what is



open source

*Open source software is  
software that can be  
freely used, changed, and shared  
(in modified or unmodified form) by anyone.*

Open source software is made by many people,  
and **distributed under licenses** that comply with  
the **Open Source Definition**.

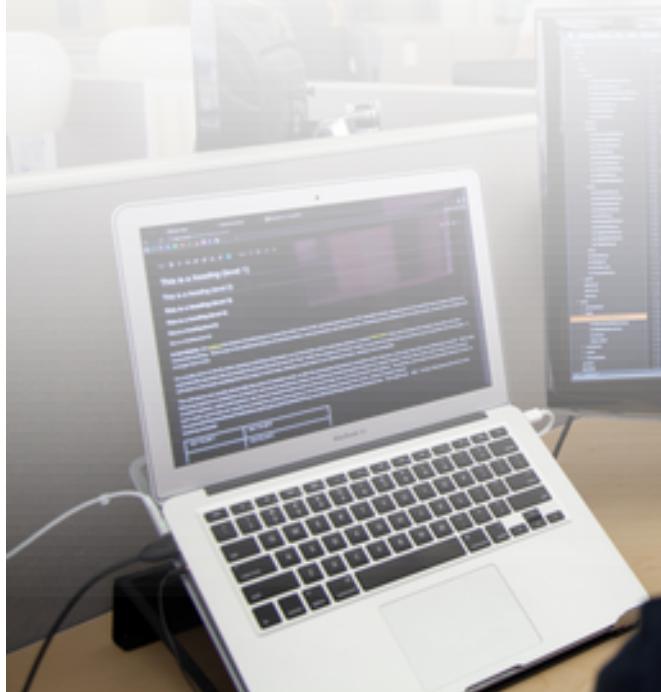


# “open source” is...

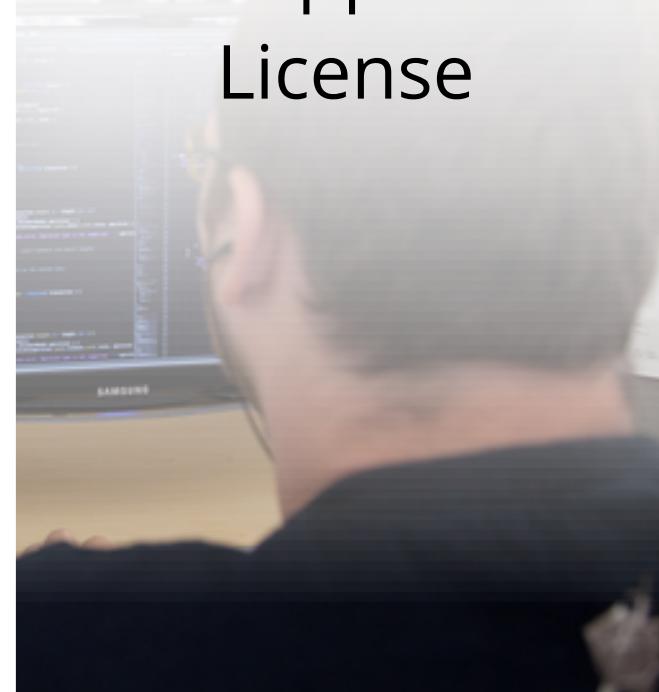
*Any software distributed with an  
OSI Approved License*



**OSI certified**



**OSI Approved  
License**



<http://opensource.org/licenses>

Bruce Perens  
Debian Free Software Guidelines



# Open Source Definition

<http://opensource.org/osd>



# The Open Source Definition

<http://opensource.org/osd>

1. Free Redistribution
2. Source Code
3. Derived Works
4. Integrity of The Author's  
Source Code
5. No Discrimination Against  
Persons or Groups
6. No Discrimination Against  
Fields of Endeavor
7. Distribution of License
8. License Must Not Be  
Specific to a Product
9. License Must Not Restrict  
Other Software
10. License Must Be  
Technology-Neutral

# 70+ OSI Approved Licenses



OSI certified

Apache License

BSD 3-Clause

BSD 2-Clause

GNU General Public License

GNU Library or "Lesser" General Public License

MIT license

Mozilla Public License

Common Development and Distribution License

Eclipse Public License

open source licensing  
provides “permission first” to...

*use the software*

*study/audit the software*

*modify the software*

*redistribute the software*

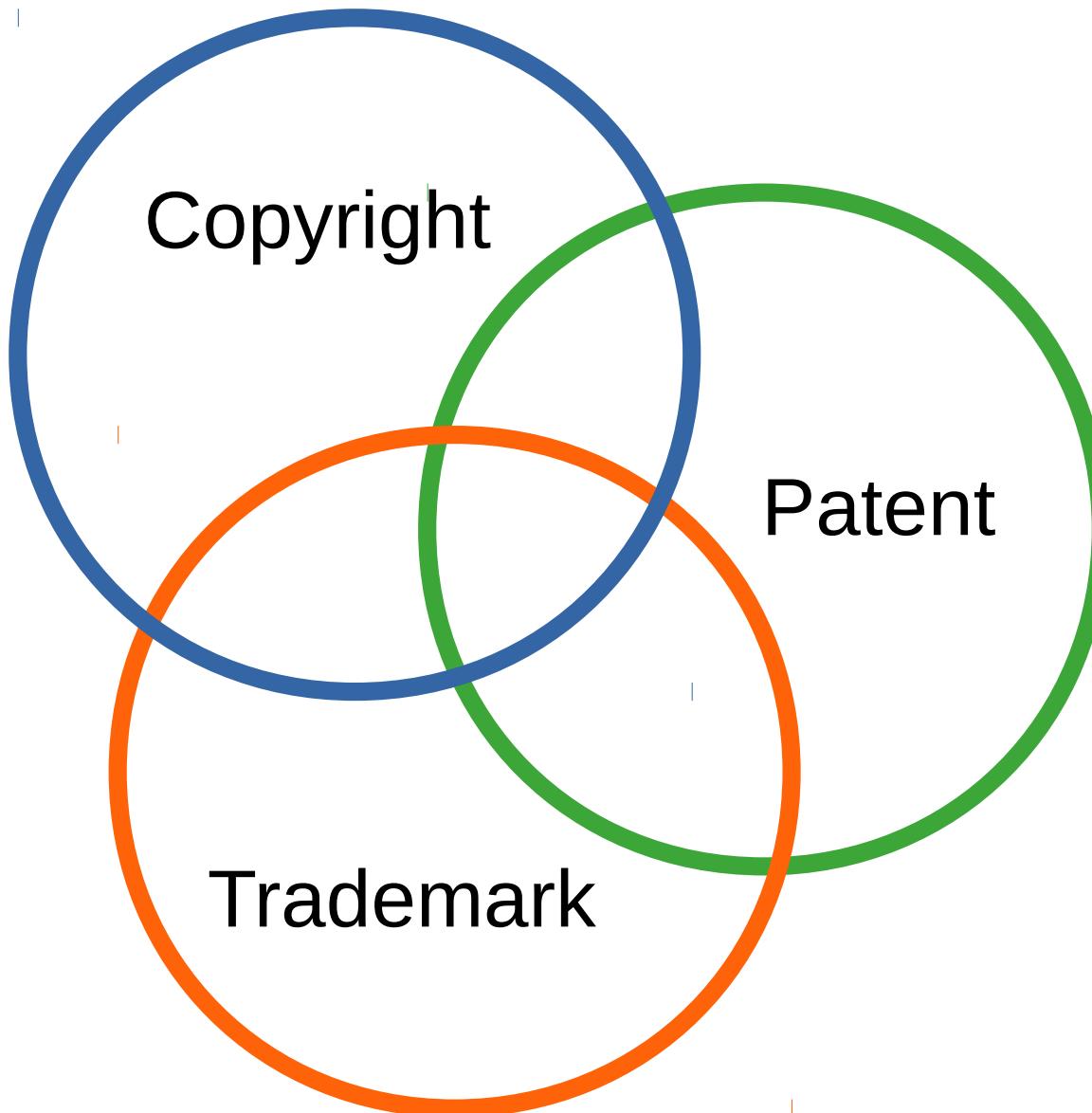
# “open source” is...

*Any software distributed with an  
OSI Approved License*

# What is software?

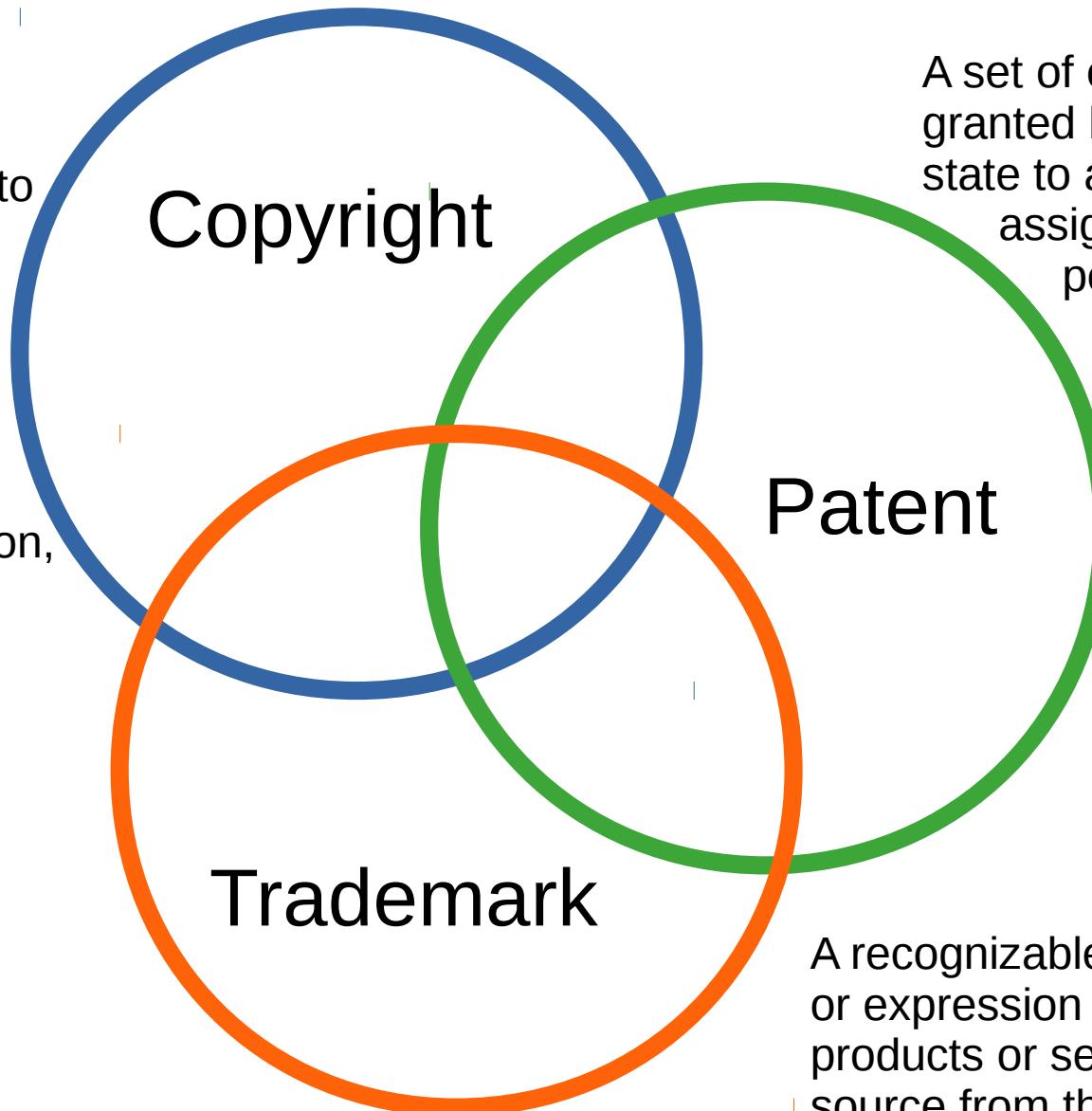
- Software described in terms of ownership,  
i.e. Intellectual Property
  - Code
  - Content
  - Copyright
  - Patents
  - Trademarks

# IP Fundamentals



# IP Fundamentals

Form of intellectual property, applicable to any expressed representation of a creative work, that grants the creator of an original work exclusive rights to its use and distribution, usually for a limited time.



A set of exclusive rights granted by a sovereign state to an inventor or assignee for a limited period of time in exchange for detailed public disclosure of an invention.

Patent

Trademark

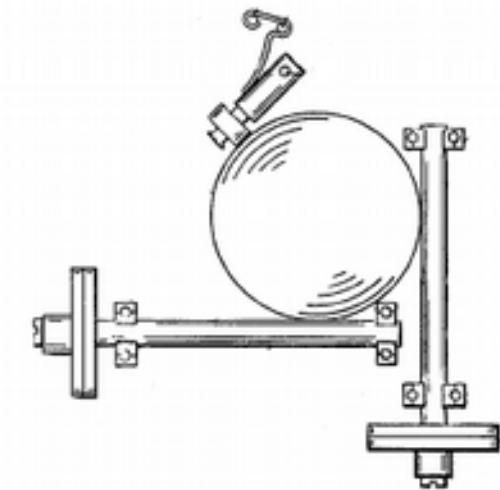
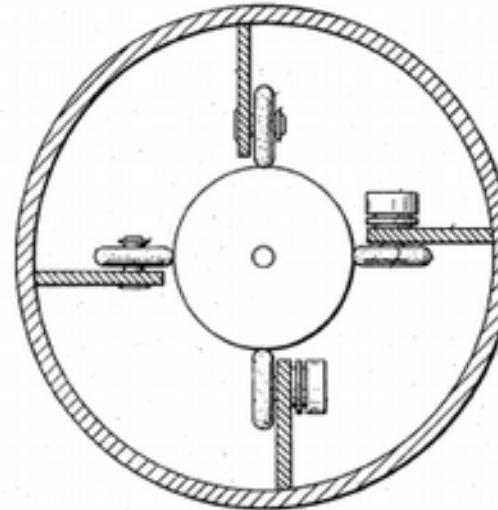
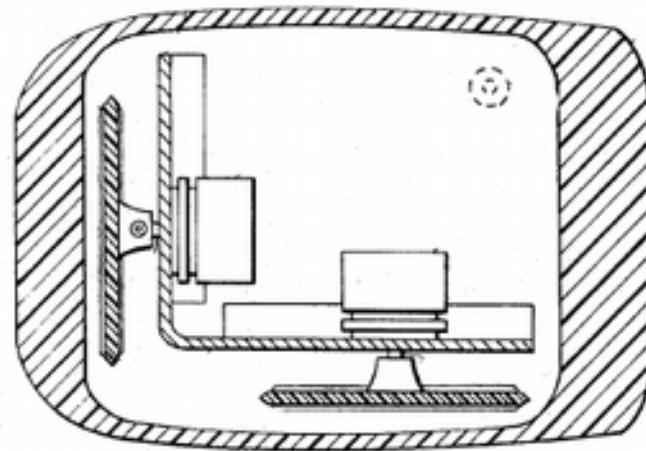
A recognizable sign, design, or expression which identifies products or services of a particular source from those of others

C

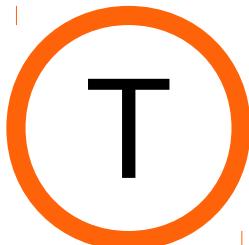
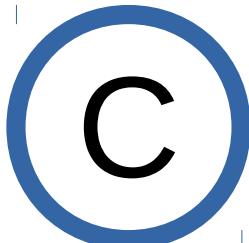
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C T P



# HAPPY BIRTHDAY TO YOU

SATB, accompanied

Words and Music by  
MILDRED J. HILL and PATTY S. HILL  
Arranged by RUSSELL ROBINSON

Easy swing  $\text{♩} = 128$  ( $\text{♩} = \text{♩} + \text{♩}$ ) *mf*

**Soprano (S)**:  
Hap - py birth - day to you. — Hap - py

**Tenor (T)**:  
*mf*

**Bass (B)**:  
Hap - py birth - day to you. — Hap - py birth - day, dear

**Piano**:  
*f*      *mf*      *f*

**Final Notes:**  
“Brit - ta - ny.” Hap - py birth - day to you! — *cresc.*  
*cresc.*

1. Take a telephone call from patient
2. Record patient info in a patient file
3. Send patient information to a doctor, ask the doctor if she wants to talk to the patient
4. Call the patient back and transfer the call to the doctor
5. Record the call
6. Add the recorded call to the patient file and send to doctor
7. Do steps a. – f. with a computer.



C

The New York Times

Business Day  
Technology

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T

## New Economy: Open-Source Movement Advances

By LAURIE J. FLYNN

Published: June 4, 2001

AS the philosophical leader of the free-software movement for nearly 20 years, Richard M. Stallman has often found himself at the center of debate — sometimes even the object of it. Last week, he fired the latest round in a war of words that had erupted a few weeks earlier between Microsoft on the one hand, and the backers of open-source and free software on the other.

P

Open source refers to a method of software development in which a program's basic instructions — its source code — are freely available to anyone who wants to tinker with and, ideally, improve them. The result, according to open-source advocates, is better software that is developed faster. Emblemmatic of the movement is GNU-Linux, the open-source operating system that has emerged as a competitor to Windows.

The free-software movement, espoused by the Free Software Foundation, which Mr. Stallman has led since 1984, is far more ideological than the open-source philosophy. Free-software proponents argue that users should be free to run, copy, distribute, study, change and improve the software they use. Mr. Stallman's detractors have accused him of being everything from a communist to a thief.

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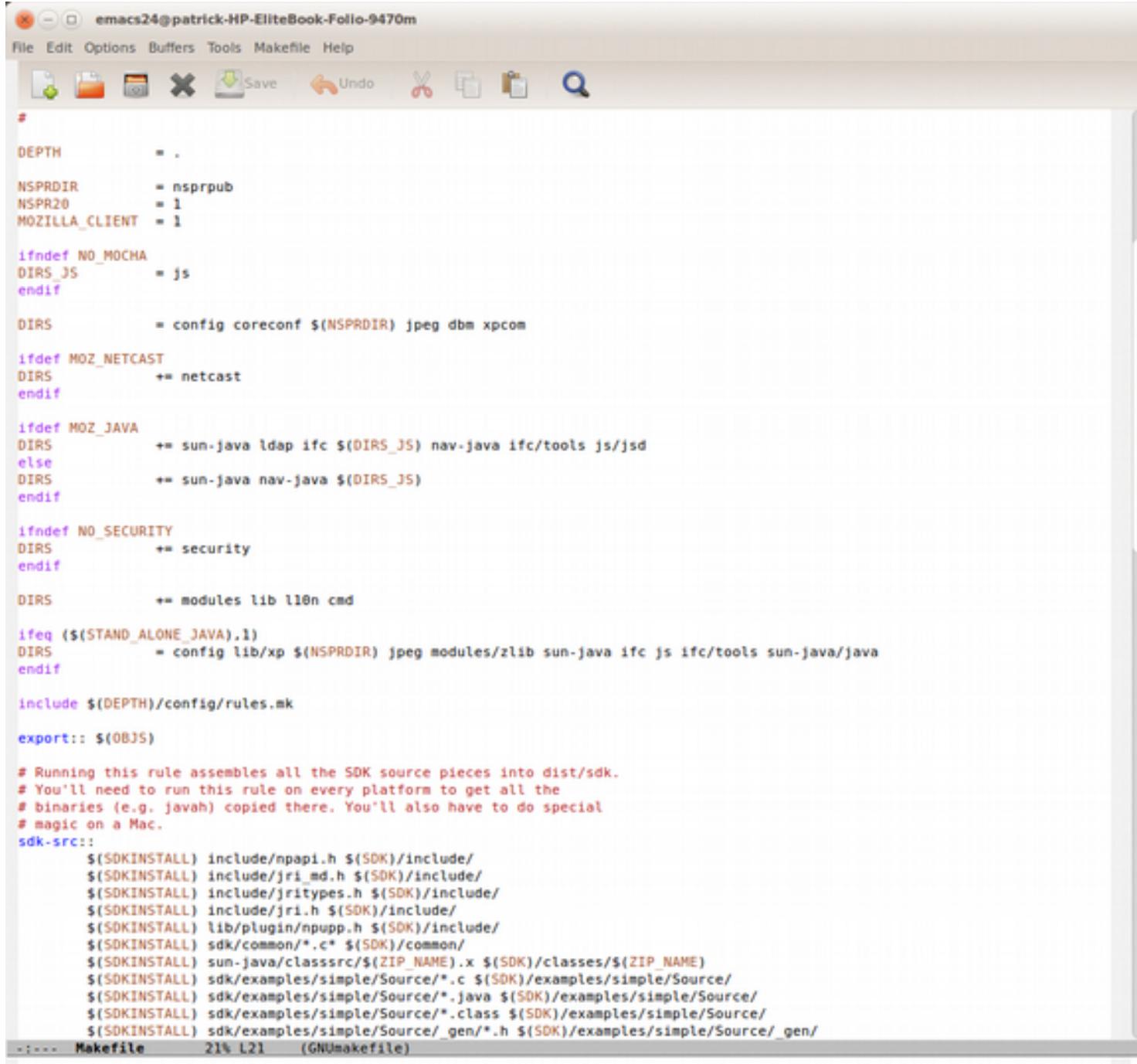
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 REPRINTS

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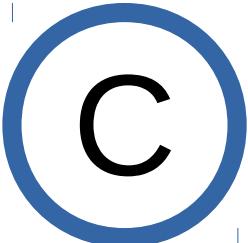
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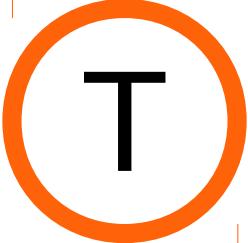


The screenshot shows an Emacs window with a blue title bar containing the text "emacs24@patrick-HP-EliteBook-Folio-9470m". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Makefile", and "Help". Below the menu is a toolbar with icons for Save, Undo, and Search. The main buffer contains a Makefile for the Mozilla NSPR library. The file defines variables like DEPTH, NSPRDIR, NSPR20, MOZILLA\_CLIENT, and various conditional blocks for MOCHA, NETCAST, JAVA, SECURITY, and STAND\_ALONE\_JAVA. It also includes rules for building modules, libraries, and executables, and a rule for assembling the SDK source pieces. The bottom status bar shows "Makefile 21% L21 (GNUmakefile)".

```
#  
  
DEPTH      = .  
  
NSPRDIR    = nsprpub  
NSPR20     = 1  
MOZILLA_CLIENT = 1  
  
ifndef NO_MOCHA  
DIRS_JS    = js  
endif  
  
DIRS       = config coreconf $(NSPRDIR) jpeg dbm xpcom  
  
ifdef MOZ_NETCAST  
DIRS      += netcast  
endif  
  
ifdef MOZ_JAVA  
DIRS      += sun-java ldap ifc $(DIRS_JS) nav-java ifc/tools js/jsd  
else  
DIRS      += sun-java nav-java $(DIRS_JS)  
endif  
  
ifndef NO_SECURITY  
DIRS      += security  
endif  
  
DIRS      += modules lib l10n cmd  
  
ifeq ($(STAND_ALONE_JAVA),1)  
DIRS      = config lib/xp $(NSPRDIR) jpeg modules/zlib sun-java ifc js ifc/tools sun-java/java  
endif  
  
include $(DEPTH)/config/rules.mk  
  
export:: $(OBJJS)  
  
# Running this rule assembles all the SDK source pieces into dist/sdk.  
# You'll need to run this rule on every platform to get all the  
# binaries (e.g. javah) copied there. You'll also have to do special  
# magic on a Mac.  
sdk-src:::  
    $(SDKINSTALL) include/npapi.h $(SDK)/include/  
    $(SDKINSTALL) include/jri_md.h $(SDK)/include/  
    $(SDKINSTALL) include/jritypes.h $(SDK)/include/  
    $(SDKINSTALL) include/jri.h $(SDK)/include/  
    $(SDKINSTALL) lib/plugin/npupp.h $(SDK)/include/  
    $(SDKINSTALL) sdk/common/*.c* $(SDK)/common/  
    $(SDKINSTALL) sun-java/classsrc/$(ZIP_NAME).x $(SDK)/classes/$(ZIP_NAME)  
    $(SDKINSTALL) sdk/examples/simple/Source/*.c $(SDK)/examples/simple/Source/  
    $(SDKINSTALL) sdk/examples/simple/Source/*.java $(SDK)/examples/simple/Source/  
    $(SDKINSTALL) sdk/examples/simple/Source/*.class $(SDK)/examples/simple/Source/  
    $(SDKINSTALL) sdk/examples/simple/Source/_gen/*.h $(SDK)/examples/simple/Source/_gen/  
.:-. Makefile 21% L21 (GNUmakefile)
```



C

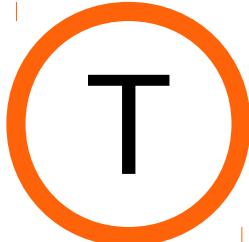
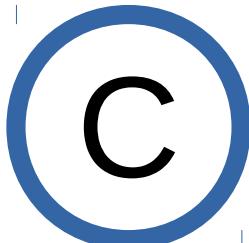


T



P

```
<html>
<head>
  <title>Page Title</title>
  <style><!--body, h1, h2 { color: #000001; font-size: 1px; }--> </style>
  <link rel="stylesheet" type="text/css" href="invisible.css">
</head>
<body bgcolor="#000000 text="#FFFFFF>
  <h4>
    <center>
      <table bgcolor="#EEEEEE>
        <tr>
          <td>
            Free membership--click to join!
          </td>
          <td>
            <font color="#EFEFEF>
              dirty nasty schoolgirl discipline swingers cartoons
            </font>
          </td>
          <td>
            <div class=invis>
              free buy cheap online porn videos
            </div>
          </td>
        </tr>
      </table>
    </center>
  </h4>
  <h2>
    porno erotik sexe sexo sex teen Britney Spears incest stories
    porno erotik sexe sexo sex teen Britney Spears incest stories
    ...
  </h2>
</body>
</html>
```



# Systems and methods for detecting hidden text and hidden links

Invented by Fritz Schneider and Matt Cutts

Assigned to Google

US Patent 8,392,823

Granted March 5, 2013

Filed: August 25, 2009

<https://www.google.com/patents/US8392823>



# What is a license?

## Use of Microsoft Copyrighted Content

Microsoft products and services—including images, text, and software downloads (the “content”)—are owned either by Microsoft Corporation or by third parties who have granted Microsoft permission to use the content. Microsoft cannot grant you permission for content that is owned by third parties. You may only copy, modify, distribute, display, license, or sell the content if you are granted explicit permission within the End-User License Agreement (EULA) or License Terms that accompany the content or are provided in the following guidelines. For more information, consult your copyright attorney.

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For permission to be granted for any uses allowed by these guidelines, you must comply with the following four requirements:

#### Use full product name

If your use includes references to a Microsoft product, you must use the full name of the product. When referencing any Microsoft trademarks, follow the General Microsoft Trademark Guidelines.

#### No offensive use

Your use may not be obscene or pornographic, and you may not be disparaging, defamatory, or libelous to Microsoft, any of its products, or any other person or entity.

#### Link Methods

You may link to Microsoft content by using either a plain text link with words such as “This way to Microsoft.com” or by participating in an applicable Link Logo program. No other images may be used as a link to a Microsoft site.

#### Permitted by Microsoft

You must include the following statement: “Used with permission from Microsoft.”



Advertising and Advertisements



Box Shots



Clip Art and Sample Media



Donations of Product

#### Copyright FAQ



#### Microsoft's Licensing Terms



#### Trademarks Home



# What is a license?

License

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License

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License

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# What is a license?

Copyright License

Patent License

Trademark License

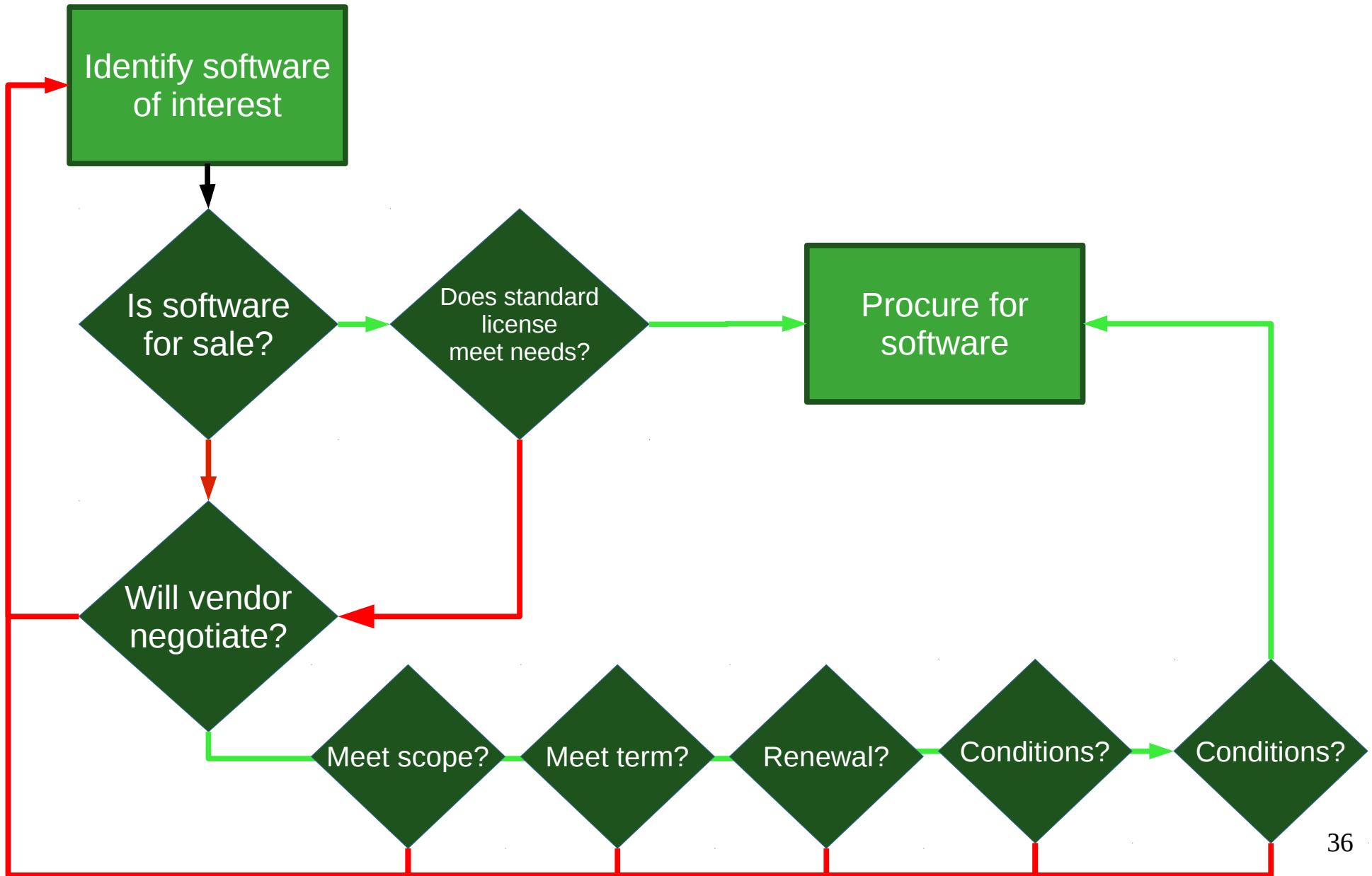
# What is a license?

- ***permissions*** from an authority to own or use something, do a particular thing, or carry on a trade.
- grant ***permission*** to (someone or something) to use something or to allow an activity to take place.

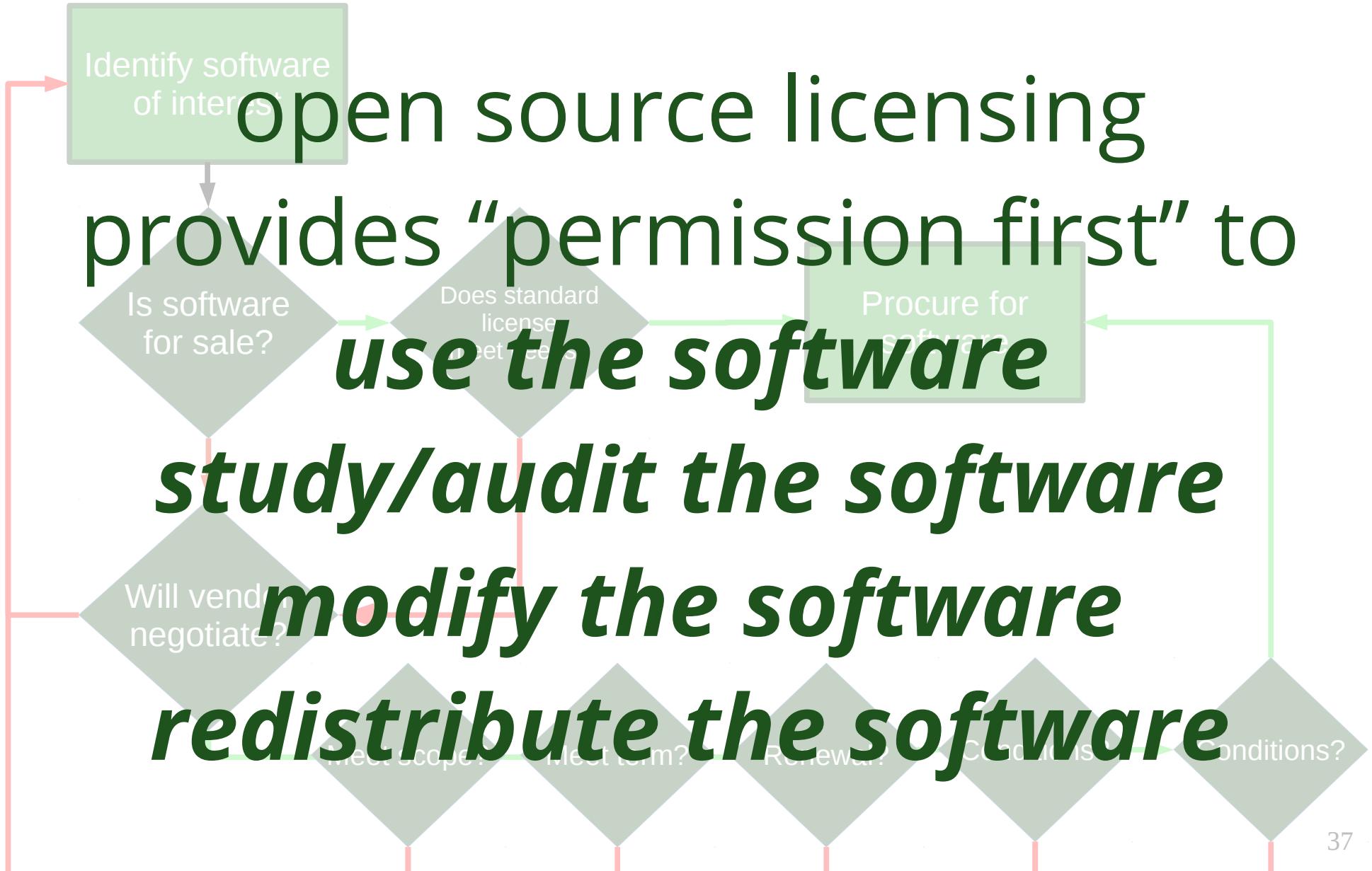
# What is a license?

- Scope: What is being licensed, who can use the IP, for what?
- Duration: How long will the license be?
- Renewal: Are there conditions for renewing?
- Conditions of use: Are there standards to be met?
- Indemnification: How are parties protected against liabilities?
- Audit: How is the license terms enforced?
- IP Protection: How will parties preserve exclusivity?
- Warranties: What protections are in place?
- Payment: How much will this cost?
- Infringement: What are the penalties for violations?

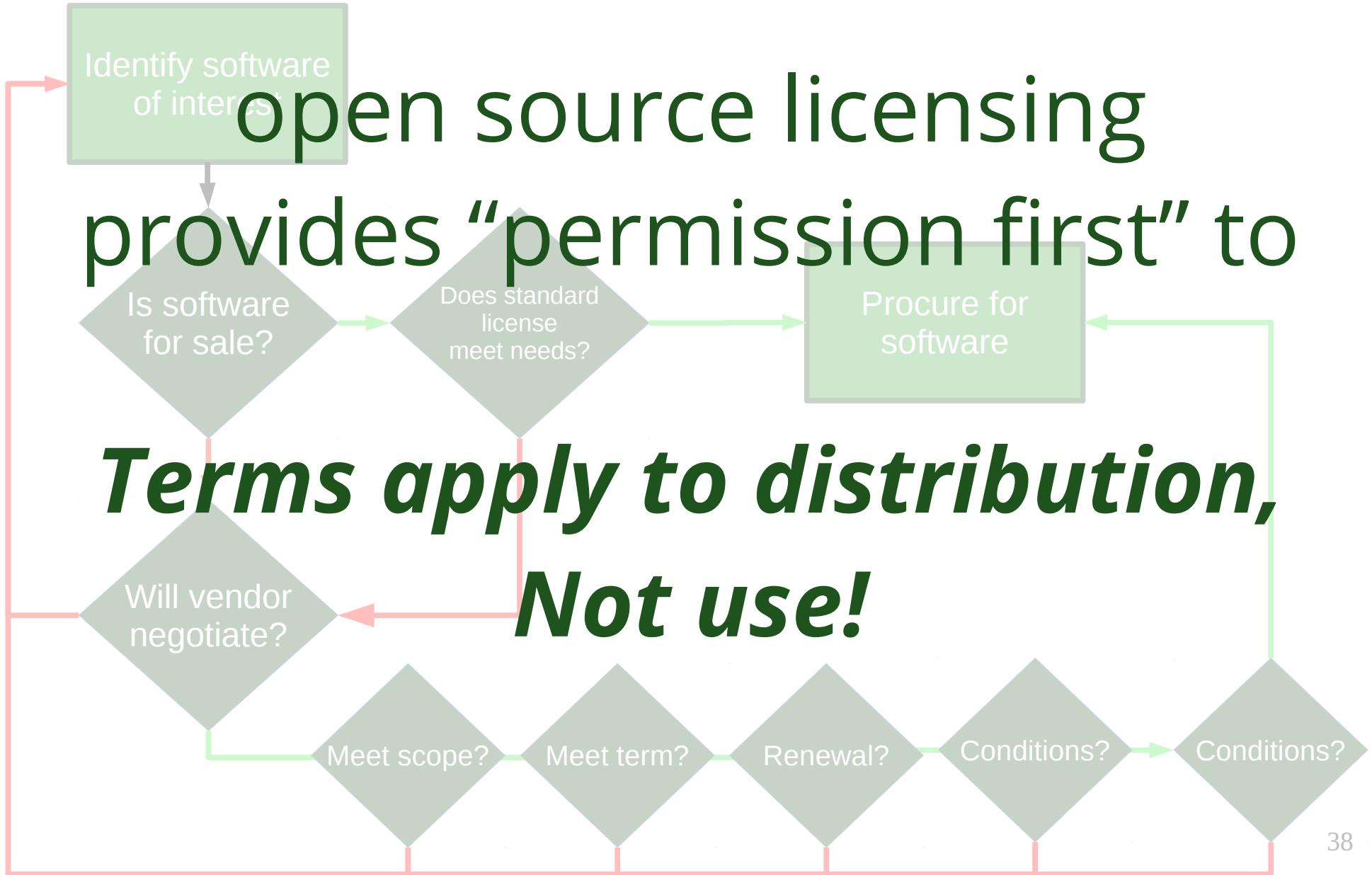
# Traditional Licensing Process



# Licensing Process



# Licensing Process



# Terms a license, Considering OSD

- Scope: What is being licensed, who can use the IP, for what?
- Duration: How long will the license be?
- Renewal: Are there conditions for renewing?
- Conditions of use: Are there standards to be met?
- Indemnification: How are parties protected against liabilities?
- Audit: How is the license terms enforced?
- IP Protection: How will parties preserve exclusivity?
- Warranties: What protections are in place?
- Payment: How much will this cost?
- Infringement: What are the penalties for violations?

# The Open Source Definition

1. Free Redistribution
2. Source Code
3. Derived Works
4. Integrity of The Author's Source Code
5. No Discrimination Against Persons or Groups
6. No Discrimination Against Fields of Endeavor
7. Distribution of License
8. License Must Not Be Specific to a Product
9. License Must Not Restrict Other Software
10. License Must Be Technology-Neutral



MIT!

Permissive

Free Software

Copyleft

GPL

Open Source

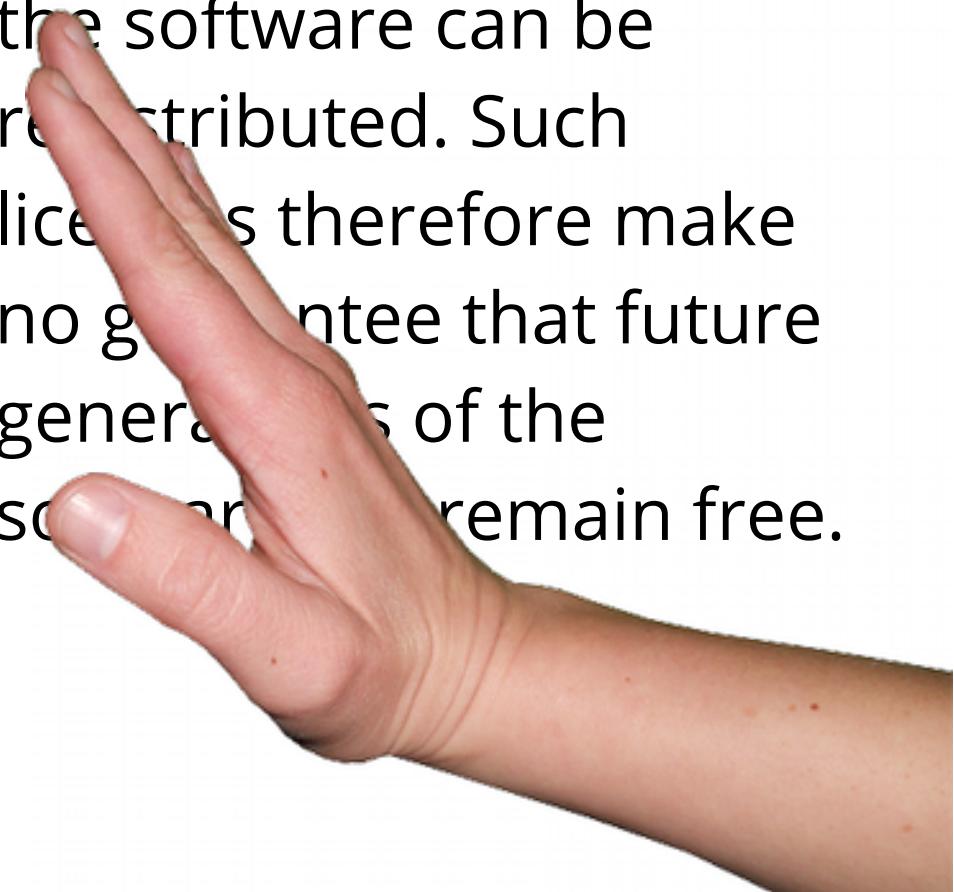
# Copyleft & Permissive Licenses

- Copyleft is a general method for making a program ***free***, and requiring all modified and extended versions of the program to be ***free*** as well.
- A permissive license prescribes minimal requirements about how the software can be redistributed. Such licenses therefore make no guarantee that future generations of the software will remain ***free***.

# Copyleft & Permissive Licenses?

- Copyleft is a general method for making a program free, and requiring all modified and extended versions of the program to be free as well.

- A permissive license prescribes minimal requirements about how the software can be redistributed. Such licenses therefore make no guarantee that future generations of the software will remain free.



*“Unquestionably one of the great seminal figures of the hacker culture.”*

—Eric Raymond, open source evangelist and author of *The Cathedral and the Bazaar*

# FREE AS IN FREEDOM

## RICHARD STALLMAN’S CRUSADE FOR FREE SOFTWARE



SAM WILLIAMS

The freedom to run the program as you wish, for any purpose (freedom 0).

The freedom to study how the program works, and change it so it does your computing as you wish (freedom 1). Access to the source code is a precondition for this.

The freedom to redistribute copies so you can help your neighbor (freedom 2).

The freedom to distribute copies of your modified versions to others (freedom 3). By doing this you can give the whole community a chance to benefit from your changes. Access to the source code is a precondition for this.

# Copyleft & Permissive Licenses

***All provide software freedom***

## Copyleft

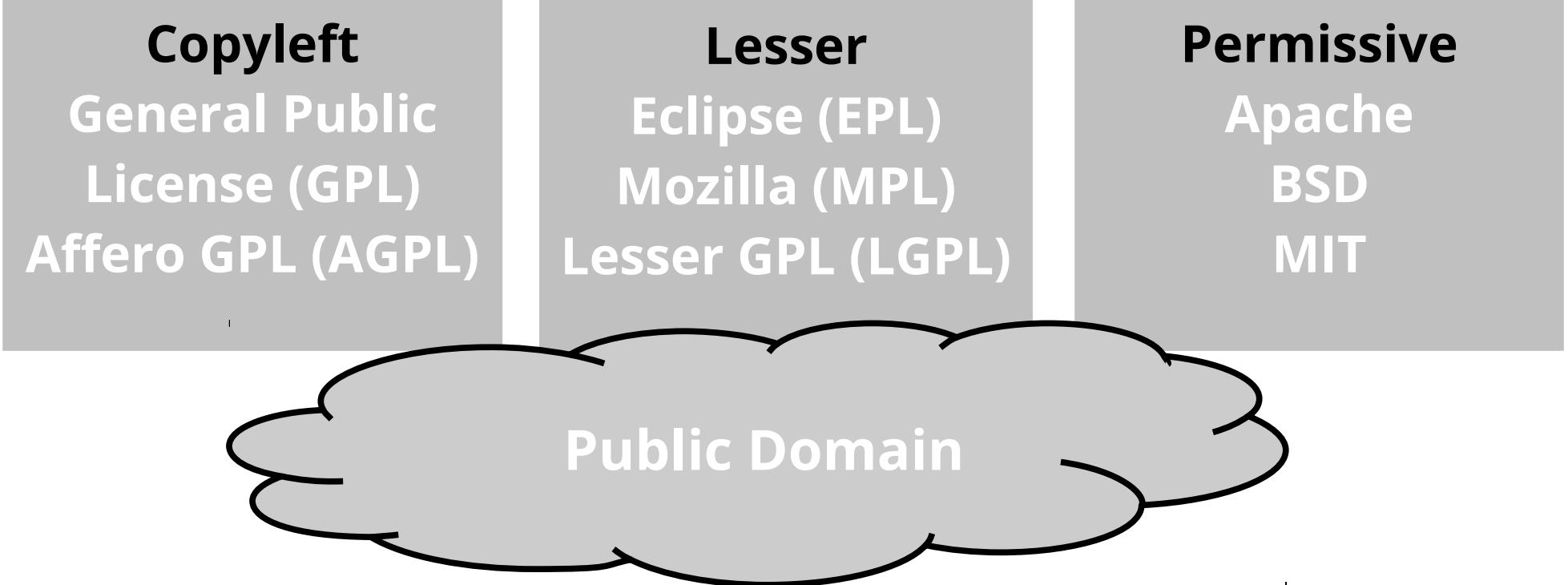
General Public  
License (GPL)  
Affero GPL (AGPL)

## Lesser

Eclipse (EPL)  
Mozilla (MPL)  
Lesser GPL (LGPL)

## Permissive

Apache  
BSD  
MIT



Public Domain

# Derivative Works

A “derivative work” is a work based upon one or more preexisting works, such as a translation, musical arrangement, dramatization, fictionalization, motion picture version, sound recording, art reproduction, abridgment, condensation, or any other form in which a work may be recast, transformed, or adapted.

A work consisting of editorial revisions, annotations, elaborations, or other modifications which, as a whole, represent an original work of authorship, is a "derivative work".

# Derivative Works

If you create a derivative work from code distributed under a “**Copyleft**” license, you must honor the reciprocity provision and publish the source code of your derivative works that you distribute.

If you create a derivative work from code distributed under a “**Permissive**” license little more than attributing the original portions of the licensed code to the original developers in your own code and/or documentation is required.

# tl;dr Legal

MIT License (Expat) Expat

<https://tldrlegal.com/license/mit-license>

tl;drLegal | Lookup Code Licenses, EULAs, ToS & Software Licenses | [Browse](#) | [Submit](#) | [Pages](#) | [Sign Up](#) | [Log In](#)

MIT License (Expat) ✓

Code License managed by [kevin](#), submitted 20 months ago. #Open Source #OSI-Approved #Permissive

[Summary](#) | [Fulltext](#) | [Changesets](#) | 107319

---

## Quick Summary

A short, permissive software license. Basically, you can do whatever you want as long as you include the original copyright and license notice in any copy of the software/source. There are many variations of this license in use.

---

Can	Cannot	Must
▶ Commercial Use	▶ Hold Liable	▶ Include Copyright
▶ Modify		▶ Include License
▶ Distribute		
▶ Sublicense		
▶ Private Use		

Feedback

Disclaimer: This is only a short summary of the Full Text. No information on TLDRLegal is legal advice.

# tl;dr Legal

GNU General Public License v3 (GPL-3)

Code License managed by kevin, submitted 20 months ago. #Copyleft #GNU #OSI-Approved #Open Source

Summary Fulltext Changesets 84577

## Quick Summary

You may copy, distribute and modify the software as long as you track changes/dates in source files. Any modifications to or software including (via compiler) GPL-licensed code must also be made available under the GPL along with build & install instructions.

Can	Cannot	Must
▶ Commercial Use	▶ Sublicense	▶ Include Original
▶ Modify	▶ Hold Liable	▶ State Changes
▶ Distribute		▶ Disclose Source
▶ Place Warranty		▶ Include License
▶ Use Patent Claims		▶ Include Copyright
		▶ Include Install Instructions

## Quick Summary

[Edit](#)

A short, permissive software license. Basically, you can do whatever you want as long as you include the original copyright and license notice in any copy of the software/source. There are many variations of this license in use.

Can	Cannot	Must
▶ Commercial Use	⚠ Hold Liable	⚠
▶ Modify		⚠
▶ Distribute		⚠
▶ Sublicense		⚠
▶ Private Use		⚠

## Quick Summary

[Edit](#)

You may copy, distribute and modify the software as long as you track changes/dates in source files. Any modifications to or software including (via compiler) GPL-licensed code must also be made available under the GPL along with build & install instructions.

Can	Cannot	Must
▶ Commercial Use	⚠ Sublicense	⚠
▶ Modify	⚠ Hold Liable	⚠
▶ Distribute		⚠
▶ Place Warranty		⚠
▶ Use Patent Claims		⚠

# Terms of the copyleft, e.g. GPL?

- Scope: What is being licensed, who can use the IP, for what?
- Duration: How long will the license be?
- Renewal: Are there conditions for renewing?
- **Conditions of use: Are there standards to be met?**
- Indemnification: How are parties protected against liabilities?
- Audit: How is the license terms enforced?
- IP Protection: How will parties preserve exclusivity?
- Warranties: What protections are in place?
- Payment: How much will this cost?
- Infringement: What are the penalties for violations?

# Permissive terms, e.g. MIT?

- Scope: What is being licensed, who can use the IP, for what?
- Duration: How long will the license be?
- Renewal: Are there conditions for renewing?
- **Conditions of use: Are there standards to be met?**
- Indemnification: How are parties protected against liabilities?
- Audit: How is the license terms enforced?
- IP Protection: How will parties preserve exclusivity?
- Warranties: What protections are in place?
- Payment: How much will this cost?
- Infringement: What are the penalties for violations?

# Public Domain Terms?

- Scope: What is being licensed, who can use the IP, for what?
- Duration: How long will the license be?
- Renewal: Are there conditions for renewing?
- **Conditions of use: Are there standards to be met?**
- Indemnification: How are parties protected against liabilities?
- Audit: How is the license terms enforced?
- IP Protection: How will parties preserve exclusivity?
- Warranties: What protections are in place?
- Payment: How much will this cost?
- Infringement: What are the penalties for violations?

Is Public Domain  
Free and/or Open Source Software?

# Which is Better?

“constitutions of communities” - Eben Moglen

“express the consensus of how a community chooses to collaborate” - Simon Phipps

It is natural that different communities will have different licenses, that communities with different norms will find fault with the licenses used by others, and that all will regard their way as optimum.

# Licensing Strategies

Foster continued development:  
I, and you, benefited from open source software,  
we will benefit if they contribute too.

Foster distribution of code:  
If everyone relies on my work,  
We all will be committed to continue development.  
“broader adoption == more powerful and reliable”

# Licensing Philosophies

“The two terms [*Free* and *Open Source Software*] describe almost the same category of software, but they stand for views based on fundamentally different values.” - RMS

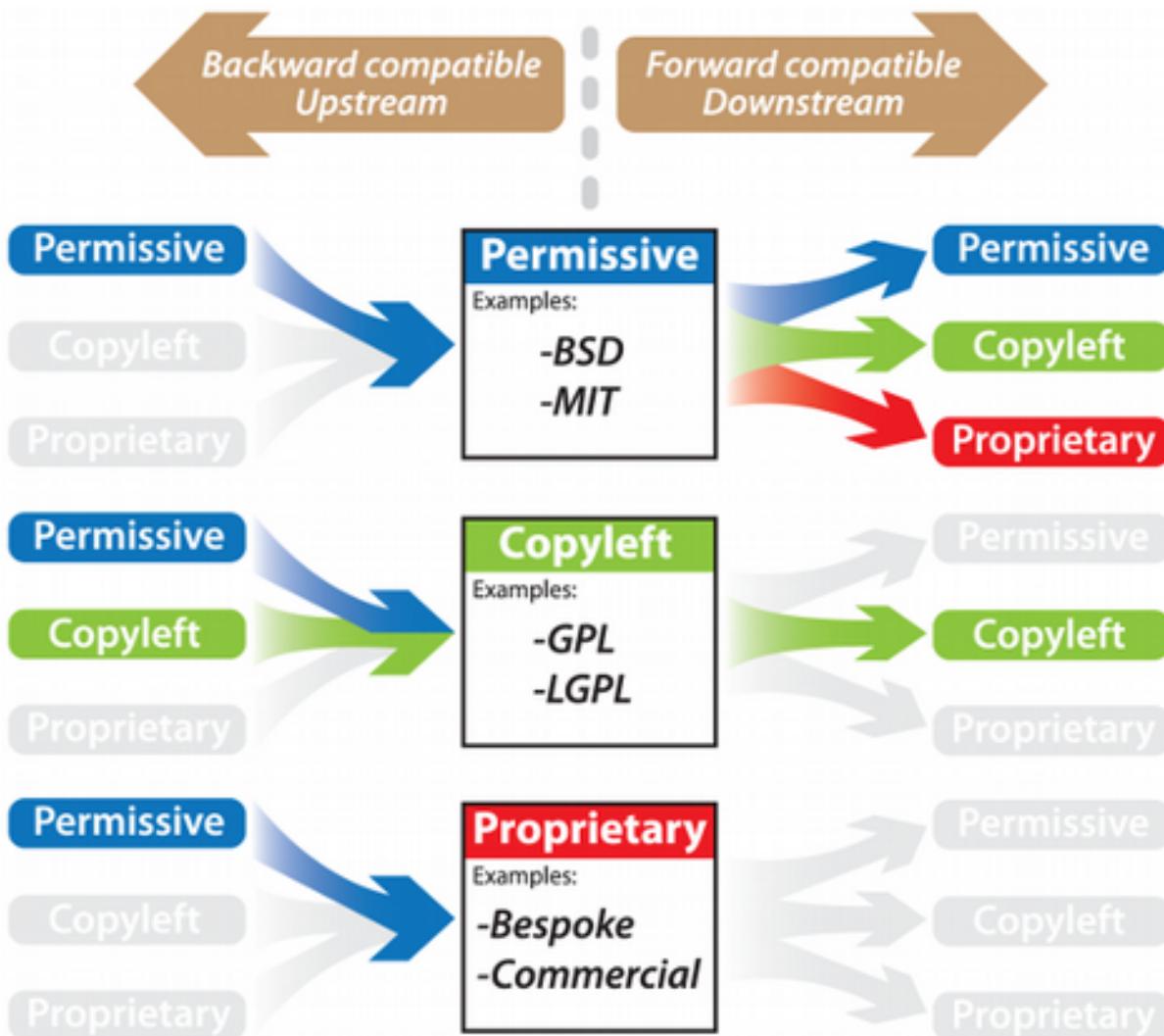
**Free Software / Copyleft Licenses:** “a social movement,” an ethical imperative, essential respect for the users' freedom.

**Open Source / Permissive Licenses:** practical, pragmatic approach to developing better software and communities.

<http://www.gnu.org/philosophy/open-source-misses-the-point.en.html>

# License Compatibility

- License compatibility is an issue that arises when licenses applied to copyrighted works, particularly licenses of software packages, can contain contradictory requirements, rendering it impossible to combine source code or content from such works in order to create new ones



# “Post Open Source”

## disdain or disregard for both licensing and governance

The screenshot shows a magazine spread from WIRED magazine. The top half features a large, bold title: "THE GITHUB REVOLUTION: WHY WE'RE ALL IN OPEN SOURCE NOW". Below the title is a network diagram consisting of several black GitHub octocat icons connected by blue arrows, symbolizing a distributed network or community. The bottom half of the spread contains a detailed illustration of the GitHub logo, showing a large central octocat surrounded by smaller ones, all connected by a web of blue lines.

WIRED

The GitHub Revolution: Why We're All in Open Source Now

BUSINESS DESIGN ENTERTAINMENT GEAR SCIENCE SECURITY

THE GITHUB REVOLUTION:  
WHY WE'RE ALL IN OPEN  
SOURCE NOW



**digitalfreddy** @digitalfreddy · 11h

@spark\_io I just discover that your licence is not at [@OpenSourceOrg](#) list  
[opensource.org/licenses/alpha...](#) finally you are or not #OpenSource?



**Jim Jagielski** @jimjag · Apr 21

"While licenses are not required for open source projects"... HUH?? What sort of misinformation is THAT? [business2community.com/tech-gadgets/g...](#)



9



1



10



[View summary](#)



**Jim Jagielski** @jimjag · Apr 21

Unless a project has an OSI approved license, it is NOT an "open source" project.  
lc [@OpenSourceOrg](#) #opensource #GitHub



**Sam Shawki** @sshawki · Apr 20

Anyone know why an opensource project on [@sourceforge](#) is password protect  
with no reference on how to unlock? [@OpenSourceOrg](#)



1



**Madeleine Ball** @madprime · Apr 14

Introducing the new #ResearchKit-BSD license! [@OpenSourceOrg](#) has a new  
license to review. :D [github.com/ResearchKit/Re...](#)  
cc [@paultag](#)



...

[View summary](#)



**htilonom** @htilonom · Apr 8

When will open source community react to #anonabox stealing open source  
software and claiming it theirs? [@OpenSourceOrg](#)



3



**Hessel van Tuinen** @HesselvanTuinen · Feb 28

@OpenSourceOrg Q: Any open source code for iBeacons available yet?  
#ibeacons #open #location #multidevice



1





## OPEN SOURCES

By Matt Asay | Follow

Most Popular:

TechRepublic / U.S. ▾

# The GitHub kids still don't care about open source

By Matt Asay March 30, 2015, 3:12 PM PST // [mjasay](#)



Most GitHub repositories still don't carry a license. This is a problem. Matt Asay explains why.

## We're living in a post-open source world

Increasingly, software isn't sold, it's used to power services offered over the Internet. So why contend with the complexities of open source licensing?

The screenshot shows the homepage of opensource.com. The top navigation bar includes links for "Articles", "Resources", "Community", "About", and "The Open Org". A banner at the top right features the Red Hat logo and the text "SUPPORTED BY RED HAT". The main content area features a large heading "DISCOVER AN OPEN SOURCE WORLD" and a sub-headline "The new software hygiene: Declare a license or risk losing participation". Below this is a bio for Stephen R. Walli and a rating section. The footer of the page includes the "The Register" logo and the tagline "Biting the hand that feeds IT".



James Handwaver

@monkchips



Follow

younger devs today are about POSS - Post open source software. fuck the license and governance, just commit to github.

RETWEETS  
62 FAVORITES  
39



2:34 AM - 17 Sep 2012

A DATA CENTER SOFTWARE NETWORKS SECURITY INFRASTRUCTURE BUSINESS HARDWARE SCIENCE

Software ▾ Developer

**Study: Most projects on GitHub not open source licensed** 44

Kids these days, they just don't care

18 Apr 2013 at 01:22, Neil McAllister

165 27 8+ 3

Code-sharing website GitHub has grown so popular that it and open source are practically synonymous for many developers. But new research shows that most of the projects now on GitHub are released under license terms that are unclear, inconsistent, or nonexistent, leaving their legal status as open source software uncertain.

# “Post Open Source”



New Open Source Website/ Web app (self.opensource)  
submitted 9 hours ago by Rautaisetlintu

Hello everyone, I am currently working on a website/web app and I was thinking of making it open source but since I've never made stuff open source what else is needed besides github? Anyone can contribute if they wish.  
Thanks.

Percentage of repositories licensed

<https://github.com/blog/1964-open-source-license-usage-on-github-com>



## JavaScript strange syntax

16 I'm getting around to learning JavaScript - really learning JavaScript. I come from a PHP background so some JavaScript concepts are still new to me, especially asynchronous programming. This question might have already been answered many times before but I have not been able to find an answer. It might be because I don't really even know how to ask the question other than by showing an example. So here it is:

When using the deferred package from npm, I see the following example:

```
1 delayedAdd(2, 3)(function (result) {
  return result * result
})(function (result) {
  console.log(result); // 25
});
```

mhlz's answer is very clear. As a supplementary, here I compose a `delayedAdd` for you to better understand the process

```
7 function delayedAdd(a, b) {
  var sum = a + b
  return function(f1) {
    var result1 = f1(sum)
    return function(f2) {
      f2(result1)
    }
  }
}
```

Where in your example code, the function you passed as `f1` is:

```
function (result) {
  return result * result
}
```

and `f2` is:

```
function (result) {
  console.log(result)
}
```

share improve this answer

answered 42 mins ago



Leo  
4,372 7 24

# “Post Open Source”

Post Open Source Software

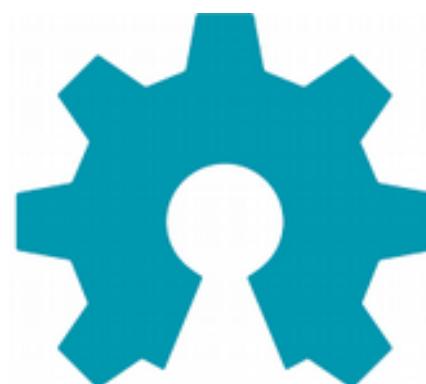
<http://opensource.com/law/13/8/github-posse-licensing>



No explicit license == "all rights reserved"

Richard Fontana, OSI Board Director &  
Intellectual Property Counsel/Open Source Licensing  
and Patent Counsel at Red Hat.

# Open\* ?!?!? !? !? !? !? !? !?





# OSHWA

OPEN SOURCE HARDWARE ASSOCIATION

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## OSHWA is having a Membership Drive!

1

Posted on December 15, 2014 by [aileen](#)

We are launching a Membership Campaign to double our members of like-minded individuals and companies between now and January 15, 2015. Help us reach our goal by spreading the word: [www.oshwa.org/membership/](http://www.oshwa.org/membership/). We will keep you all updated on our membership drive as things progress. If you have innovative ideas on how we can attract more members, please get in touch with Aileen at [info@oshwa.org](mailto:info@oshwa.org). We welcome your ideas.

### ARCHIVES

- [December 2014](#)
- [October 2014](#)
- [September 2014](#)
- [June 2014](#)
- [May 2014](#)
- [April 2014](#)
- [February 2014](#)
- [January 2014](#)
- [December 2013](#)
- [November 2013](#)
- [October 2013](#)



## Our Mission

Open Source Robotics Foundation, Inc. (OSRF) is an independent non-profit organization founded by members of the global robotics community. The mission of OSRF is to support the development, distribution, and adoption of open source software for use in robotics research, education, and product development.

We are located in the San Francisco Bay Area.

Check out [our projects](#) and get involved in robotics!

To stay up to date with future announcements, [contact us](#) directly.

## From Our Blog

### [Clearpath offers ROS consulting service](#)

Our friends at Clearpath Robotics announced today that they're offering ROS consulting services for enterprise R&D projects. And they've committed to giving part of the proceeds to OSRF, to support... [\[Read More\]](#)

### [The Value of Open Source Simulation](#)

As part of the run-up to the DARPA Robotics Challenge Finals in June, check out this piece on the role of tools like Gazebo: "The Value of Open Source Simulation... [\[Read More\]](#)

# OPEN-SOURCE DRONES FOR FUN AND PROFIT

**F**RIDAY IS FLY DAY at 3D Robotics, a maker of small robotic aircraft. So here we are, on a windswept, grassy landfill with a spectacular view of San Francisco's Golden Gate Bridge, looking up at a six-prop copter with a gleaming metal frame. It's like a spiffy toy from the future. Buzzing like a swarm of bees, it lifts off smartly, hovers, then pinwheels.

"Jason's making the hex twirl," says CEO Chris Anderson, a trim man in jeans and an untucked oxford shirt. "That's just for show—a human pilot couldn't





# Open Source Washing Machine Project

## searching free and low-cost alternatives to hand washing

[rss](#)

[CONTACT](#)

## About

*Most of the people in this planet, mostly women, wash clothes by hand in harsh conditions related to poverty, lack of sanitation, water or energy. The biggest problem is the time and the energy consumed for this task: hours and hours per week, real painful task for the body and mind, during most of their life...*

In rich countries, women started to emancipate themselves, started to be educated, started to have time for themselves and their children when washing machines arrived in the first half of the XXth century. This was a major step in gender equality, a big step in human rights. Could the future of the world be linked to washing technologies ?

If you live in a rich country, ask your grandmothers ! their answer will surprise you !



## Pages

### About

- + [News](#)
- + [History](#)
- [OSWash project](#)
- [Washing technologies](#)
- + [Rotating washing machines](#)
  - + [Portable rotating engine for any bucket](#)
  - + [Vibration washing machines](#)
  - + [Brushing and batting systems](#)
  - + [Water pressure systems](#)
  - + [Bubbling systems](#)
  - + [Bacterial washing systems](#)
  - + [Ultrasonic machines](#)
  - + [Other biological systems...](#)
- [Gallery](#)
- + [Tests](#)
- [Detergents](#)
- [Bricolabs](#)



# Bringing together design and open source

We are a community of designers and developers aiming to push more open design processes and improve the design of open source apps

## Jobs page

A job board for medium- to large-sized design tasks from open source projects.

[Check out open source design jobs](#)

## Chat app

A nice chat app for open source developers and designers to collaborate. It uses IRC as base technology since most open source projects use IRC and it's an open protocol unlike modern chat & collaboration apps. We're basing it off [Shout](#).



apr 08, 2014

## 20 Open Source Furniture Designs



Share on Facebook



Share on Twitter



<http://www.shareable.net/blog/20-open-source-furniture-designs>

### open source furniture by philippe starck for TOG

<http://www.designboom.com/design/open-source-furniture-philippe-starck-for-tog-04-08-2014/>

+ TOPICS

# How to Hack Your Way to Product Success

April 22nd, 2015

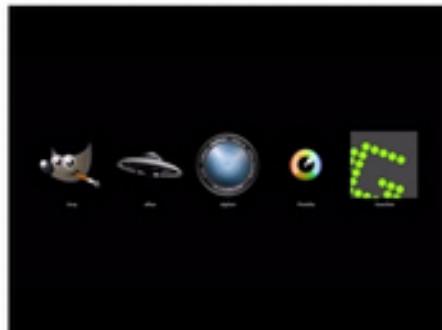
Business Strategy, Startup Tech

# Mobile Is Not Meant For Conversion

April 13th, 2015

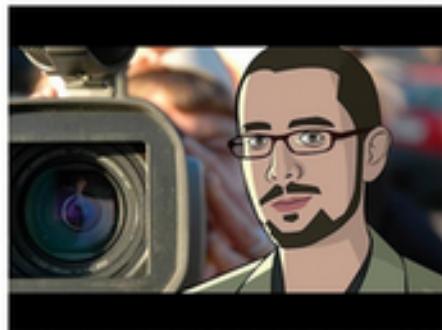
Business Strategy, Mobile, Online Commerce, Retail Strategy

# Open Source Photography



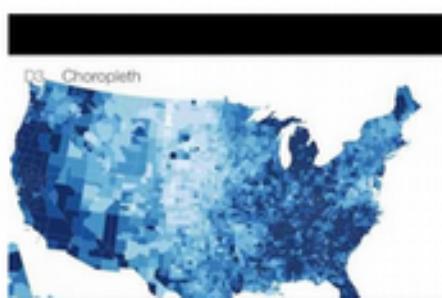
## Best Digital Photography Software (Open Source / Free)

<http://tjfree/digital-photography--image-software/> Here free programs good working digital photography. Gimp - Bitmap Image Editor Similar Photoshop ufRaw...



## Open Broadcaster Software for Linux: Free, open source software for live streaming and recording

Available <http://OBSProject>. Official installation instructions:  
<https://obsproject.com/forum/threads/ubuntu-14-04-14-10-ppa-installation-instructions.16495> First Recording: <http://youtu...>



## D3.js - The Future of Open Source BI?

<http://d3js.org/> - VISIT THIS LINK Mike Bostock' development project producing beautiful BI . [mbostock.github.io/d3/](https://mbostock.github.io/d3/)



Open Source Beehives

FORUM SOURCE FILES CONTACT

GET YOUR BEEHIVE

# Open Source Beehives

Beehives Available Now On the [AKER Campaign!](#)

*March through April 12th!*

[GET YOUR BEEHIVE](#)

<http://www.opensourcebeehives.net/>



# open source seed initiative

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## Home



<http://osseeds.org/>



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## COOK TONIGHT

using ingredients you already have!

### Tastebud on iPhone

Finds delicious recipes based on ingredients you already have in your kitchen - no grocery store trip required!

[Download Now!](#)

Just Eggs oza & Pomegranate Ponzu  
by yongfook<sup>PRO</sup>

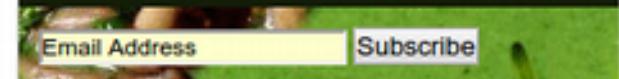
23

Amazing [Recipes](#). Delicious Food. Beautiful Photography. Created and rated by you and fellow food-lovers from all over the world. **Open Source Food** is your gastronomic hub where every visit will bring inspiration and a rumbling belly...

[Search Recipes](#)

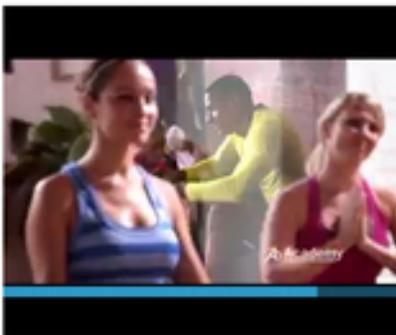
### FREE RECIPES IN YOUR INBOX!

No membership needed! Subscribe to get a weekly newsletter of Open Source Food's TOP RECIPES, with pics!



# Open source cola and the 'Napster moment' for the food business

CULTURE / 15 APRIL 13 / by IAN STEADMAN



The revolution in 3D printing is seeing enthusiasts sharing designs for everything from chairs to guns to faces. With small steps, it's even making its way into the world of food.

That might seem the most natural of all, on the face of it. Food is a social thing, from the sharing of recipes to the sharing of a meal. But it's a different kind of sharing to that we associate with other arts. Sharing a recipe isn't an economic issue for the food industry like sharing a song is to the music industry -- but what if you could print off not just a hamburger, but a Big Mac? For a look at how this future might turn out, let's look at the Coca-Cola recipe.

Unless you're in Cuba or North Korea right now you live in a country where Coca-Cola is easily available. The contents of the bottle you buy in Botswana or Bolivia has the same ingredients (give or take the odd regional variation such as cane sugar versus corn syrup) as the contents of the bottle you buy in China or Chile.



Which cola is "the Real Thing"? Shutterstock

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HOME BREWING

3

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# The Open Source Brewing Movement

BY MIKE STUART · FEBRUARY 27, 2014

The internet has had a monumental impact on bringing together like-minded folks to freely share education and creativity. The information sharing juggernaut has also been integrated into the craft beer brewing community. Nowhere is this more evident than a growing number of professional, for-profit, breweries openly sharing their beer recipes with homebrewers (and often, their primary customer). They've taken one of their most valuable intellectual assets and put it out there for the community to embrace and learn from.

SHARE

54



128



10



2



## The Open Source Spectrum

There are a number of breweries that openly share their recipes. A few that come to mind are Modern Times, Avery, Deschutes, and Ballast Point. There is a spectrum of open source ranging from all of their recipes, to a few select beers, to sharing the ingredients but not the proportions. However, these brewers obviously embrace their homebrewing roots and provide a platform for others to either recreate a known entity or use it as a springboard to something altogether different.

<http://brewprof.com/the-open-source-brewing-movement/>

[OSI-TM] [Trademark enquiries] use of 'open source' in a domain name

Reply Group Reply Forward Print Delete Mail Back Next

**From:** [dpdaug@gmail.com](mailto:dpdaug@gmail.com)  
**To:** [trademarks@opensource.org](mailto:trademarks@opensource.org)  
**Subject:** [OSI-TM] [Trademark enquiries] use of 'open source' in a domain name  
**Date:** Mon, 25 May 2015 15:33:13 +0000 (UTC) (05/25/2015 11:33:13 AM)

Dan Daugherty ([dpdaug@gmail.com](mailto:dpdaug@gmail.com)) sent a message using the contact form at <http://opensource.org/contact>.

Hello,

I blog about hard cider, mead (honey wine), and how to make them. I'm working on a concept for a cider-making company which is very open in terms of its process and ingredients, and which involves and educates customers extensively as part of the experience.

The term that keeps coming to mind is 'Open Source Cider'. However, I'm aware that OSI holds trademarks around the concept, so I thought I'd contact you to get your position on the matter.

Would you permit the use of the above name--or the domain [opensourcecider.com](http://opensourcecider.com)--completely unrelated to software and in a fashion which clarifies that there is no affiliation with the OSI, or would you consider it a trademark violation?

Thanks for your time,

Dan Daugherty  
[dpdaug@gmail.com](mailto:dpdaug@gmail.com)

Report as inappropriate:  
[http://opensource.org/mollom/report/mollom\\_content/1505256b14144513db](http://opensource.org/mollom/report/mollom_content/1505256b14144513db)

---

Trademarks mailing list  
[Trademarks@opensource.org](mailto:Trademarks@opensource.org)  
<http://projects.opensource.org/cgi-bin/mailman/listinfo/trademarks>

BRIGHT IDEAS

# Open-source streetlamps from old soda bottles are making streets safer for women



<http://qz.com/382486/open-source-streetlamps-from-old-soda-bottles-are-making-streets-safer-for-women/>

Richard Baraniuk:

# The birth of the open-source learning revolution



TED2006 · 18:34 · Filmed Feb 2006

Subtitles available in 26 languages

 View interactive transcript

Share  
this idea



879,593 Total views

 Share this talk and track your influence!

In 2006, open-learning visionary Richard Baraniuk explains the vision behind Connexions (now called OpenStax), an open-source, online education system. It cuts out the textbook, allowing teachers to share and modify course materials freely, anywhere in the world.

# UMass students, librarians want more faculty to use open source textbooks to save students money



CAMPUS LIFE

## SUNY Schools To Use Free Open Textbooks Next Semester

By Emily Schwartz

[Like](#) 218 [Share](#) [Tweet](#) 107 [Share](#)



# California Takes a Big Step Forward: Free, Digital, Open-Source Textbooks

MEGAN GARBER | SEP 30 2012, 9:20 AM ET

*A Golden State experiment with nationwide impact*



Governor Jerry Brown meets with university students while signing legislation aimed to offer them financial aid (AP)



## ***College first Massive Open source Online Course (MOOC)***

*I began but did not finish my first MOOC (Massive Open-Source, Online Course). Harvard's Michael Sandel's popular class, "Justice," on political philosophy.*

*The Gates grantees aren't the only ones giving open-source courses a whirl.*

Are you seeing other examples of this Mini-MOOC trend (free, open source courses by a startup or organization)? Tell us about it in the comments section below.

## ***MOOC (massive open source online course)***

*A MOOC is an open source online course that is, in general, hosted by an established leader in higher education and online learning.*

***MBA program based on open source courses from edX, Coursera, and others.***

*MITx: an independent, not-for-profit company that would offer massive online courses from MIT on an open-source basis.*

***...capitalize on the intense demand for high-quality, open-source online courses. Based on the popularity of the MOOC offerings online so far, we know that open-source courses at elite universities have the potential to serve enormous "classes."***

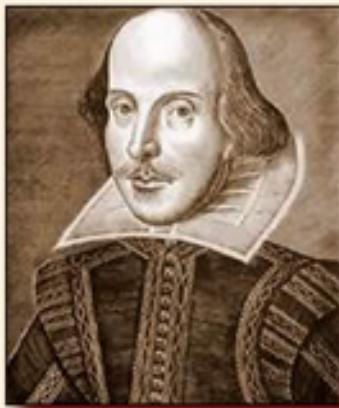
*A MOOC is essentially an open source classroom. I attended a live Blackboard Connect class with over 250 educators from all over the world... it was fascinating.*

*MOOC development emerged from the most elite universities, which initially offered their open-source courses as a tool to help students succeed in introductory classes.*

*Many agencies outside of academia also find these open source courses beneficial as they allow employees to acquire new knowledge without spending corporate money.*

# OpenSourceShakespeare

AN EXPERIMENT IN LITERARY TECHNOLOGY



William Shakespeare  
1564-1616

## PLAYS

All's Well That Ends Well  
Antony and Cleopatra  
As You Like It  
Comedy of Errors  
Coriolanus  
Cymbeline  
Hamlet  
Henry IV, Part I  
Henry IV, Part II  
Henry V  
Henry VI, Part I  
Henry VI, Part II  
Henry VI, Part III  
Henry VIII  
Julius Caesar  
King John  
King Lear  
Love's Labour's Lost  
Macbeth  
Measure for Measure  
Merchant of Venice  
Merry Wives of Windsor  
Midsummer Night's Dream  
Much Ado about Nothing  
Othello  
Pericles  
Richard II  
Richard III  
Romeo and Juliet  
Taming of the Shrew

- Use [Mobile Open Source Shakespeare](#) on your mobile device
- Add a [Shakespeare search box](#) to your browser

## Features

concordance + keyword search + advanced search + statistics

## Plays

by genre + by number of words + by number of speeches + character list + character search

## Sonnets and Poems

individual sonnets + sonnets compared side-by-side + all sonnets + all poems



## More than just a collection of texts...

Open Source Shakespeare attempts to be the best free Web site containing Shakespeare's complete works. It is intended for scholars, thespians, and Shakespeare lovers of every kind. OSS includes the 1864 Globe Edition of the complete works, which was the definitive single-volume Shakespeare edition for over a half-century. [READ MORE...](#)



## Why use Open Source Shakespeare?

This site was built with four attributes in mind: **Power, Flexibility, Friendliness, and Openness**. It won't replace the expensive, subscription-only sites at libraries or research institutions, but you can use the [advanced search function](#), read the [plays](#), and look up words in the [concordance](#).

From June 2006 to August 2014, Open Source Shakespeare hosted over 6.5 million unique visitors, who logged over 32.7 million page views.

Users performed over 1.5 million [searches](#) from September 2012 to August 2014.

## TEXT SEARCH

Search in work:

ALL WORKS ▾

Search

For more search options, try the [advanced search](#).

## CONCORDANCE SEARCH

- Exact spelling  
 First part of a word  
 Any part of a word

Search

## CHARACTER SEARCH

Search

Enter a name, or the first part of a name, to locate the character(s) you want to find  
[Full search page](#)

# OPEN SOURCE

ON VIEW

UPCOMING

PAST

EVENTS

CHURCH OF MONIKA

HTBAF

KIDS

ABOUT

CONTACT

Sign up for email list\*

Zip

- All
- Exhibits and Events
- Kids Programs
- Press

Search

## ABOUT

[Mission](#) | [History](#) | [Staff](#) | [The Board](#) | [Press](#) | [Open Calls](#) | [Opportunities](#)

### Our mission:

Open Source is a Brooklyn based non-profit that serves as a nexus for contemporary art and local neighborhood cultures, with a history of supporting emerging artists who through the development of new works challenge how, when, and where contemporary art intersects and integrates with the everyday lives of everyday people. We place strong emphasis on public socially engaged artwork, sustainable communities, and social justice.



[HOME](#)[PROGRAMME](#)[GET INVOLVED](#)[LOCATION](#)[GALLERY](#)[PARTNERS](#)[VACANT TO VIBRANT](#)

## THE OPEN SOURCE

The Open Source is a performance space, music venue and workshop hub bringing life back into an empty space in Belfast's Cathedral Quarter during the annual **Cathedral Quarter Arts Festival**.

The Open Source brings vibrancy to a vacant property and provides space for free workshops, performances and exchange of ideas throughout the day and into the early evening.

Run by volunteers and made possible by the donation of the space, furniture, equipment and the artists' time, The Open Source relies on the spirit of collectivism and collaboration to provide a dynamic and creative hub.





## Inside '90s Heartthrob-Turned-Spiritual Guide Andrew Keegan's 'Full Circle'

Apr 30, 2015, 5:05 PM ET

By [DAN HARRIS](#), [VICTORIA THOMPSON](#) and [LAUREN EFFRON](#) via [NIGHTLINE](#)



Andrew Keegan is shown here, back left, with fellow Full Circle congregants.

Victoria Thompson/ABC

*"Full Circle is an open source spiritual community," Keegan said. "We have a creed. We do believe that everything is an expression of the creator and that we coming together create our own destiny, our own path."*



Beth Noveck:

# Demand a more open-source government

TEDGlobal 2012 · 17:23 · Filmed Jun 2012

Subtitles available in 18 languages

[View Interactive transcript](#)Share  
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thanks to support from

What can governments learn from the open-data revolution? In this stirring talk, Beth Noveck, the former deputy CTO at the White House, shares a vision of practical openness — connecting bureaucracies to citizens, sharing data, creating a truly participatory democracy. Imagine the "writable society" ...

[Interactive transcript](#)

TED Talks are free thanks to support from

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make decisions.  
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made with IBM.



# Main Entry: fauxpen source

Pronunciation: \fō-pən sōrs\

Function: noun

Etymology: a term invented by Phil Marsosudiro  
at a dinner party in North Carolina

Date: 2 May 2009

: A description of software that claims to be open source, but lacks the full freedoms required by the **Open Source Definition**.

synonyms: see open core, neo-proprietary

antonyms: see Linux kernel, Apache, OpenNMS

<http://fauxpensource.org/>

# Fauxpen Source Software

The image shows a vertical list of four tweets from a mobile application. Each tweet has a small profile picture, the author's name, the date, and the text of the tweet. Below each tweet are five small grey icons: a left arrow, a retweet symbol, a reply symbol, a star, and three dots.

**Michael W. Dean @FreedomFeens · Feb 24**  
@OpenSourceOrg BipCot No-Government License:  
[bipcot.org](http://bipcot.org)

**OpenSourceInitiative @OpenSourceOrg · Feb 24**  
@FreedomFeens Per the page's thread, BipCot NoGov lic. shouldn't be referred  
to as an open source license, conflicting w/5 & 6 of the OSD.

**Michael W. Dean @FreedomFeens · Feb 24**  
@OpenSourceOrg We called it open source in an early draft, but stopped doing  
that before releasing it.

**Michael W. Dean @FreedomFeens · Feb 24**  
@OpenSourceOrg It is not open source, though the source is open. Just wanted  
to share with you, since it is an interesting license.

# Fauxpen Source Software

Qabel GmbH

<https://qabel.de/index-en.html>

Qabel is a free, open-source, decentralized, expandable platform, that...



*The software "Qabel" is licensed under the QaPL, a specially developed license, which's source code is open. The QaPL can neither be classified according to the standards of the Free Software Foundation (FSF), nor to the standards of the Open Source Initiative (OSI) as "Free Software License" or "Open Source License" respectively.*

# Fauxpen Source Software

Qabel GmbH

<https://qabel.de/index-en.html>

Qabel is a free, open-source, decentralized, expandable platform, that...



## Please do not trust us.

It is not necessary.

Surveillance interface

Source code

Alpha test

*The software "Qabel" is licensed under the QaPL, a specially developed license, which's source code is open. The QaPL can neither be classified according to the standards of the Free Software Foundation (FSF), nor to the standards of the Open Source Initiative (OSI) as "Free Software License" or "Open Source License" respectively.*



# PUBLIC LICENSE

## Frequently Asked Questions

Below are four questions asked frequently of our Legal Team with regard to our OSET Public License ("OPL"). We hope this FAQ, in combination with our Rational White Paper, clarifies these inquiries.

### 1. Is your license truly an open source software license?

**Yes.** The OSET License ("OPL") is an open source software license, without a doubt amongst trained, experienced open source licensing lawyers. Here is why. The license meets the Open Source Definition promulgated by the Open Source Initiative (<http://opensource.org/osd-annotated>). The definition has 10 elements, as described below.

*We haven't reviewed the Open Public License, so can't give a formal opinion without running it through the process. But, I'll note that the license includes a requirement to notify the initial developer of every change. This type of requirement is generally regarded as failing to meet the Free Distribution criteria of the Open Source Definition. So, if we did review the Open Public License, **the likely outcome is that we'd rule it as not open source.***

- Allison Randal  
OSI President

The screenshot shows the top navigation bar of the GeoGebra website. It includes the GeoGebra logo, a search bar with the URL "www.geogebra.org/license", and various site icons. The main menu items are Materials, Downloads, Community, Help, and Sign in.

# GeoGebra

[Materials](#)[Downloads](#)[Community](#)[Help](#)[Sign in](#)

## GeoGebra License

You are free to copy, distribute and transmit GeoGebra for non-commercial purposes (please see details below).

### Guidelines to distinguish Non-commercial and Commercial Use

You may only use the GeoGebra Software and Materials under the terms of a relevant licence agreement. The licence agreement which applies to you depends on your use of the Software and the Materials, which can be summarised as follows:

- You are free to copy, distribute and transmit GeoGebra for **non-commercial purposes**. Non-commercial use is subject to the terms of our [GeoGebra Non-Commercial License Agreement](#).
- Any use of GeoGebra for a **commercial purpose** is subject to and requires a special licence. If you intend to use GeoGebra for a commercial purpose, please contact [office@geogebra.org](mailto:office@geogebra.org) to arrange a License and Collaboration Agreement with us.

Whether a particular use of the GeoGebra Materials is "non-commercial" depends on the use, not the user, and to assist we have set out the notes below:

1. **Non-commercial Use.** We anticipate that non-commercial use will primarily involve students and teachers who may wish to use GeoGebra at home and in school or university for the purposes of their school or academic study and teaching, without intending to seek any commercial advantage or financial gain. This includes teachers in schools and universities where tuition fees are charged, so long as the use of GeoGebra is limited to personal or individual classroom teaching.
2. **Commercial Use.** We anticipate that commercial use will primarily involve publishers, online schools, schools or universities charging tuition or course fees where there is systematic or formal integration of GeoGebra within the curriculum, and non-profit organizations who wish to use GeoGebra to support activities that are intended toward securing a commercial advantage or the generation of revenue or monetary compensation.

Examples of commercial use might include:

- use of GeoGebra (or any related materials or resources) to generate or develop educational materials or resources which will be sold in exchange for a fee (including course or tuition fees) or (if given away for free) which are used to gain a commercial advantage for the user;
- the provision of training, support or editorial services that use or reference GeoGebra (or any related materials or resources) in exchange for a fee;
- use of GeoGebra (or any related materials or resources) within a non-academic ebook, textbook or journal, whether or not the book or journal is distributed for a fee. Please note that academic papers, conferences, and books do not require a License and Collaboration Agreement; and

The GeoGebra source code is licensed to you under the terms of the GNU General Public License (version 3 or later) as published by the Free Software Foundation, the current text of which can be found via this link: <http://www.gnu.org/licenses/gpl.html> ("GPL"). Attribution (as required by the GPL) should take the form of (at least) a mention of our name, an appropriate copyright notice and a link to our website located at <http://www.geogebra.org>.

# Open-ish



# Open Core

"Some open source software has a core kernel that is open source, but everything else about it is rather closed or proprietary," he explains. "This is called open core."

Gunnar Hellekson, chief technology strategist Red Hat, Campus Technology

<http://campustechnology.com/Articles/2012/09/11/7-Questions-to-Ask-Open-Source-Vendors.aspx?Page=2>

There are companies like Pentaho or Alfresco which offer an "open core" and sell additional features for that. I would consider that more as closed than as open source, in some way it is a bit like a "demo version".

Are there startups that went open-source and succeed?, Hacker News

<https://news.ycombinator.com/item?id=8341565>



# Open Core

## Simon Says...

Simon Phipps

## Open Core Is Bad For You

By Simon Phipps | Published 14:45, 29 June 10



*The open core model is being feted as the new default open source business model. But I assert it does not deliver and sustain the principle that delivers cost savings and flexibility to the customer - software freedom. As a consequence, businesses who live-or-die by open core risk the fate of Compiere ERP unless they can manage the incredibly delicate balance their customers will discover they demand.*

When I spoke at the Transfer Summit in Oxford last week, I invited the delegates to join me in reforming the Open Source Initiative (OSI). I repeated the explanation I made here, that OSI needs to be rebuilt in the light of a re-projection of software freedom for a new decade. In articulating the challenges facing open source after ten years of success, I asserted - as I usually do - that "open core" is one of the big challenges facing open source. This surprised some delegates.

Last week Mårten Mickos, the former CEO of MySQL and new CEO of cloud technology company Eucalyptus, indicated in an interview that he is an advocate of the open core model. He said:

"We deliver a fully functional cloud with Eucalyptus software. You can download it on a GPL v3 license. But, additionally, we provide enterprise features only if you pay for them ... it's open core,"

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### About Author



With a focus on open source and digital rights, Simon is a director of the UK's Open Rights Group and president of the Open Source Initiative. He is also managing director of UK consulting firm Meshed Insights Ltd.

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# open Core

Simon Says...

Simon Phipps

*...then problem with open core is that instead of delivering and cultivating software freedom, the open core business model induces dependency on closed software and lock-in to a vendor.*

Last week Mårten Mickos, the former CEO of MySQL and new CEO of cloud technology company Eucalyptus, indicated in an interview that he is an advocate of the open core model. He said:

"We deliver a fully functional cloud with Eucalyptus software. You can download it on a GPL v3 license. But, additionally, we provide enterprise features only if you pay for them ... it's open core,"

The screenshot displays a blog post from Computerworld UK. The title is "...then problem with open core is that instead of delivering and cultivating software freedom, the open core business model induces dependency on closed software and lock-in to a vendor." The author is Simon Phipps, published on June 29, 2010. The post discusses the limitations of the open core model. A sidebar on the right features a photo of Simon Phipps, a brief bio, and links to his LinkedIn, Twitter, and Google+ profiles.

# Commercial Ownership

Forbes ▾ New Posts 13 Most Popular Lists Video Subscribe to Forbes Search



Ben Kepes  
Contributor

FOLLOW

TECH 3/25/2015 @ 4:14PM | 4,818 views

## A Cautionary Open Source Tale, Apple Buys And Shuts FoundationDB

+ Comment Now + Follow Comments

*Update. It turns out the situation is more complex than I first thought. The core of FoundationDB was closed source, but many components around it were open sourced. What this means is that people using those open source components relied on the FoundationDB core which now, alas, is no longer available. Thanks to Jeremiah Lee for the clarification as below:*



Jeremiah Lee @JeremiahLee

@berkepes This is misleading. @FoundationDB was not open source. Only components that depended on the closed source core were open source.

25 Mar



Jeremiah Lee  
@JeremiahLee

Follow

@benkepes If @FoundationDB itself had been open source, the community could continue using a fork and this wouldn't be as awful.

7:15 PM - 25 Mar 2015 Mission, San Francisco, United States

1 FAVORITE

## Apple May Have Just Killed An Open-Source Project

If you're using (or contributing to) FoundationDB, you're SOL.

Learn more about this

GitHub

Search GitHub

Explore Features Enterprise



FoundationDB

https://foundationdb.com



This organization has no public repositories.

## TJ Holowaychuk Passes Sponsorship of Express to StrongLoop

July 29, 2014 / 7 Comments / in Community, Express, News, Press / by Al Tsang



At StrongLoop we are very excited and honored to announce that as of this morning, [TJ Holowaychuk](#) has transferred the [Express repo](#) and [Expressjs.com](#) domain to StrongLoop.

The image shows the header of the TechRepublic website. It features a blue navigation bar with the TechRepublic logo, a dropdown menu for "U.S.", and links for "All Topics", "Newsletters", "Photos", "Forums", "Resource Library", "Research", and a user profile icon. Below the bar is a secondary navigation bar with categories like CXO, Software, Startups, Cloud, Data Center, Mobile, Microsoft, Apple, and Google. A search bar with the placeholder "Search TechRepublic" and a magnifying glass icon is also present.

## The dark side of commercial open source

By Matt Asay March 27, 2015, 4:41 AM PST // [@mjasay](#)

*one critical problem with commercial open-source companies: they can be bought. And sold. And when they are, the community can be shafted.*



Open Washing: Openwashing: to spin a product or company as open, although it is not. Derived from “greenwashing,”

- Michelle Thorn, Mozilla’s Director of the Webmaker Program

# Anonabox Promises Total Online Anonymity That's Easy, Open Source, and Cheap

By Evan Ackerman  
Posted 14 Oct 2014 | 21:00 GMT  
<http://spectrum.ieee.org/>

KICKSTARTER

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anonabox : a Tor hardware router (Suspended)

by August Germar

anonabox



[www.anonabox.com](http://www.anonabox.com)

8,928  
backers

\$585,549  
pledged of \$7,500 goal

Funding Suspended

Funding for this project was suspended by Kickstarter on October 17.

The anonabox is an open source embedded networking device designed specifically to run Tor. It's 100% Open Source.

Chico, CA

Gadgets

Share this project

August Germar

First created | 2 backed  
[anonabox.com](http://anonabox.com)

[See full bio](#) [Contact me](#)



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## Fake privacy gadgets, from Anonabox to Sever: Fighting a strange and profitable epidemic

An neverending wave of snake oil salesmen proffering faux privacy gadgets are raking in the dough on crowdfunding sites like Kickstarter. If you see these claims, run.

# Jolla Tablet - world's first crowdsourced tablet



Hong Kong, Hong Kong



Technology

Story

Updates 13

Comments 1,459

Funders 21,570



InDemand

**\$2,555,547** USD

total funds raised



Original campaign was 480% funded  
on December 9, 2014

CLOSED

on March 31, 2015

SELECT A PERK

**\$249** USD

Featured

# Jolla's open-source tablet might actually stay the course

Finnish firm's Linux-based tablet looks like a tenable alternative to Apple iPads and Android devices.

**NETWORKWORLD**

## INTERNATIONAL BUSINESS TIMES

### Jolla Sailfish 2.0 Tablet: 'Open-Source iPad' Crowdfunded Within Hours

By Abigail Elise [@theabigailelise](#) on November 19 2014 3:41 PM EST

**TC** Jolla's 'Open Source' iPad Alternative Raises More Than \$1M In Two Days' Crowdfunding

Posted Nov 23, 2014 by Natasha Lomas (@nrlptn)

**Forbes**



TECH 12/10/2014 @ 4:49PM | 4,225 views

### The Case For The Jolla Tablet

[+ Comment Now](#) [+ Follow Comments](#)

**PC**

### Hands On: Jolla Tablet and Sailfish 2.0

BY EUGENE KIM MARCH 2, 2015 10:05AM EST 0 COMMENTS

Jolla was at Mobile World Congress showing off its open source Jolla Tablet and new Sailfish 2.0 OS.

### Can Jolla Deliver the First Open Source Tablet?

Critically praised for its phone, Jolla is now developing a tablet.

**Datamation.**

"...the Jolla Tablet...runs on Jolla's own independent and intuitive open source based mobile operating system **Sailfish OS**"

Welcome onboard the Jolla Tablet journey! For \$10 you'll... get to support **the greatest open source project ever...**!

"Jolla Tablet's Sailfish operating system will be unlike anything you've tried before. Once you try it, you'll never want to go back. Independent and **powered by open source**, change whatever you like, whenever you like."

"Together **with the open source community**, we're continuing to strengthen our privacy capabilities at every opportunity."

"Jolla's core value is freedom of choice for our community. That's why we've picked Intel's innovation platform, **backed by open source**, to power the Jolla Tablet."

"All of our customers can have their say on the direction of our products through Jolla and other **open source** communities that we work closely with."

# Sailfish EULA

## Sailfish End User License Agreement

Please review this agreement (the "Agreement") carefully before using the Software. Because you need to accept these terms before using the Software, we recommend you take your time reading through them to make sure you are comfortable with them. You agree to these terms by downloading or using the Sailfish OS, any included additional components, any software or content we make independently available pursuant to this Agreement, and all software documentation ("Software") or by clicking on the "Accept" button next to this Agreement when downloading, installing and/or using the Software.

If you cannot accept the terms of this Agreement after having purchased a product incorporating Software, please return the product containing the Software to the seller within the return period provided for in the seller's return policy for a full refund. If you purchased the product directly from us, the applicable return period is stated in our Jolla Return Policy, available at <http://www.jolla.com/care>.

Note that our Software is based on the great efforts and innovations of the open source community. The core components of our software ("Free Software") are all available as open source via various projects in which we actively participate. We encourage you to also join those projects and participate. Although our Software is subject to this Agreement, Free Software is available under its own terms, subject to which you are free to use it as you wish. For more information about these open source components, see <http://www.sailfishos.org>.

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**License restrictions: "Although we encourage you to develop our Software to make it better, we cannot allow such development, modifying or any harmful interaction with the version of our Software distributed integrated in a product."**

If you cannot accept the terms of this Agreement after having purchased a product incorporating Software, please return the product containing the Software to the seller within the return period provided in the seller's Return policy for a full refund. If you purchased the product directly from us, the applicable return period stated in our Jolla Return Policy, available at <http://www.jolla.com/share>.

Note that our Software is based on the great efforts and innovations of the open source community. The core components of our software ("Free Software") are all available as open source projects in which we actively participate. We encourage you to also join those projects and participate. Although our Software is subject to this Agreement, Free Software is available under its own terms, subject to which you are free to use it as you wish. For more information about these open source components, see <http://www.sailfishos.org>.

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**License restrictions: "You are expressly prohibited from...copying any elements of our Software, including code, graphics, sounds, our name, trademark, logo or other proprietary information, without our prior written consent."**

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**"Our goal with the Sailfish OS is to develop an open source operating system in co-operation with the community [...]. We are currently in the process of putting in place the processes and licensing structures that will enable you, the community, to take part in developing Sailfish."**

- SailfishOS.org



<https://together.jolla.com/questions/scope:all/sort:relevance-desc/page:1/query:%22open%20source%22/>

### ***Why is Sailfish advertised as truly open?***

*Is Jolla deliberately misleading their customers? Or are we lead to believe that like in the claims of homeopathy the concept of openness gets stronger the more it's diluted?*

### ***Clarification of open-source policy***

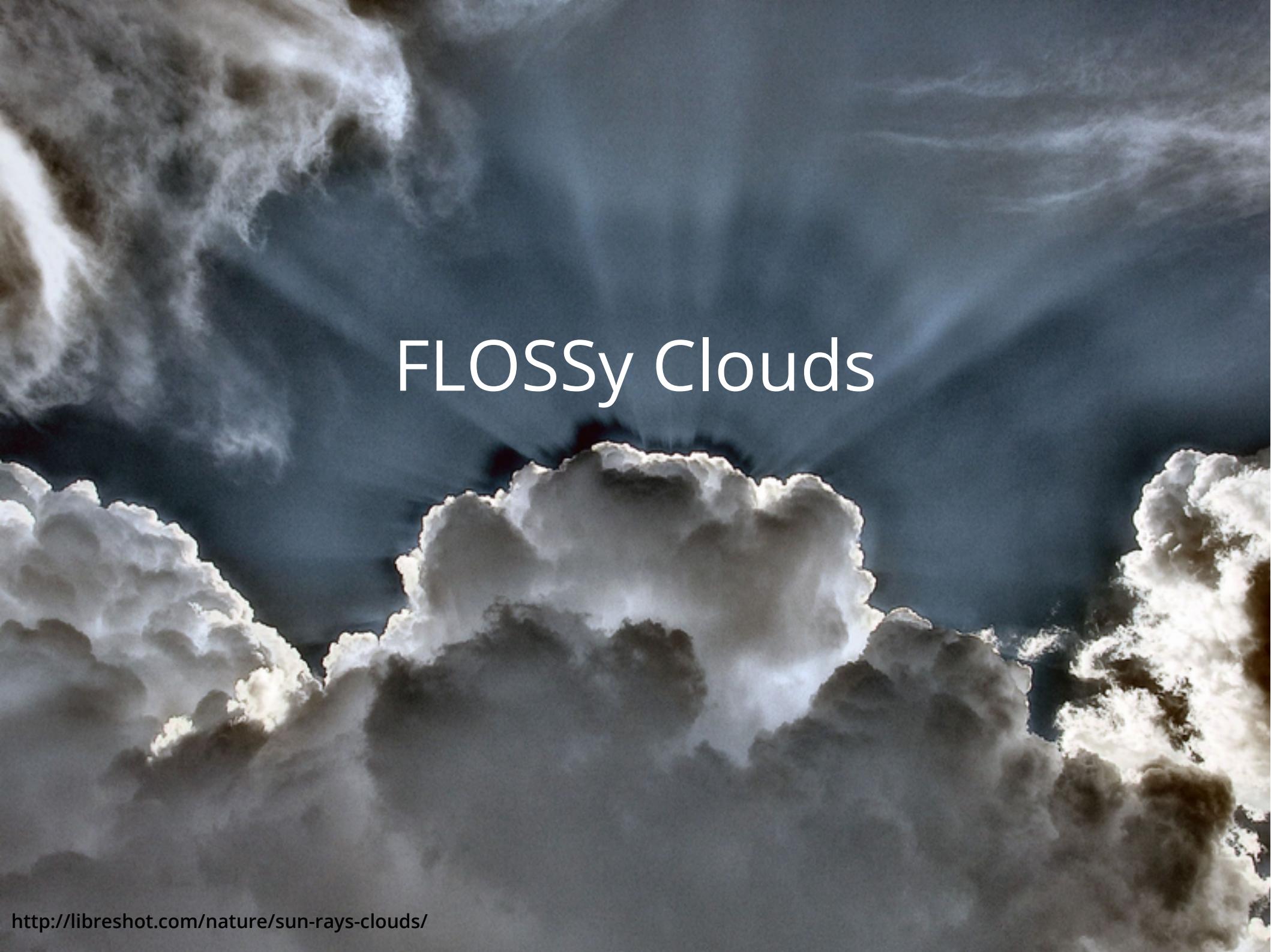
*there exists quite some confusion in regards to the status and scope to which SailfishOS is or will be open-source.*

### ***Why isn't sailfish open source?***

*Jolla seems to like the idea of community and freedom but closed source software is against both.*

### ***Fully open source sailfish os***

*I would really love to support you guys, but I kind of feel guilty with that in mind. Ubuntu, Android, and Firefox are all open source... If you open source all parts, only good can come from it.*



# FLOSSy Clouds



# Rosalyn Metz

<http://rosalynmetz.com/>

- **Cloud Computing Explained**

<http://www.educause.edu/ero/article/cloud-computing-explained>

- **Rosalyn Metz Explains Cloud Computing in Higher Ed**

<http://www.educause.edu/blogs/gbayne/interview-podcast-rosalyn-metz-explains-cloud-computing-higher-ed>

...a model for enabling convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction. This cloud model promotes availability and is composed of five essential characteristics, three service models, and four deployment models.

Infrastructure as a Service (IaaS), i.e. virtual machine renting

Platform as a Service (PaaS), i.e., good ol' hosting / application servers

Software as a Service (SaaS), or Service as a Software Substitute (SaaSS)  
i.e., remote software applications

# Stefano Zacchiroli

<https://upsilon.cc/~zack/talks/2015/20150322-libreplanet-cloud.pdf>

- FOSS is meant to empower users: The 4 Freedoms
- Source code alone is not enough
- Distributions make it simple for final users to find, install, and maintain FOSS on their computers
  - i.e., distributions turn FOSS from an elitist club, to a publicly available/usable commons - arguably, distributions have won...
- Unfortunately and ironically, users are not "more free" because now all their "interesting" computations (from spreadsheets to word processing, from email to gaming) now happen **"in the cloud", on computers that they don't control which run proprietary software or is not accessible**
- state of the art is: users (might) have completely FOSS "terminals" at their fingertips, which they use to run proprietary applications on someone else's computers



*OSI Board Director,  
Fmr Debian Project Leader*

*Hackers/developers seem to be more tolerant to the lack of control than in the past.*

# Open Source Licenses Principles / Practices

Communication

Transparency

Self-organization

Collaboration

Evidence-based

Meritocracy



**open** source  
initiative

# Thank you

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<https://commons.wikimedia.org/wiki/File:Mouse-patents-nglebart-rid.png>
- Copyright-magnifier-magnifying-glass, Public Domain  
<https://pixabay.com/en/copyright-magnifier-magnifying-glass-389901/>
- Stupid Patent of the Month: Eclipse IP Casts A Shadow Over Innovation, CC-BY  
<https://www.eff.org/deeplinks/2015/04/stupid-patent-month-eclipse-ip-casts-shadow-over-innovation>
- Windows 9 Parody, All rights reserved  
[http://webneel.com/daily/15-windows-8-logo-parody?size=\\_original](http://webneel.com/daily/15-windows-8-logo-parody?size=_original)
- Hand gesture, Public Domain  
<https://pixabay.com/en/hand-gesture-stop-wait-hand-244360/>





# The Importance and Value of Open Source Licenses

1





# Patrick Masson

Director, Open Source Initiative

Chief Technology Officer, University of Massachusetts

Chief Information Officer, State University of New York

IT Director, UCLA Media Lab

**What is Open Source Software  
What is the Open Source Initiative  
Understanding Licenses & IP**

**Open Source Licenses**

**Open Source Success**

**Open Washing**

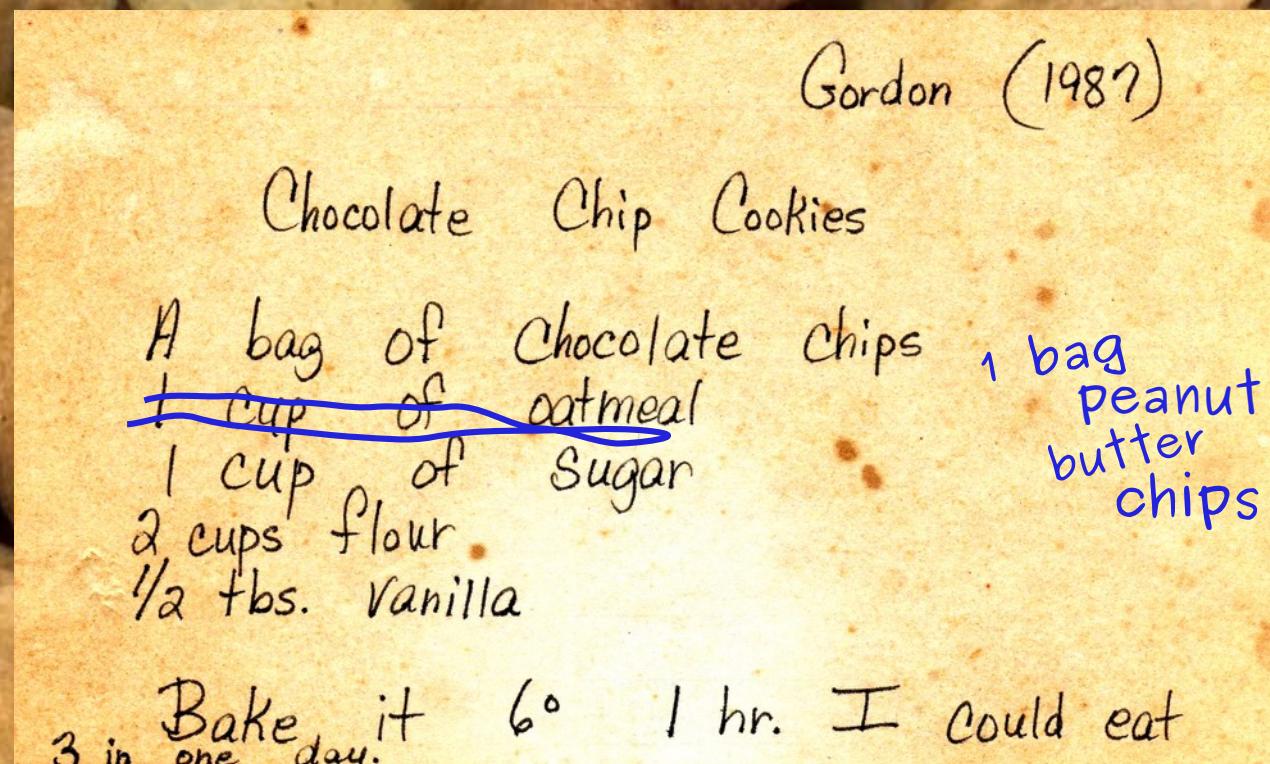
**Fauxpen Source**

**Open-ish**

**Post Open Source**



# What is Open Source Software?



Software that can be *used* and *modified* by anyone for any purpose.

<https://www.thespicedlife.com/snickers-and-milk-chocolate-chip-cookies/>



<http://onenovablefeast.com/gallery/grandma-johnsons-chocolate-chip-cookies/>



<https://www.cbsnews.com/news/school-vending-machine-laws-would-help-kids-lose-weight-study-shows/>



[https://sonic.fandom.com/wiki/Evil\\_Cookie](https://sonic.fandom.com/wiki/Evil_Cookie)





## Open source communities agree...



Rensselaer Center for Open Source





cloudera



Bain Capital *Ventures*

Bloomberg

**BOSCH**



Booz | Allen | Hamilton

**BOEING**



COMCAST

**CHOICE HOTELS**



amazon  
**AMD**

craigslist

**CITRIX**

**DELL**

**FUJITSU**

**facebook**

**Google**

Industry agrees...



**FOURSQUARE**



**LinkedIn**

**Pinterest**



**slack**

**UBER**

**Taboola**

**twitter**



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**NETFLIX**

New York Times

**SONY**

St. Jude Children's Research Hospital

**StubHub!**

**TESLA**

**Walmart**



**WELLS FARGO**



**IBM**



**ORACLE**

**intel**



**ORACLE**

**intel**

**PayPal**

**QUALCOMM**



**SAMSUNG**

**sap**

**salesforce**

**SAP**



**Texas Instruments**





Google Open Source

*The Open Source Definition by the OSI, is the commonly agreed-upon definition... free distribution, freedom for anyone to create derived works, and use of the software for any purpose.*

<https://opensource.dev/>



The most widely accepted definition for Open Source Software comes from the Open Source Initiative.

[linuxfoundation.org/blog/what-is-open-source-software/](https://linuxfoundation.org/blog/what-is-open-source-software/)



**GitHub**

*...open source means anybody is free to use, study, modify, and distribute your project for any purpose...enforced through an Open Source Initiative approved license.*

[opensource.guide/start-a-project/](https://opensource.guide/start-a-project/)



United States  
Department of Defense

*Open source software licenses are reviewed and approved as conforming to the Open Source Definition by the Open Source Initiative.*

[https://dodcio.defense.gov/open-source-software-faq/#Defining\\_Open\\_Source\\_Software\\_.28OSS.29](https://dodcio.defense.gov/open-source-software-faq/#Defining_Open_Source_Software_.28OSS.29)



**Microsoft**

Open source licenses are licenses that comply with the Open Source Initiative's Definition, they allow software to be freely used, modified, and shared.

[docs.microsoft.com/en-us/nuget/create-packages/package-authoring-best-practices](https://docs.microsoft.com/en-us/nuget/create-packages/package-authoring-best-practices)



OSI's Definition: must include source code, must allow distribution, and must allow modifications and derived works.

[ibm.com/developerworks/library/os-cplfaq/](https://ibm.com/developerworks/library/os-cplfaq/)





Google Open Source

*The Open Source Definition by the OSI, is the commonly agreed-upon definition... free distribution, freedom for anyone to create derived works, and use of the software for any purpose.*

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The most widely accepted definition for Open Source Software comes from the Open Source Initiative.

[linuxfoundation.org/blog/what-is-open-source-software/](https://linuxfoundation.org/blog/what-is-open-source-software/)



GitHub

*...open source means anybody is free to use, study, modify, and distribute your project for any purpose...enforced through an Open Source Initiative approved license.*

[opensource.guide/start-a-project/](https://opensource.guide/start-a-project/)



Open source licenses are licenses that comply with the Open Source Initiative's Definition, they allow software to be freely used, modified, and shared.

[docs.microsoft.com/en-us/nuget/create-packages/package-authoring-best-practices](https://docs.microsoft.com/en-us/nuget/create-packages/package-authoring-best-practices)



United States  
Department of Defense

*Open source software licenses are reviewed and approved as conforming to the Open Source Definition by the Open Source Initiative.*

[https://dodcio.defense.gov/open-source-software-faq/#Defining\\_Open\\_Source\\_Software\\_.28OSS.29](https://dodcio.defense.gov/open-source-software-faq/#Defining_Open_Source_Software_.28OSS.29)

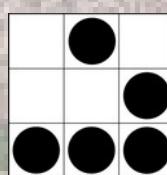
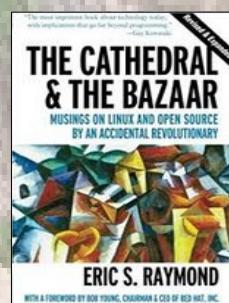


OSI's Definition: must include source code, must allow distribution, and must allow modifications and derived works.

[ibm.com/developerworks/library/os-cplfaq/](https://ibm.com/developerworks/library/os-cplfaq/)



# The road to Open Source



1964

*Originally customers did not pay for software or services separately from the very high price for leasing the hardware.*

*Software was provided at no additional charge, generally in source code form; services (systems engineering, education and training, system installation) were provided free of charge at the discretion of the IBM Branch office...*

Burton Grad, A Personal Recollection: IBM's Unbundling of Software and Services, IEEE Annals of the History of Computing, Vol. 24, No. 1 (Jan–Mar 2002), pp. 64–71.



# Charles W. Bachman

1965

National Medal of Science Technology and Innovation  
For fundamental inventions in database management,  
transaction processing, and software engineering.



*“I was also the first person to send software via a network...”  
“The sneaker net”*

# 1976

-2-

February 3, 1976

### An Open Letter to Hobbyists

To me, the most critical thing in the hobby market right now is the lack of good software courses, books and software itself. Without good software and an owner who understands programming, a hobby computer is wasted. Will quality software be written for the hobby market?

Almost a year ago, Paul Allen and myself, expecting the hobby market to expand, hired Monte Davidoff and developed Altair BASIC. Though the initial work took only two months, the three of us have spent most of the last year documenting, improving and adding features to BASIC. Now we have 4K, 8K, EXTENDED, ROM and DISK BASIC. The value of the computer time we have used exceeds \$40,000.

The feedback we have gotten from the hundreds of people who say they are using BASIC has all been positive. Two surprising things are apparent, however. 1) Most of these "users" never bought BASIC (less than 10% of all Altair owners have bought BASIC), and 2) The amount of royalties we have received from sales to hobbyists makes the time spent of Altair BASIC worth less than \$2 an hour.

Why is this? As the majority of hobbyists must be aware, most of you steal your software. Hardware must be paid for, but software is something to share. Who cares if the people who worked on it get paid?

Is this fair? One thing you don't do by stealing software is get back at MITS for some problem you may have had. MITS doesn't make money selling software. The royalty paid to us, the manual, the tape and the overhead make it a break-even operation. One thing you do do is prevent good software from being written. Who can afford to do professional work for nothing? What hobbyist can put 3-man years into programming, finding all bugs, documenting his product and distribute for free? The fact is, no one besides us has invested a lot of money in hobby software. We have written 6800 BASIC, and are writing 8080 APL and 6800 APL, but there is very little incentive to make this software available to hobbyists. Most directly, the thing you do is theft.

What about the guys who re-sell Altair BASIC, aren't they making money on hobby software? Yes, but those who have been reported to us may lose in the end. They are the ones who give hobbyists a bad name, and should be kicked out of any club meeting they show up at.

I would appreciate letters from any one who wants to pay up, or has a suggestion or comment. Just write me at 1180 Alvarado SE, #114, Albuquerque, New Mexico, 87108. Nothing would please me more than being able to hire ten programmers and deluge the hobby market with good software.

*Bill Gates*

Bill Gates  
General Partner, Micro-Soft

[https://piermarcobarbe.github.io/informatics\\_history\\_HCI\\_atelier\\_2015/html/hardware/MITS\\_Altair\\_8800.html](https://piermarcobarbe.github.io/informatics_history_HCI_atelier_2015/html/hardware/MITS_Altair_8800.html)



<https://apple2history.org/history/ah02/>

# PC vs. Mainframe

1981

"When we set the upper limit of PC-DOS at 640K,  
we thought nobody would ever need that much memory."

- Bill Gates, Chairman of Microsoft

- IBM: 62% share of the mainframe computer market in 1980.
- IBM PC, launched 1981.
- Gartner estimated of 100 largest data-processing companies, IBM had 41% of all revenue and 69% of profit
- IBM chose not to build a proprietary operating system or microprocessor: sourced from Microsoft & Intel (1985) leading to a new market: "PC compatibles".



IBM PC (Model 5150), 1981



Apple Macintosh, 1984



Commodore Amiga 1000, 1987

# 1989

## GNU's Four Essential Freedoms

A program is free software if the program's users have the four essential freedoms:

- The freedom to run the program as you wish, for any purpose (freedom 0).
- The freedom to study how the program works, and change it so it does your computing as you wish (freedom 1). Access to the source code is a precondition for this.
- The freedom to redistribute copies so you can help others (freedom 2).
- The freedom to distribute copies of your modified versions to others (freedom 3). Access to the source code is a precondition for this.



<https://www.gnu.org/philosophy/free-sw.en.html>



# 1991

Email: "...everybody/hobby..." "...minux..."  
"...free..." "...like GNU..." "...for 386/486..."

```
From: torvalds@klaava.Helsinki.FI (Linus Benedict Torvalds)
Newsgroups: comp.os.minix
Subject: What would you like to see most in minix?
Summary: small poll for my new operating system
Message-ID:
Date: 25 Aug 91 20:57:08 GMT
Organization: University of Helsinki
```

Hello everybody out there using minix -

I'm doing a (free) operating system (just a hobby, won't be big and professional like gnu) for 386(486) AT clones. This has been brewing since april, and is starting to get ready. I'd like any feedback on things people like/dislike in minix, as my OS resembles it somewhat (same physical layout of the file-system (due to practical reasons) among other things).

I've currently ported bash(1.08) and gcc(1.40), and things seem to work. This implies that I'll get something practical within a few months, and I'd like to know what features most people would want. Any suggestions are welcome, but I won't promise I'll implement them :-)

Linus (torvalds@kruuna.helsinki.fi)

PS. Yes - it's free of any minix code, and it has a multi-threaded fs. It is NOT protable (uses 386 task switching etc), and it probably never will support anything other than AT-harddisks, as that's all I have :-(.

...won't be big...

1997

**"Good programmers know what to write. Great ones know what to rewrite (and reuse)."**

"Every good work of software starts by scratching a developer's personal itch."

**"In fact, I think Linus' cleverest and most consequential hack was not the construction of the Linux kernel itself, but rather his invention of the Linux development model."**

"Treating your users as co-developers is your least-hassle route to rapid code improvement and effective debugging."

**"Given enough eyeballs, all bugs are shallow."**

# 1998



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#### 2.1. The Initial Developer Grant.

The Initial Developer hereby grants You a world-wide, royalty-free, nonexclusive license, subject to third party intellectual property claims:

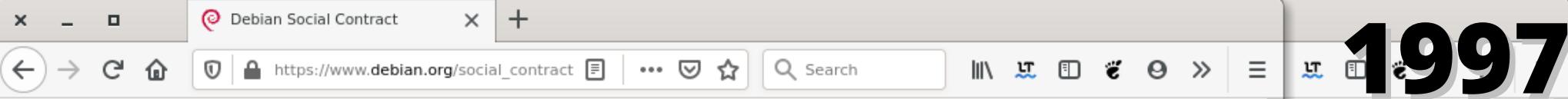
(a) to **use, reproduce, modify, display, perform, sublicense and distribute** the Original Code (or portions thereof) **with or without Modifications, or as part of a Larger Work;** and...

1998



The “open source” label was created at a strategy session held on February 3rd, 1998 in Palo Alto, California, shortly after the announcement of the release of the Netscape source code. The strategy session grew from a realization that the attention around the Netscape announcement had created an opportunity to educate and advocate for the superiority of an open development process.





# The Debian Free Software Guidelines (DFSG)

## 1. Free Redistribution

The license of a Debian component may not restrict any party from selling or giving away the software as a component of an aggregate software distribution containing programs from several different sources. The license may not require a royalty or other fee for such sale.

## 2. Source Code

The program must include source code, and must allow distribution in source code as well as compiled form.

## 3. Derived Works

1997

The license must allow modifications and derived works, and must allow them to be distributed under the same terms as the license of the original software.

## 4. Integrity of The Author's Source Code

The license may restrict source-code from being distributed in modified form **only** if the license allows the distribution of "patch files" with the source code for the purpose of modifying the program at build time. The license must explicitly permit distribution of software built from modified source code. The license may require derived works to carry a different name or version number from the original software. (*This is a compromise. The Debian group encourages all authors not to restrict any files, source or binary, from being modified.*)

## 5. No Discrimination Against Persons or Groups

The license must not discriminate against any person or group of persons.

## 6. No Discrimination Against Fields of Endeavor



1998

The Debian Project

**1. Free Redistribution**

The license of a program must allow free redistribution of the program as a component of an aggregate software distribution containing programs from several different sources. The license must permit relicensing of the program under the same terms.

**2. Source Code**

The program must include source code, and must allow distribution in source code as well as compiled form. Where some form of a product is not distributed with source code, there must be a well-publicized means of obtaining the source code for no more than a reasonable reproduction cost, preferably downloading via the Internet without charge. The source code must be the preferred form in which a programmer would modify the program. Deliberately obfuscated source code is not allowed. Intermediate forms such as the output of a preprocessor or translator are not allowed.

**3. Derived Works**

The license must allow modifications and derived works, and must allow them to be distributed under the same terms as the original software.

**4. Integrity of The Author's Source Code**

The license may restrict source-code from being distributed in modified form *only* if the license allows the distribution of "patch files" with the source code for the purpose of modifying the program at build time. The license must explicitly permit distribution of software built from modified source code. The license may require derived works to carry a different name or version number from the original software.

**5. No Discrimination Against Persons or Groups**

The license must not discriminate against any person or group of persons.

**6. No Discrimination Against Fields of Endeavor**

The Open Source Definition | <https://opensource.org/osd>

90%

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Founded in 1998, the Open Source Initiative **protects and promotes** open source software, development and communities, championing software freedom in society through education, collaboration, and infrastructure, stewarding the **Open Source Definition**, and preventing abuse of the **ideals and ethos** inherent to the open source movement.



# **ONLY, software distributed with an OSI Approved License should be labeled, “Open Source Software”**



## Popular Open Source Licenses

- Apache License 2.0
- BSD 3-Clause "New" or "Revised" license
- BSD 2-Clause "Simplified" or "FreeBSD" license
- GNU General Public License
- GNU Library or "Lesser" General Public License
- MIT license
- Mozilla Public License 2.0
- Common Development and Distribution License
- Eclipse Public License

## The License Review Process

- Ensure approved licenses conform to the Open Source Definition and provide software freedom
- Identify appropriate License Proliferation Category
- Discourage vanity and duplicative Licenses
- Ensure a thorough, transparent and timely review
- 509 members, License Discuss
- **263 members, License Review**
- 11 OSI Board Directors
- “Community of Consensus”

## December 2020 Archives by thread

Messages sorted by: [subject] [author] [date]  
• [Open Innovation License v2.0](#)  
• [More info on this list...](#)

Starting: *Thu Dec 10 01:56:25 UTC 2020*

Ending: *Wed Dec 30 03:36:03 UTC 2020*

Messages: 100

## May 2020 Archives by thread

Messages sorted by: [subject] [author] [date]  
• [Veto against “Unlicense”](#)  
• [More info on this list...](#)

Starting: *Fri May 8 21:01:22 UTC 2020*

Ending: *Tue May 19 12:05:24 UTC 2020*

Messages: 54

## March 2020 Archives by thread

Legacy Approval of the PHP License 3.01  
Messages sorted by: [subject] [author] [date]  
• [More info on this list...](#)

Starting: *Wed Mar 4 16:00:36 UTC 2020*

Ending: *Tue Mar 31 13:20:58 UTC 2020*

Messages: 94

## February 2020 Archives by thread

The Cryptographic Autonomy License (Beta 4)  
Messages sorted by: [subject] [author] [date]  
• [More info on this list...](#)

Starting: *Thu Feb 6 23:59:37 UTC 2020*

Ending: *Fri Feb 28 02:28:31 UTC 2020*

Messages: 63

## August 2019 Archives by thread

Legacy Approval: OpenLDAP Public License  
Messages sorted by: [subject] [author] [date]  
• [More info on this list...](#)  
The Cryptographic Autonomy License (Beta 2)

Starting: *Tue Aug 13 19:21:04 UTC 2019*

Ending: *Thu Aug 29 20:01:46 UTC 2019*

Messages: 146

## May 2019 Archives by thread

The Cryptographic Autonomy License  
Messages sorted by: [subject] [author] [date]  
• [More info on this list...](#)  
Legacy Approval: LBNL BSD

Starting: *Wed May 1 00:11:53 UTC 2019*

Ending: *Fri May 31 23:46:12 UTC 2019*

Messages: 155

## October 2018 Archives by thread

Serverside Public License (SSPL V.1)  
Messages sorted by: [subject] [author] [date]  
• [More info on this list...](#)

Starting: *Mon Oct 1 14:04:24 UTC 2018*

Ending: *Sat Oct 27 19:43:20 UTC 2018*

Messages: 233

## June 2018 Archives by thread

DOD/NOSA 2.0  
Messages sorted by: [subject] [author] [date]  
• [More info on this list...](#)

Starting: *Tue Jun 12 12:45:37 UTC 2018*

Ending: *Sun Jun 24 02:17:48 UTC 2018*

Messages: 135



# Choosing an OSS license doesn't need to be scary

Which of the following best describes your situation?



I want it simple and permissive.



I'm concerned about patents.



I care about sharing improvements.

StackExchange Search on Meta Stack Exchange... Log in Sign up

## META

Home Questions Tags Users

The MIT License – Clarity on Using Code on Stack Overflow and Stack Exchange Ask Question

Asked 5 years, 2 months ago Active 2 years, 9 months ago Viewed 94k times

Who came up with this scheme?

You can blame or optionally thank [Tim Post](#), [Britton Payne](#) and [Sam Brand](#) for this. They also had an enormous amount of help from the Open Source Initiative.

# tl;drLegal

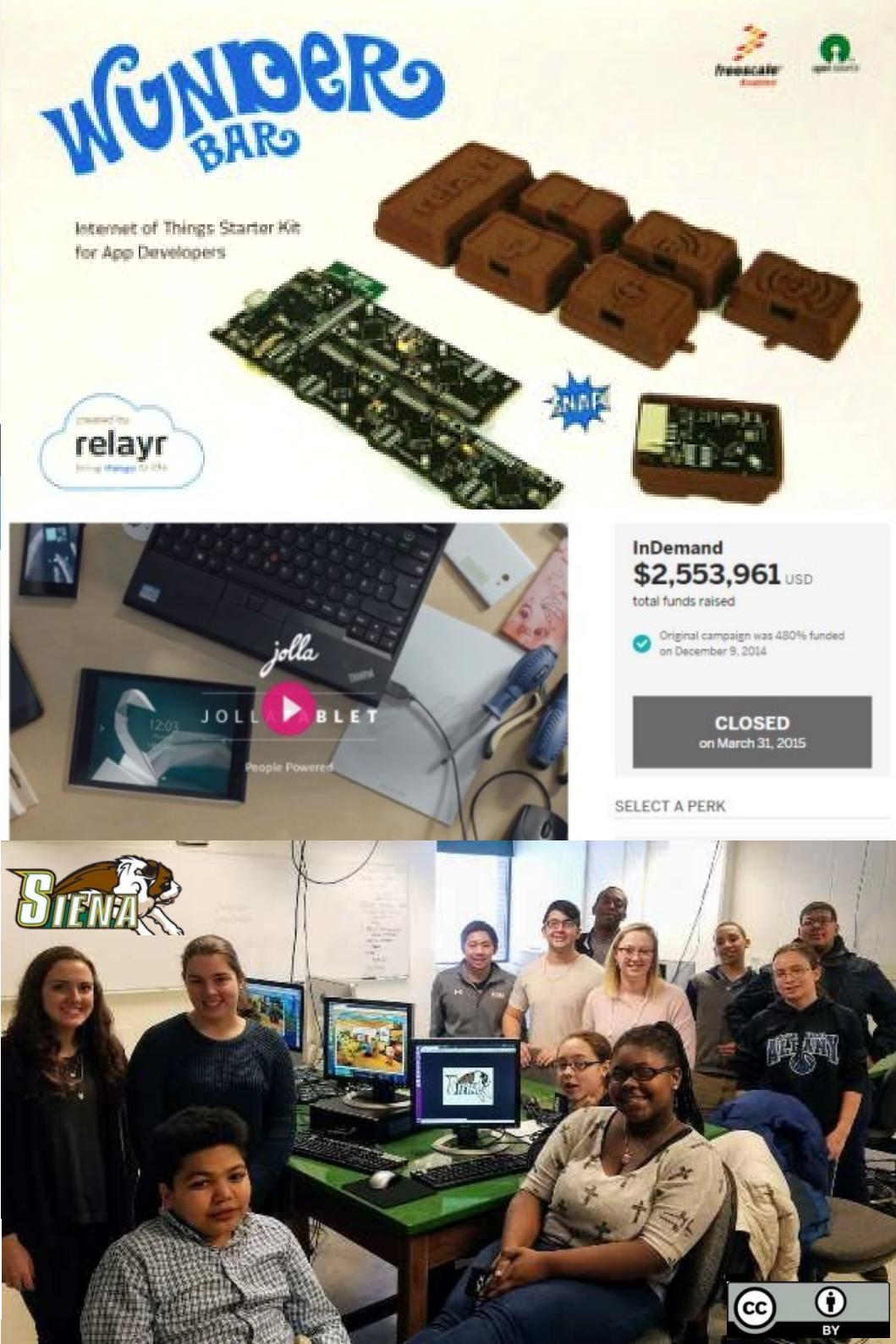
Lookup any software license shortly summarized in plain English.

mit

Lookup Donate

## Brandeis | Open Source Technology Management

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EXECUTIVE OFFICE OF THE PRESIDENT  
OFFICE OF MANAGEMENT AND BUDGET  
WASHINGTON, D.C. 20503

MEMORANDUM FOR THE HEADS OF DEPARTMENTS AND AGENCIES

FROM: Tony Scott  
United States Chief Information Officer

Anne E. Rung  
United States Chief Acquisition Officer

SUBJECT: Federal Source Code Policy: Achieving Efficiency, Transparency, and Innovation through Reusable and Open Source Software

IN THE  
**Supreme Court of the United States**  
\_\_\_\_\_  
GOOGLE LLC,  
ORACLE AMERICA, INC.,

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Secure: https://opensource.org

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**Open Source Initiative**

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A free & open Internet fosters open source software projects and communities.

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Learn about **Net Neutrality**, and how **changes in current rules** may affect your online activities. Net Neutrality protects free speech on the Internet.

"Title II" of the Communications Act provides the legal foundation for Net Neutrality and prevents Internet Service Providers from slowing down and blocking websites, or charging apps and sites extra fees to reach them.

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Bill S161-2015

Provides a maximum \$200 tax credit for taxpayer expenses associated with the development of open source and free software license programs

Provides a maximum \$200 tax credit for taxpayer expenses associated with the development of open source and free software license programs.

code\_

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WIR ED IRS Puts Open Source Projects Under Microscope, Spawns Nonprofit Black Hole

BUSINESS DESIGN ENTERTAINMENT GEAR SCIENCE SECURITY

ROBERT MCMILLAN 06.27.13 6:30 AM

# IRS PUTS OPEN SOURCE PROJECTS UNDER MICROSCOPE,

Elections Commission

Open Source Voting System Technical Advisory Co



# EU: Open Source Initiative approves European Union Public licence

Gijs HILLENIUS | Published on: 11/03/2009

## GOV.UK Service Manual

### Licensing your code

You should publish your code under an [Open Source Initiative compatible licence](#). For example, GDS uses the [MIT licence](#).

Governo Italiano



### Quebec government writes 3 open source licences

Submitted by [Gijs Hillenius](#) on January 05, 2015

( 5/5 | 1 votes | 687 reads |

The government of the Canadian province of Quebec is finalising three open source licences to make it easier for provincial public administrations to share software solutions. The licences should be available in the coming weeks.





## OS X El Capitan

To continue installing the software, you must agree to the terms of the software license agreement.

ENGLISH

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5:48

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# Relevant licensing for software...

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## Patent License

## Trademark License

# What is a license?

- Noun: ***permissions*** from an authority to own or use something, do a particular thing, or carry on a trade.
- Verb: grant ***permission*** to (someone or something) to use something or to allow an activity to take place.
- A typical software license **grants** the licensee, typically an **end-user**, **permission** to **use** one or more copies of software in ways where such a use would otherwise potentially constitute copyright infringement of the software owner's exclusive rights under copyright. The license also defines the **responsibilities** of the parties entering into the license agreement and may impose **restrictions** on how the software can be used.

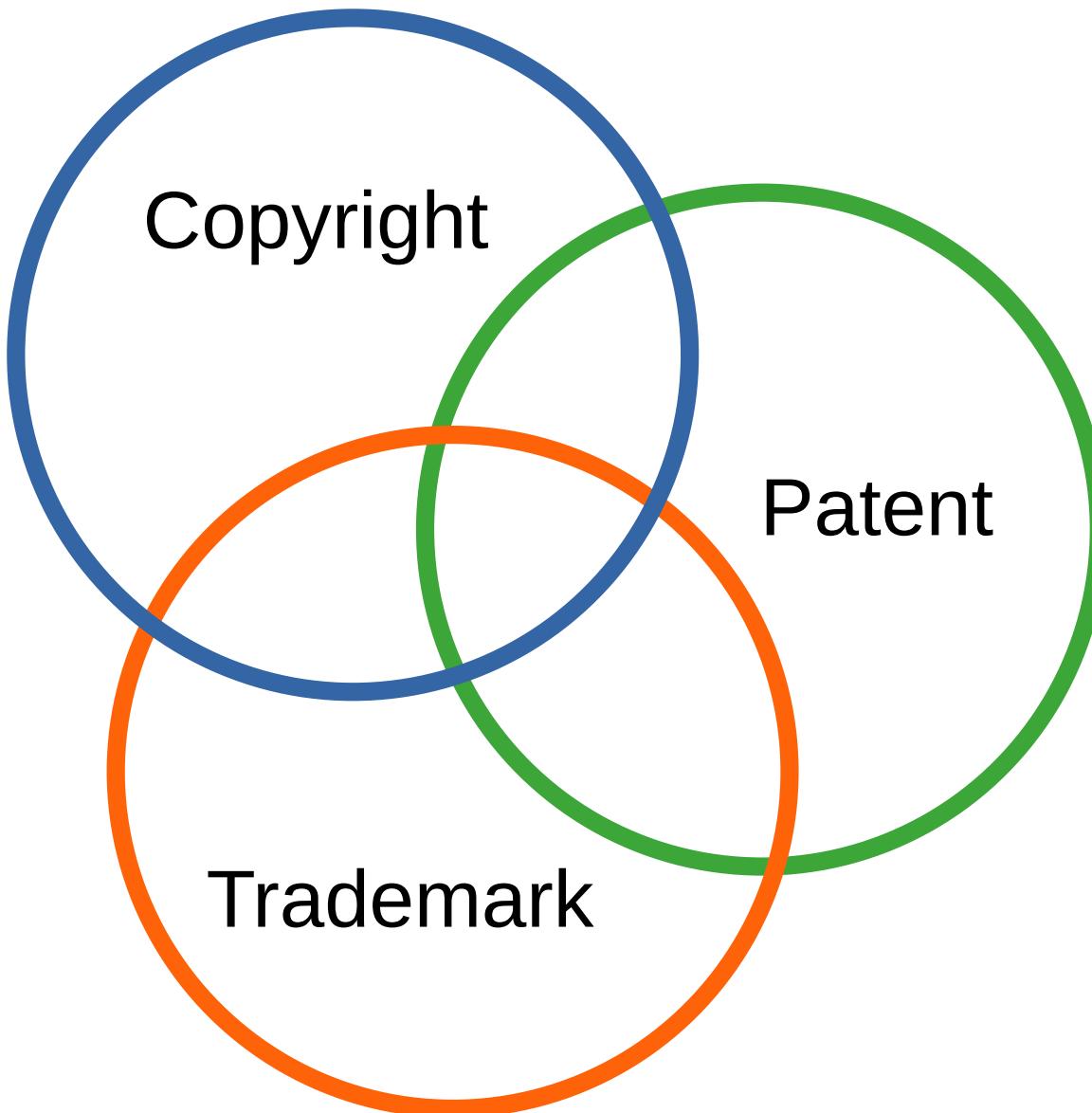
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- Duration: How long will the license be?
- Renewal: Are there conditions for renewing?
- Conditions of use: Are there standards to be met?
- Indemnification: How are parties protected against liabilities?
- Audit: How is the license terms enforced?
- IP Protection: How will parties preserve exclusivity?
- Warranties: What protections are in place?
- Payment: How much will this cost?
- Infringement: What are the penalties for violations?

# What is software..what is licensed?

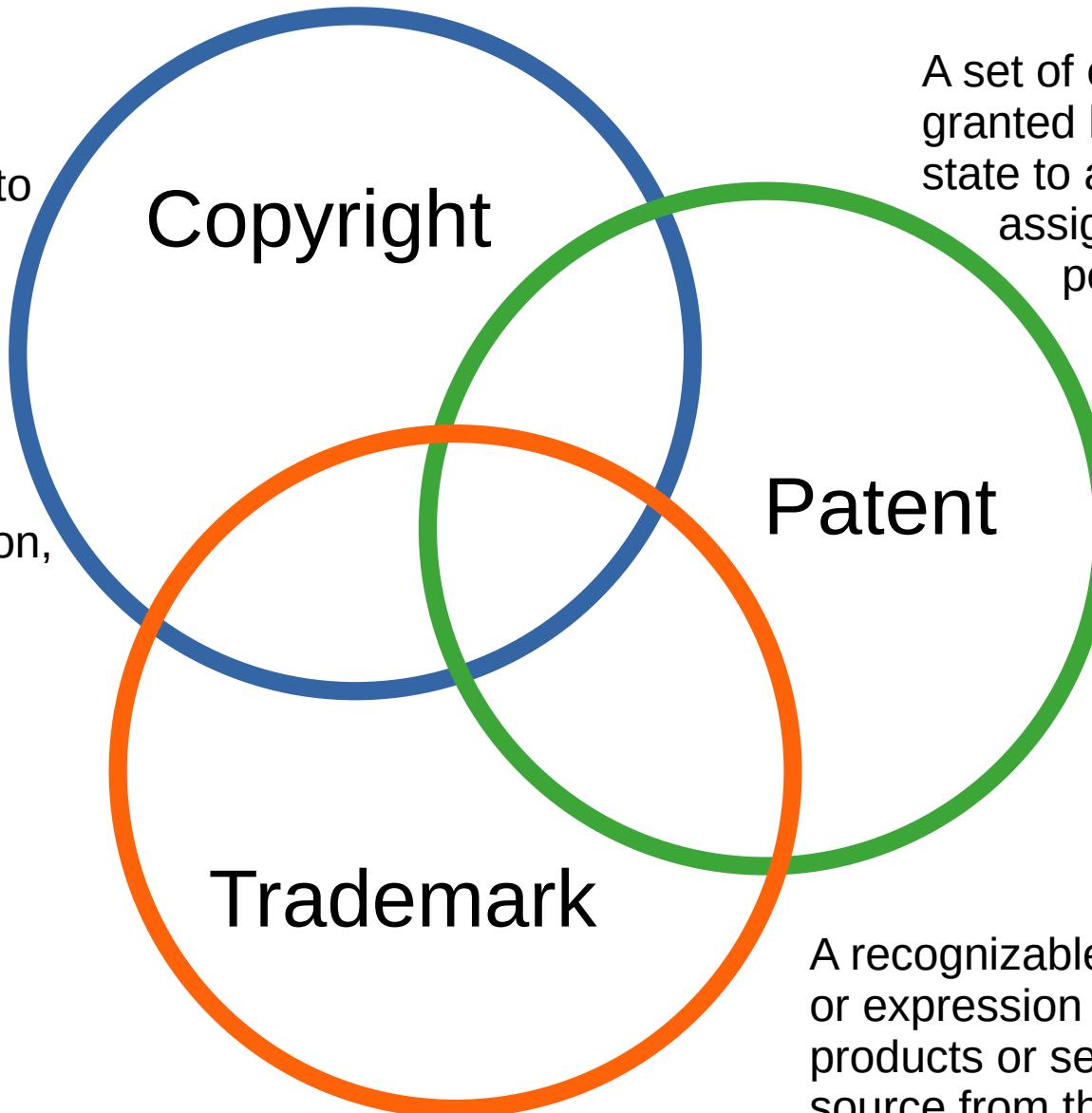
- Software described in terms of ownership,  
i.e. Intellectual Property
  - Code (the original text of the author)
  - Content (included or derived, e.g. images or data)
  - Patents (“novel” functionality/technologies)
  - Trademarks (symbols, word, or words  
representing a company or product)

# IP Fundamentals



# IP Fundamentals

Form of intellectual property, applicable to any expressed representation of a creative work, that grants the creator of an original work exclusive rights to its use and distribution, usually for a limited time.



A set of exclusive rights granted by a sovereign state to an inventor or assignee for a limited period of time in exchange for detailed public disclosure of an invention.

Patent

Trademark

A recognizable sign, design, or expression which identifies products or services of a particular source from those of others

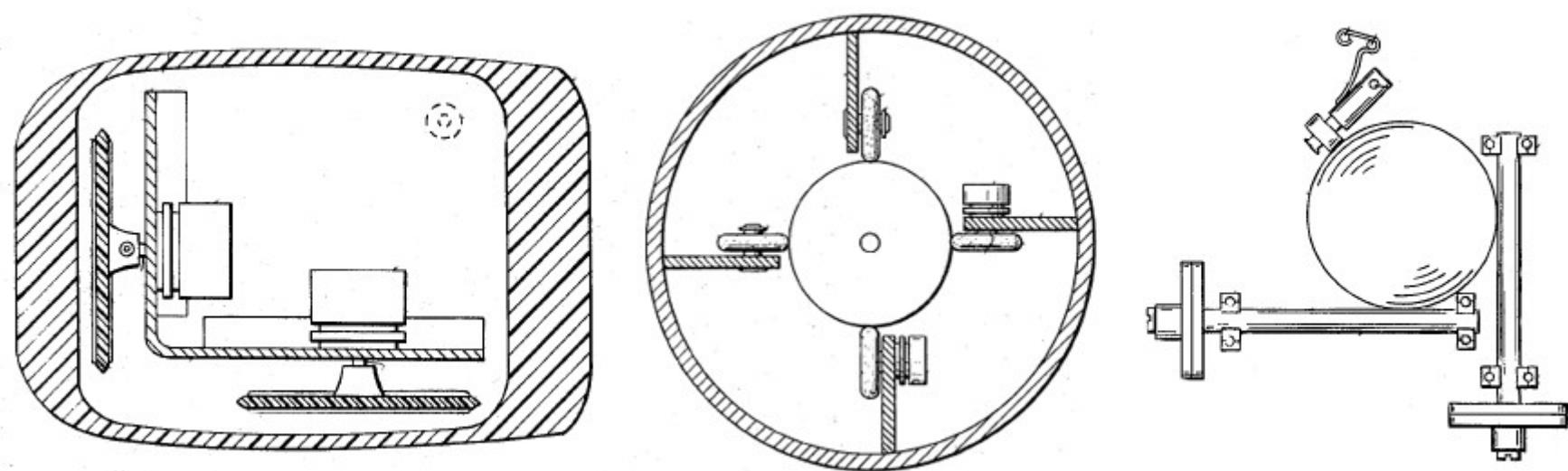
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<https://commons.wikimedia.org/wiki/File:Copyright-loupe.jpg>



<https://commons.wikimedia.org/wiki/File:Mouse-patents-englebart-rid.png>

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# HAPPY BIRTHDAY TO YOU

SATB, accompanied

Words and Music by  
MILDRED J. HILL and PATTY S. HILL  
Arranged by RUSSELL ROBINSON

Easy swing  $\text{♩} = 128$  ( $\text{♩} = \frac{2}{3} \text{♪}$ ) *mf*

*mf*

*f*

*cresc.*

*cresc.*

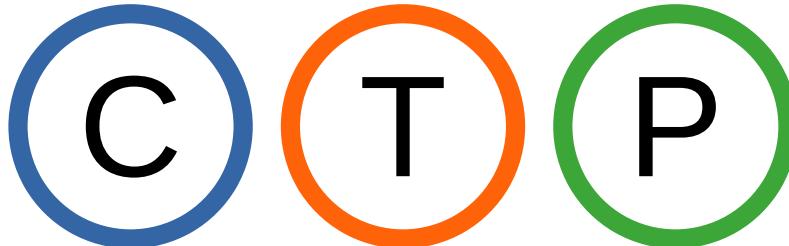
C

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1. Take a telephone call from patient
2. Record patient info in a patient file
3. Send patient information to a doctor, ask the doctor if she wants to talk to the patient
4. Call the patient back and transfer the call to the doctor
5. Record the call
6. Add the recorded call to the patient file and send to doctor
7. Do steps a. – f. with a computer.

<https://www.eff.org/deeplinks/2014/07/inaugural-stupid-patent-month>



C

The screenshot shows the header of a news article from The New York Times. At the top left is the 'The New York Times' logo. To its right is the 'Business Day' logo, followed by 'Technology'. A search bar with the placeholder 'Search All NYTimes.com' and a 'Go' button are on the far right. Below the header is a horizontal menu bar with links: WORLD, U.S., N.Y. / REGION, BUSINESS, TECHNOLOGY, SCIENCE, HEALTH, SPORTS, OPINION, ARTS, STYLE, TRAVEL, JOBS, REAL ESTATE, and AUTOS.

T

## New Economy: Open-Source Movement Advances

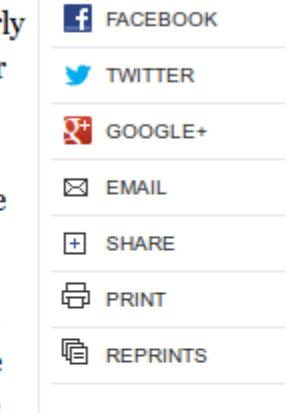
By LAURIE J. FLYNN

Published: June 4, 2001

AS the philosophical leader of the free-software movement for nearly 20 years, Richard M. Stallman has often found himself at the center of debate — sometimes even the object of it. Last week, he fired the latest round in a war of words that had erupted a few weeks earlier between Microsoft on the one hand, and the backers of open-source and free software on the other.

Open source refers to a method of software development in which a program's basic instructions — its source code — are freely available to anyone who wants to tinker with and, ideally, improve them. The result, according to open-source advocates, is better software that is developed faster. Emblematic of the movement is GNU-Linux, the open-source operating system that has emerged as a competitor to Windows.

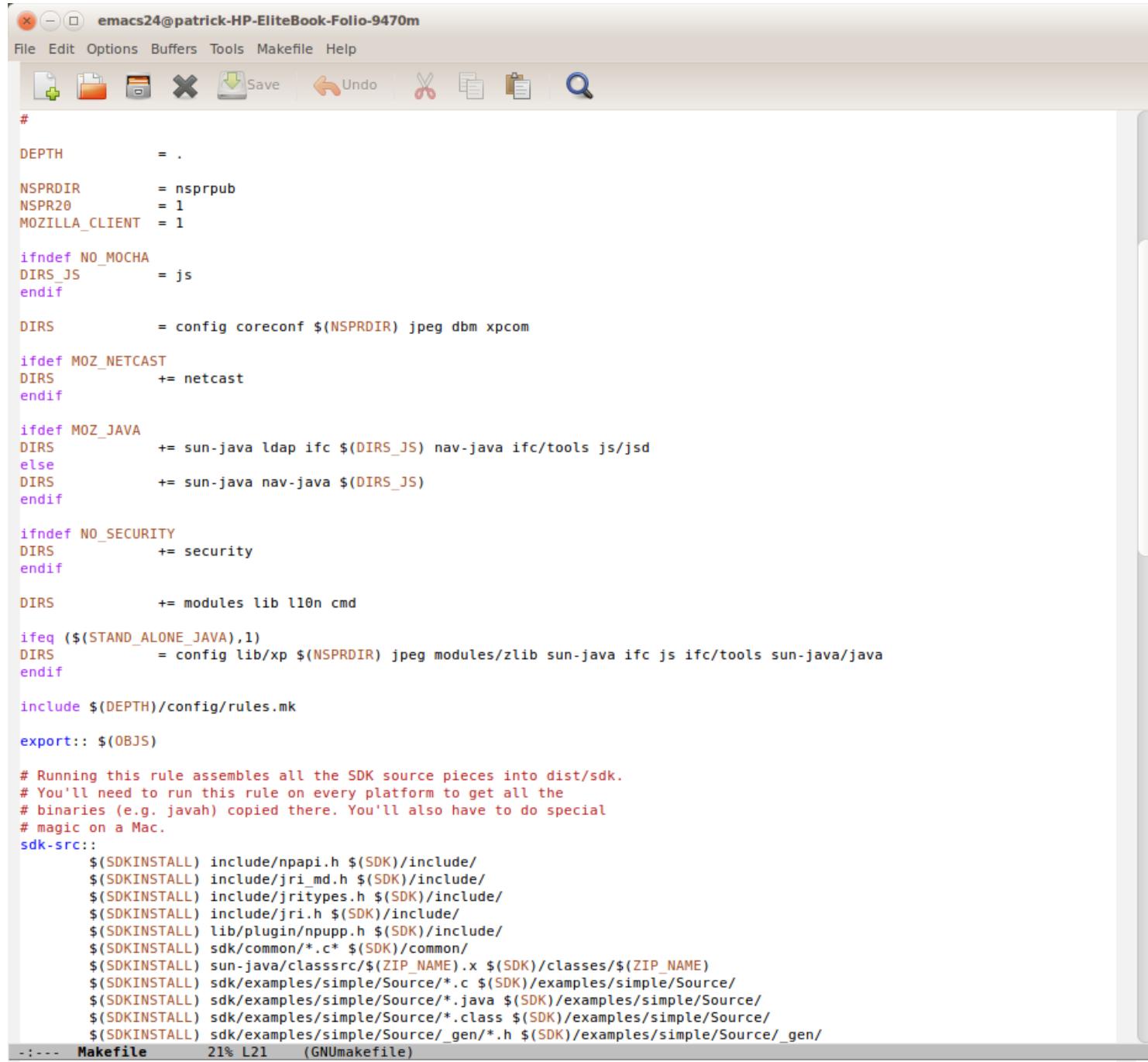
The free-software movement, espoused by the Free Software Foundation, which Mr. Stallman has led since 1984, is far more ideological than the open-source philosophy. Free-software proponents argue that users should be free to run, copy, distribute, study, change and improve the software they use. Mr. Stallman's detractors have accused him of being everything from a communist to a thief.



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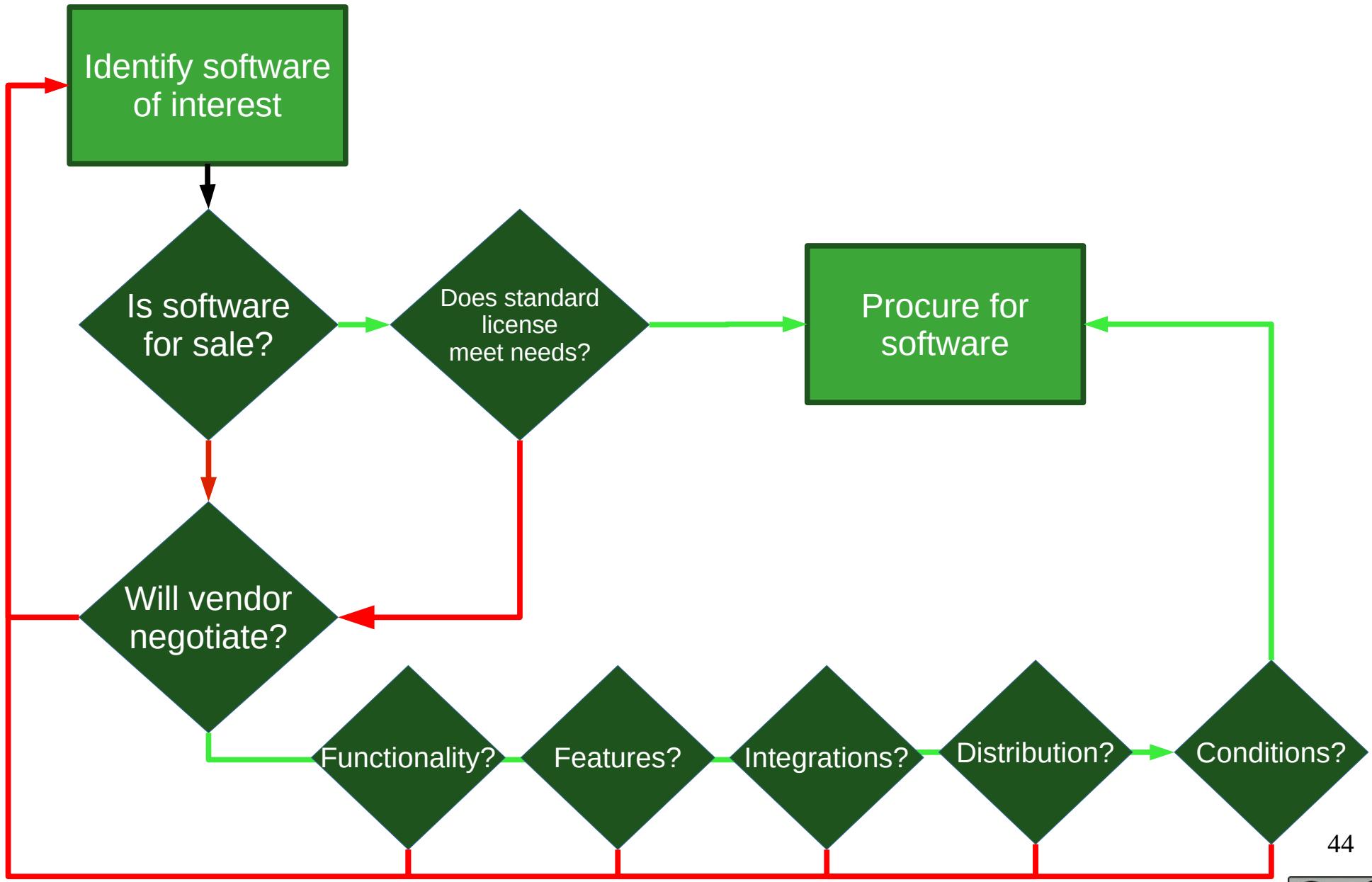


The screenshot shows an Emacs window titled "emacs24@patrick-HP-EliteBook-Folio-9470m". The window displays a Makefile for the Mozilla nspr library. The code includes definitions for DEPTH, NSPRDIR, NSPR20, MOZILLA\_CLIENT, and various conditional blocks for NO\_MOCHA, MOZ\_NETCAST, MOZ\_JAVA, and NO\_SECURITY. It also defines DIRS for coreconf, netcast, security, and modules/lib/l10n/cmd. A rule for stand-alone Java is defined, and a comment explains the purpose of the sdk-src:: rule. The file ends with a Makefile header.

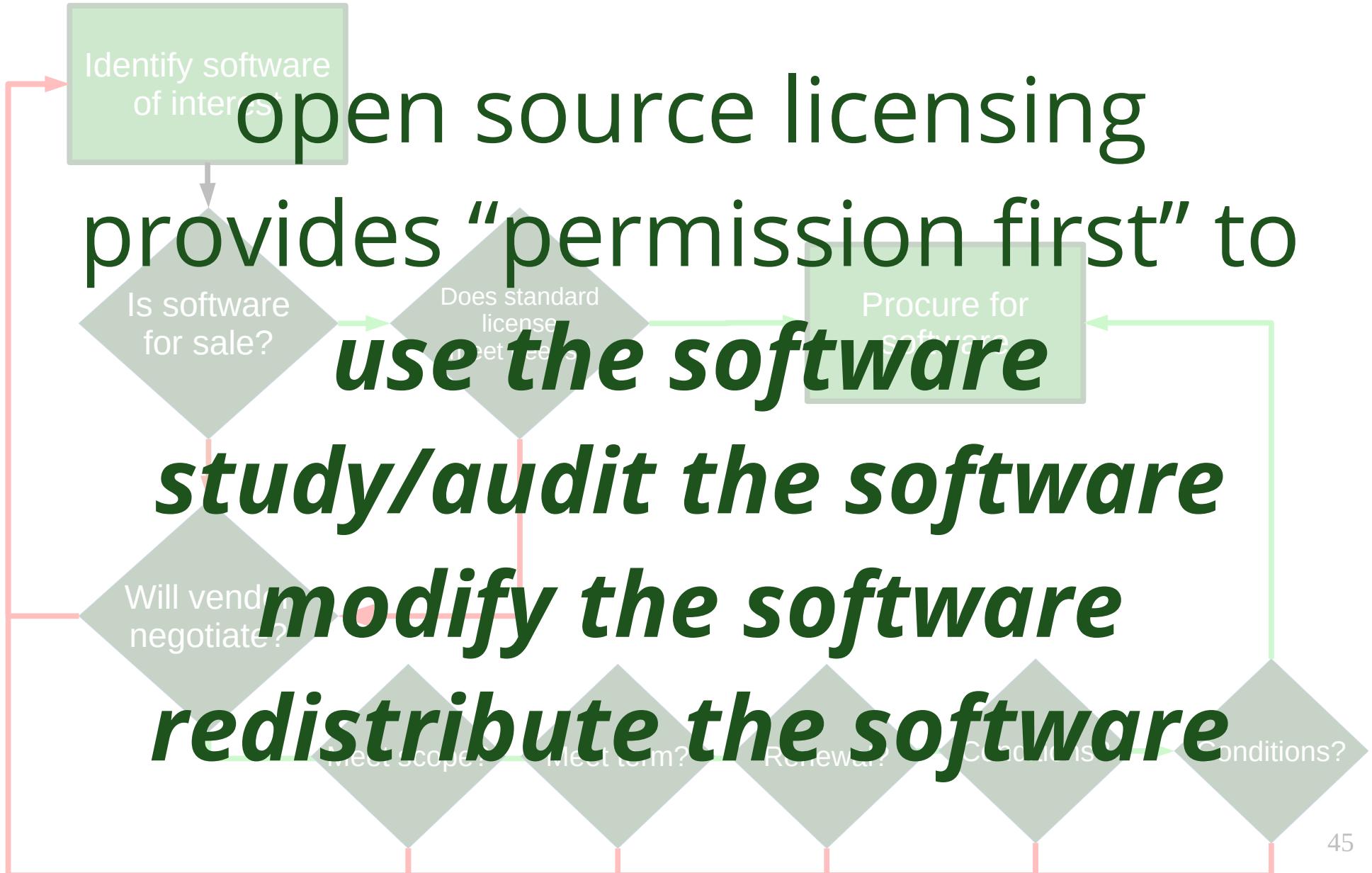
```
#  
  
DEPTH      = .  
  
NSPRDIR    = nsprpub  
NSPR20     = 1  
MOZILLA_CLIENT = 1  
  
ifndef NO_MOCHA  
DIRS_JS    = js  
endif  
  
DIRS       = config coreconf $(NSPRDIR) jpeg dbm xpcom  
  
ifdef MOZ_NETCAST  
DIRS      += netcast  
endif  
  
ifdef MOZ_JAVA  
DIRS      += sun-java ldap ifc $(DIRS_JS) nav-java ifc/tools js/jsd  
else  
DIRS      += sun-java nav-java $(DIRS_JS)  
endif  
  
ifndef NO_SECURITY  
DIRS      += security  
endif  
  
DIRS      += modules lib l10n cmd  
  
ifeq ($(STAND_ALONE_JAVA),1)  
DIRS      = config lib/xp $(NSPRDIR) jpeg modules/zlib sun-java ifc js ifc/tools sun-java/java  
endif  
  
include $(DEPTH)/config/rules.mk  
  
export:: $(OBJS)  
  
# Running this rule assembles all the SDK source pieces into dist/sdk.  
# You'll need to run this rule on every platform to get all the  
# binaries (e.g. javah) copied there. You'll also have to do special  
# magic on a Mac.  
sdk-src::  
    $(SDKINSTALL) include/npapi.h $(SDK)/include/  
    $(SDKINSTALL) include/jri_md.h $(SDK)/include/  
    $(SDKINSTALL) include/jritypes.h $(SDK)/include/  
    $(SDKINSTALL) include/jri.h $(SDK)/include/  
    $(SDKINSTALL) lib/plugin/npupp.h $(SDK)/include/  
    $(SDKINSTALL) sdk/common/*.* $(SDK)/common/  
    $(SDKINSTALL) sun-java/classsrc/$(ZIP_NAME).x $(SDK)/classes/$(ZIP_NAME)  
    $(SDKINSTALL) sdk/examples/simple/Source/*.c $(SDK)/examples/simple/Source/  
    $(SDKINSTALL) sdk/examples/simple/Source/*.java $(SDK)/examples/simple/Source/  
    $(SDKINSTALL) sdk/examples/simple/Source/*.class $(SDK)/examples/simple/Source/  
    $(SDKINSTALL) sdk/examples/simple/Source/_gen/*.h $(SDK)/examples/simple/Source/_gen/  
- :--- Makefile 21% L21 (GNUmakefile)
```

Benefits of open source software  
are dependent on open source licenses.

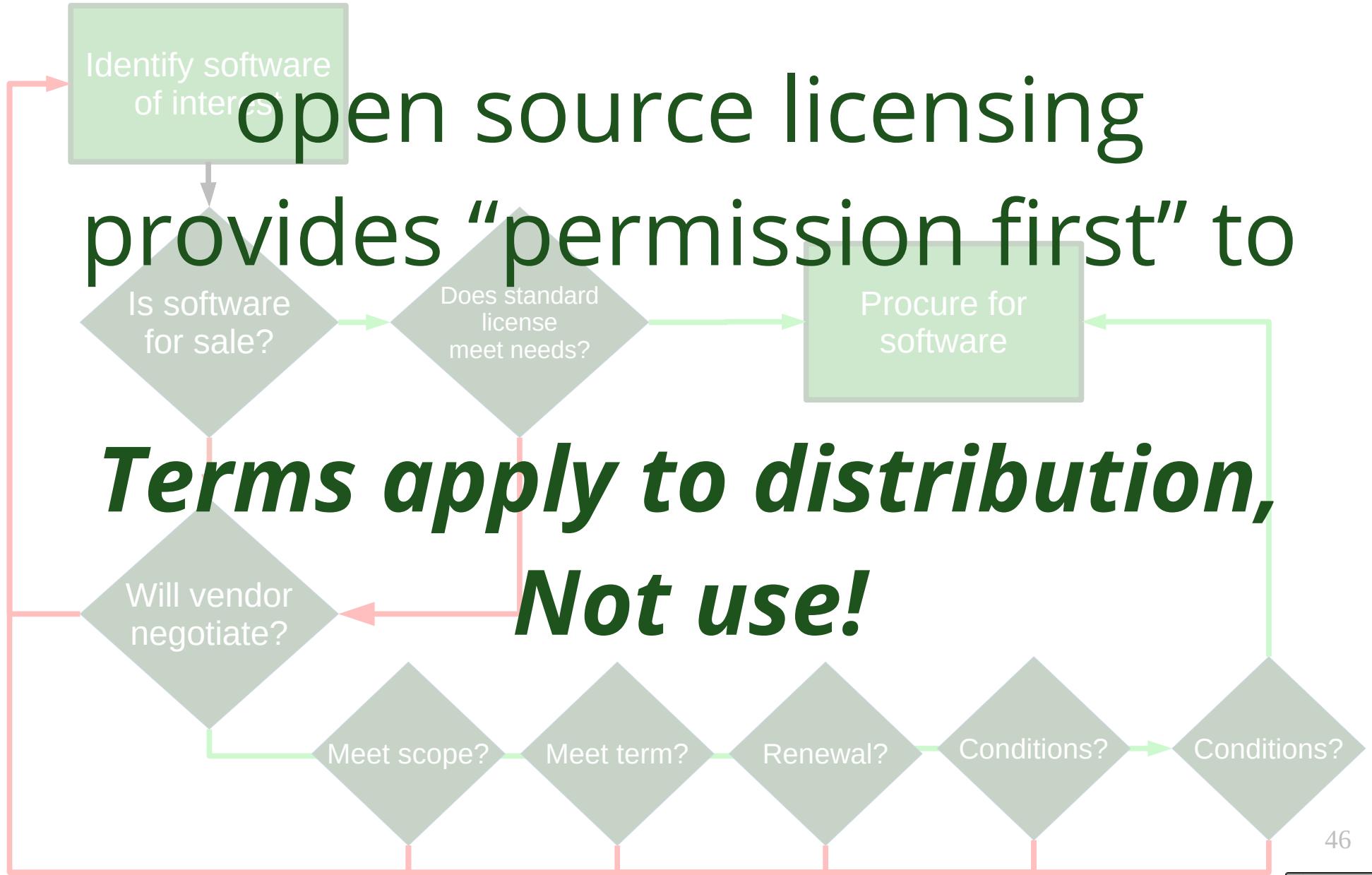
# Traditional Procurement Process



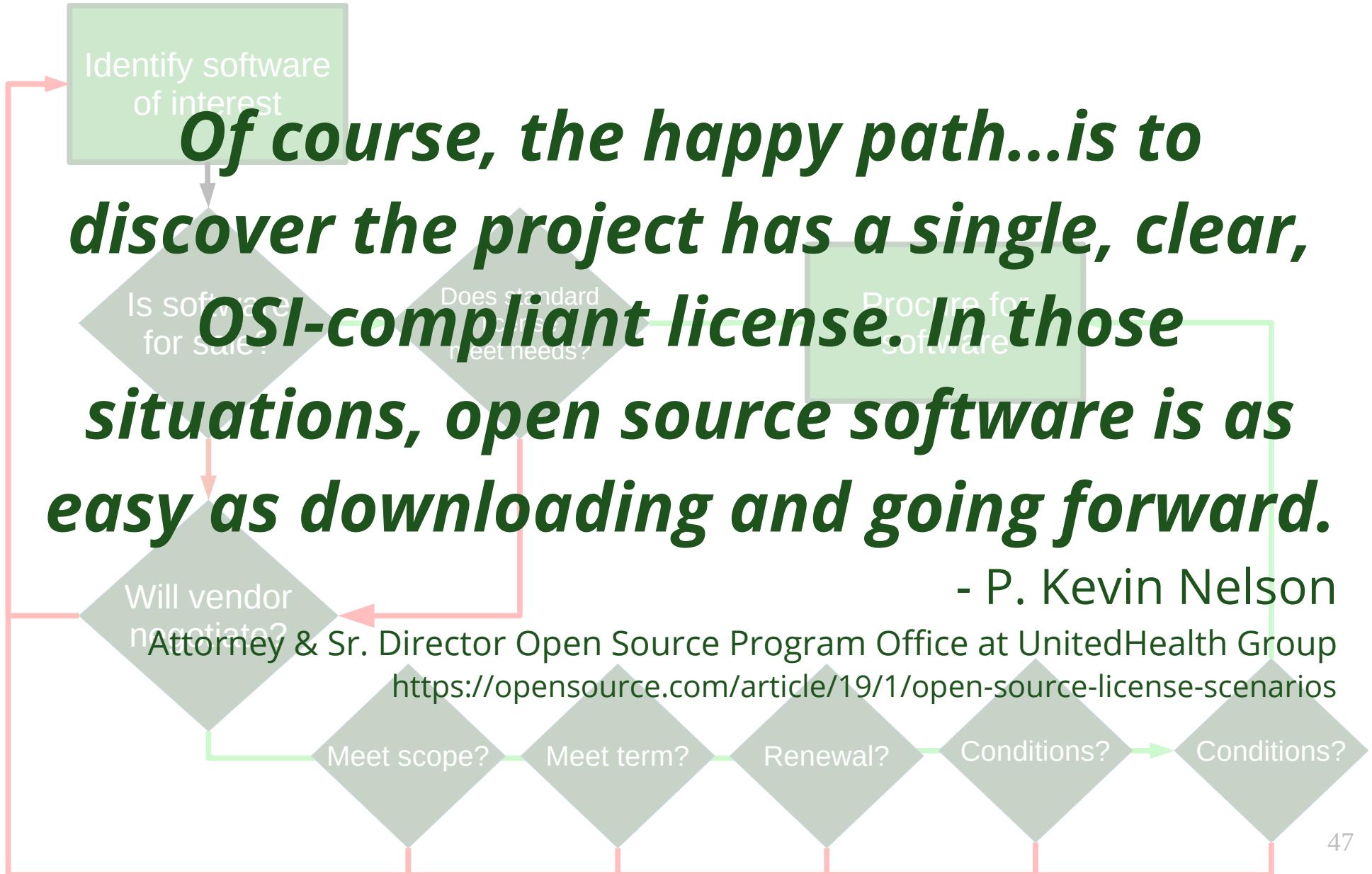
# Licensing Process



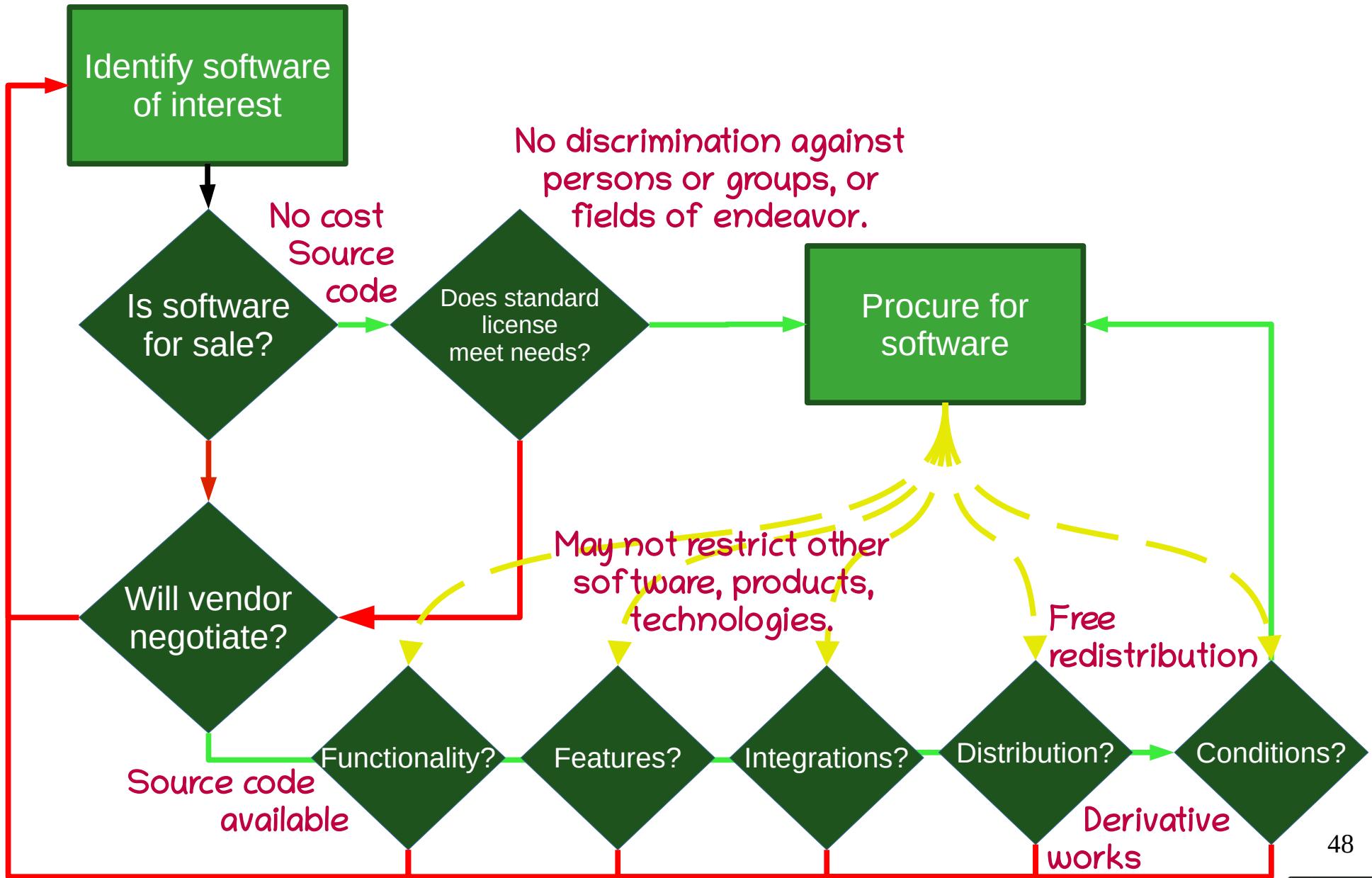
# Licensing Process



# Licensing Process



# Traditional Procurement Process



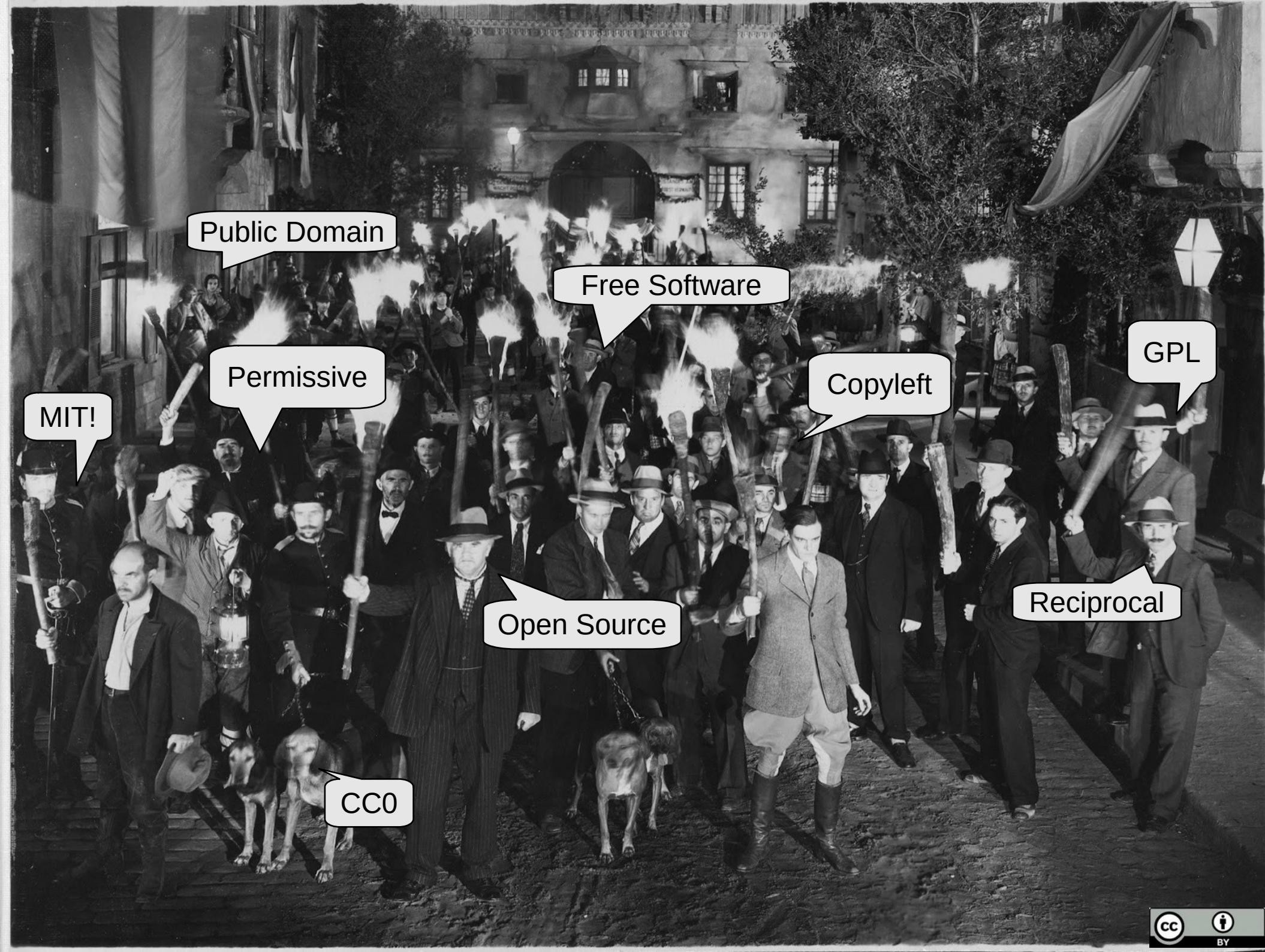
# Terms a license, Considering OSD

- Scope: Anyone for any purpose with any technology.
- Duration: in perpetuity (not copyright holder).
- Renewal: See above.
- Conditions of use: Must include license, authorship, trademarks.  
NOTE: Copyleft vs. Permission licenses (more to come...)
- Indemnification: “As is.”
- Audit: Source code must be made available, license must be included.
- IP Protection: Patent clauses (permissions) may be included.
- Warranties: “As is.”
- Payment: While all open source software is available at no cost, services may be sold in support (installation, maintenance, etc.)
- Infringement: Applicable law to your jurisdiction (like any other license)<sub>49</sub>

# Benefits of open source?

- **Customizable** – Ability to modify base level functionality to meet unique local needs
- **Participate in project governance:** anyone can contribute to defining the direction of the project: technical aspects, functionality/features priorities, decision-making, community practice, etc.
- **Organizational audibility:** ability to assess how well the open source community, project and governance is aligned with local (adopting organization's) needs/goals/expectations.
- **Community audibility:** ability to assess what the level of shared knowledge and experience is within the community; number of participants, contributors and committers there are in the project; what the level of adoption/deployments is.
- **Business process audibility:** ability to evaluate how needs are identified and assessed, how work is prioritized, what the workflows and practices are, etc.
- **Technical audibility:** ability to assess quality of code, architecture, development practices, etc.
- **Reduced development time:** more contributors and contributions to solve problems, write code, test enhancements, document versions, etc.
- **Avoid vendor lock-in:** not tied to, and controlled by any third party and their direction, interests, plans, migrations, enhancements, upgrades, sunsetting, integrations, dependencies, etc.
- **Broader support options:** options range from local internal resources, to communities of practice, and multiple commercial vendors rather than a single commercial provider (the developer)
- **Greater security:** vulnerabilities can be discovered more quickly (the more folks with access to the code, the more likely issues are to be discovered) with the best solutions applied to address issues (more folks involved can offer a greater variety of approaches, ideas solutions)
- **Faster implementation:** no procurement process
- **Higher quality:** meritocracy (best approach) is implemented
- **Mitigates longterm risk:** no chance of discontinuing development/support due to purchase, or a new version ( and thus forced migration to stay up to date with support/service contracts)
- **Higher reliability:** bugs will be discovered and fixed more quickly (see, greater security)
- **Business/operations continuity:** local organizational operations and practices are not disrupted through forced timelines for migrations, upgrades, enhancements etc.
- **Professional (personal and organizational) development opportunities:** individuals can gain experience through participation and organizations can gain prestige through contribution.
- **Try before you buy (Test drive):** assess one, or many, options, before investing.
- **Multiple instances (no per copy fees):** can extend use on demand without additional costs or contract negotiations.
- **Reduced acquisition costs:** no licensing fees
- **Emphasizes concepts, not products:** end users are not tied to branded or copyrighted features, workflows, tools.
- **Breaks the hardware upgrade cycle:** open source software is often designed to require less resource intensive hardware.
- **Community access:** ability to meet and network with like minded people and organizations-peers.
- **Standards based:** provides greater integration and interoperability (no proprietary specifications)
- **Standards setting:** participants are often directly involved in the development of new standards, or learn of them first.
- **Lower total cost of ownership (cumulative of other benefits):** no licensing fees, no procurement process, competitive support contracts (even none with internal), no forced SP upgrades, re-purposed legacy hardware, greater scaling





MIT!

Public Domain

Permissive

Free Software

Open Source

CC0

Copyleft

Reciprocal

GPL



BY

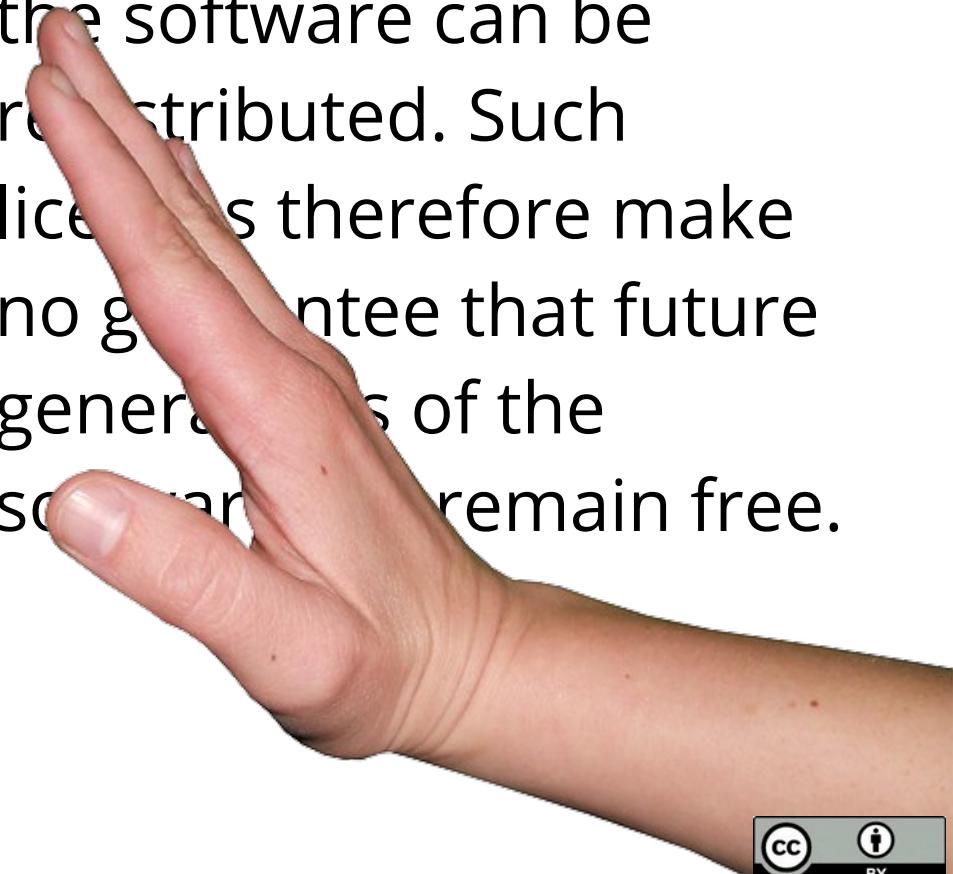
# Copyleft & Permissive Licenses

- Copyleft is a general method for making a program ***free***, and requiring all modified and extended versions of the program to be ***free*** as well.
- A permissive license prescribes minimal requirements about how the software can be redistributed. Such licenses therefore make no guarantee that future generations of the software will remain ***free***.

# Copyleft & Permissive Licenses?

- Copyleft is a general method for making a program free, and requiring all modified and extended versions of the program to be free as well.

- A permissive license prescribes minimal requirements about how the software can be redistributed. Such licenses therefore make no guarantee that future generations of the software will remain free.



*“Unquestionably one of the great seminal figures of the hacker culture.”*

—Eric Raymond, open source evangelist and author of *The Cathedral and the Bazaar*

# FREE AS IN FREEDOM

## RICHARD STALLMAN'S CRUSADE FOR FREE SOFTWARE



SAM WILLIAMS

“The terms “free software” and ‘open source’ stand for almost the same range of programs.”

- Richard Stallman

“We in the free software movement don't think of the open source camp as an enemy; the enemy is proprietary (nonfree) software.”

- Richard Stallman

“Nearly all open source software is free software.”

- Richard Stallman

“The official definition of ‘open source software’ (which is published by the Open Source Initiative) was derived indirectly from our criteria for free software.”

- Richard Stallman

<https://www.gnu.org/philosophy/open-source-misses-the-point.html>

# Copyleft & Permissive Licenses

***All provide software freedom***

## Copyleft

General Public  
License (GPL)  
Affero GPL (AGPL)

## Lesser

Eclipse (EPL)  
Mozilla (MPL)  
Lesser GPL (LGPL)

## Permissive

Apache  
BSD  
MIT

Public Domain

# Derivative Works

A “derivative work” is a work based upon one or more preexisting works, such as a translation, musical arrangement, dramatization, fictionalization, motion picture version, sound recording, art reproduction, abridgment, condensation, or any other form in which a work may be recast, transformed, or adapted.

A work consisting of editorial revisions, annotations, elaborations, or other modifications which, as a whole, represent an original work of authorship, is a "derivative work".

# Derivative Works

If you create a derivative work from code distributed under a “**Copyleft**” license, you must honor the reciprocity provision and publish the source code of your derivative works that you distribute.

If you create a derivative work from code distributed under a “**Permissive**” license little more than attributing the original portions of the licensed code to the original developers in your own code and/or documentation is required.

(remember, this **only** applies upon distribution)

# tl;dr Legal

MIT License (Expat) Explored

<https://tldrlegal.com/license/mit-license>

tl;drLegal Lookup Code Licenses, EULAs, ToS & Software Licenses

Browse Submit Pages Sign Up Log In

MIT License (Expat) ✓

Code License managed by kevin, submitted 20 months ago. #Open Source #OSI-Approved #Permissive

Summary Fulltext Changesets 107319

## Quick Summary

Edit

A short, permissive software license. Basically, you can do whatever you want as long as you include the original copyright and license notice in any copy of the software/source. There are many variations of this license in use.

Can	Cannot	Must
<ul style="list-style-type: none"><li>▶ Commercial Use</li><li>▶ Modify</li><li>▶ Distribute</li><li>▶ Sublicense</li><li>▶ Private Use</li></ul>	<ul style="list-style-type: none"><li>▶ Hold Liable</li></ul>	<ul style="list-style-type: none"><li>▶ Include Copyright</li><li>▶ Include License</li></ul>

⚠ Disclaimer: This is only a short summary of the Full Text. No Information on TLDRLegal is legal advice.

feedback



# tl;dr Legal

GNU General Public License

<https://tldrlegal.com/license-gnu-general-public-license-v3-gpl-3>

tl;drLegal Lookup Code Licenses, EULAs, ToS & Software Licenses

Browse Submit Pages Sign Up Log In

GNU General Public License v3 (GPL-3) ✓

Code License managed by kevin, submitted 20 months ago. #Copyleft #GNU #OSI-Approved #Open Source

Summary Fulltext Changesets 84577

## Quick Summary

Edit

You may copy, distribute and modify the software as long as you track changes/dates in source files. Any modifications to or software including (via compiler) GPL-licensed code must also be made available under the GPL along with build & install instructions.

Can	Cannot	Must
<ul style="list-style-type: none"><li>▶ Commercial Use</li><li>▶ Modify</li><li>▶ Distribute</li><li>▶ Place Warranty</li><li>▶ Use Patent Claims</li></ul>	<ul style="list-style-type: none"><li>▶ Sublicense</li><li>▶ Hold Liable</li></ul>	<ul style="list-style-type: none"><li>▶ Include Original</li><li>▶ State Changes</li><li>▶ Disclose Source</li><li>▶ Include License</li><li>▶ Include Copyright</li><li>▶ Include Install Instructions</li></ul>



## Quick Summary

 Edit

A short, permissive software license. Basically, you can do whatever you want as long as you include the original copyright and license notice in any copy of the software/source. There are many variations of this license in use.

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▶ Commercial Use 	▶ Hold Liable 	▶ Include Copyright 
▶ Modify 		
▶ Distribute 		
▶ Sublicense 		
▶ Private Use 		

## GPL

## Quick Summary

 Edit

You may copy, distribute and modify the software as long as you track changes/dates in source files. Any modifications to or software including (via compiler) GPL-licensed code must also be made available under the GPL along with build & install instructions.

Can	Cannot	Must
▶ Commercial Use 	▶ Sublicense 	▶ Include Original 
▶ Modify 	▶ Hold Liable 	▶ State Changes 
▶ Distribute 		▶ Disclose Source 
▶ Place Warranty 		▶ Include License 
▶ Use Patent Claims 		▶ Include Copyright 
		▶ Include Install Instructions 

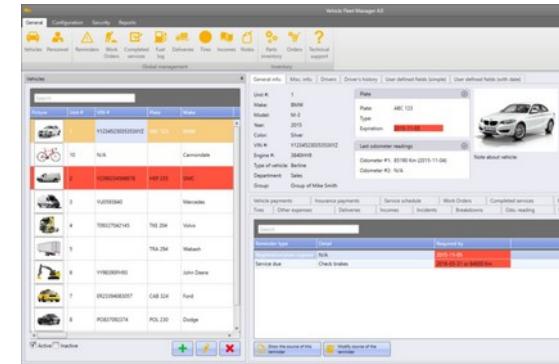
# Is Public Domain Free and/or Open Source?

# Is Public Domain Free and/or Open Source?

“From a legal perspective, the public domain is the space where no intellectual property rights exist. This means that works in the public domain may be used without any restrictions whatsoever.”

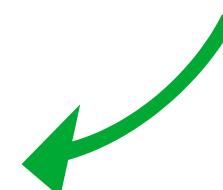
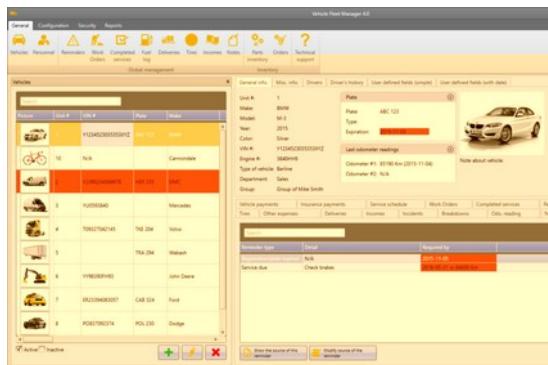
- Timothy Vollmer  
Creative Commons

<https://creativecommons.org/2017/01/16/public-domain-5-things-not-covered-copyright/>



# Is Public Domain

# Free and/or Open Source?



# Which License is Best?

“constitutions of communities” - Eben Moglen

“express the consensus of how a community chooses to collaborate” - Simon Phipps

It is natural that different communities will have different licenses, that communities with different norms will find fault with the licenses used by others, and that all will regard their way as optimum.

# Licensing Strategies

Foster continued development:  
I, and you, benefited from open source software,  
we will benefit if they contribute too.

Foster distribution of code:  
If everyone relies on my work,  
We all will be committed to continue development.  
“broader adoption == more powerful and reliable”

# Licensing Philosophies

“The two terms [*Free* and *Open Source Software*] describe almost the same category of software, but they stand for views based on fundamentally different values.” - RMS

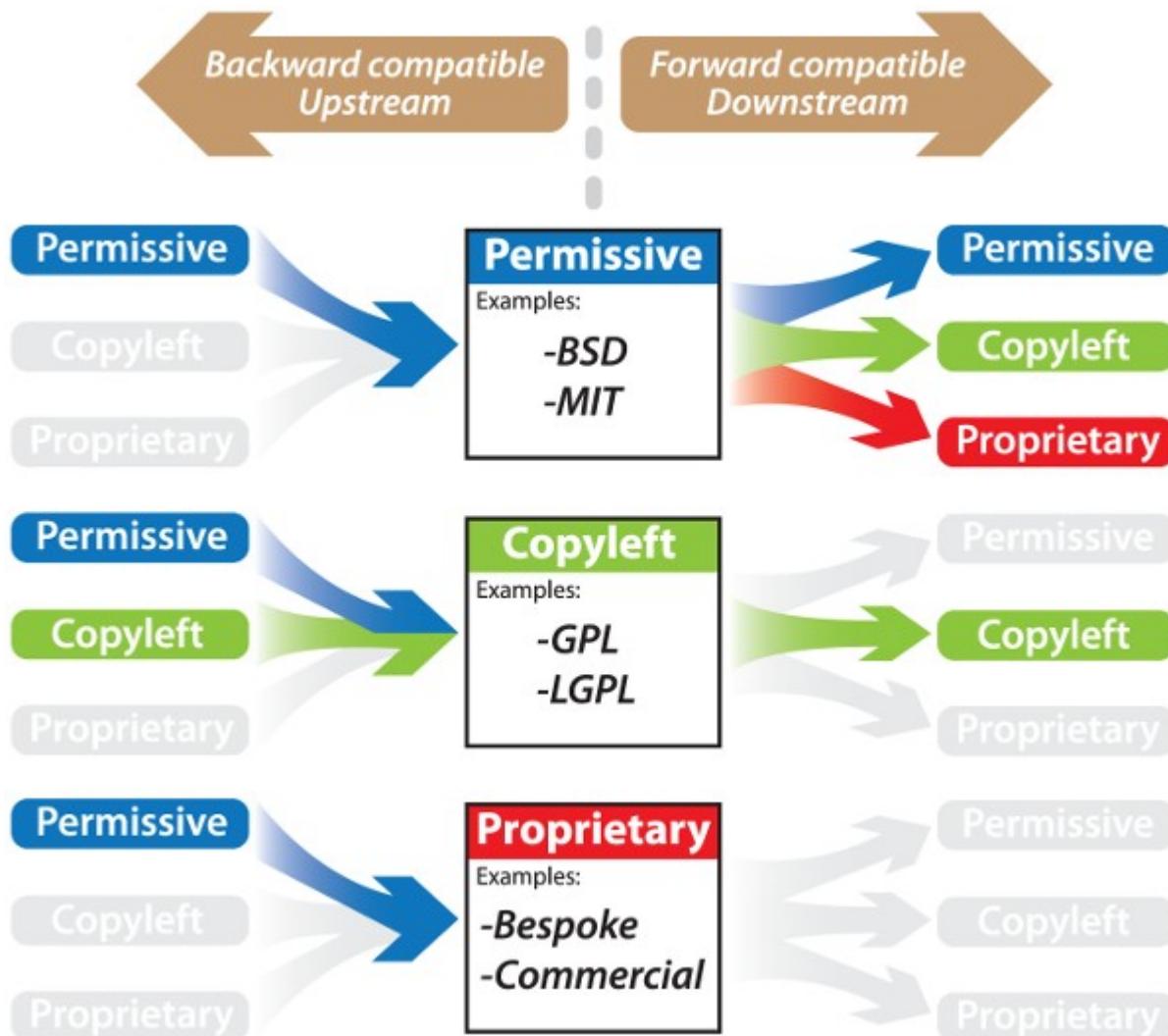
**Free Software / Copyleft Licenses:** “a social movement,” an ethical imperative, essential respect for the users' freedom.

**Open Source / Permissive Licenses:** practical, pragmatic approach to developing better software and communities.

<http://www.gnu.org/philosophy/open-source-misses-the-point.en.html>

# License Compatibility

- License compatibility is an issue that arises when licenses applied to copyrighted works, particularly licenses of software packages, can contain contradictory requirements, rendering it impossible to combine source code or content from such works in order to create new ones





BUSINESS

CULTURE

GEAR

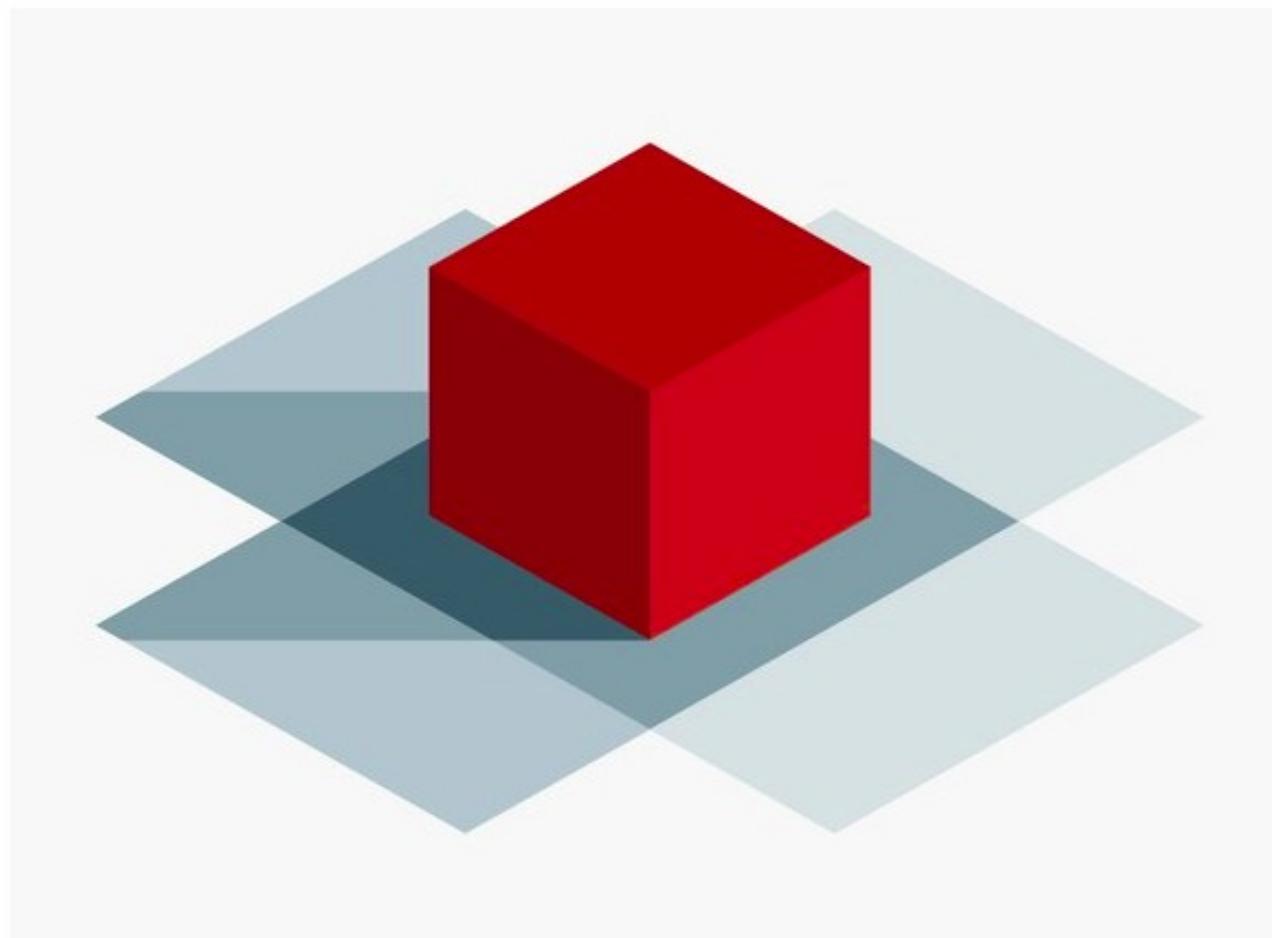
IDEAS

SCIENCE

SECURITY

TRANSPORTATION

# OPEN SOURCE WON. SO, NOW WHAT?



GETTY IMAGES

Wired Magazine, Aug 11, 2016 <https://www.wired.com/2016/08/open-source-won-now/>

Image credit: "Slide02" by Patrick Masson 2020, available under a Pixabay License, is a derivative of "graffiti-artist-graffiti-art-1380106/", by qimono , available under Pixabay License, via Pixabay.



Software

## MS' Ballmer: Linux is communism

After a short silence, Motormouth is back, folks...

By [Graham Lea](#) 31 Jul 2000 at 10:10

SHARE ▾

Steve Ballmer was the only person to raise the issue of Linux when he wrapped up Microsoft's annual financial analysts meeting in Seattle, although he put Sun and Oracle ahead in terms of being stronger competitors. They of course are 'civilised' competitors - but the Linux crowd, in the world of Prez Steve, are communists.

Ballmer wanted "to emphasise the competitive threat, and in some senses the competitive opportunity, that Linux represents. **Linux is a tough competitor. There's no company called Linux, there's barely a Linux road map. Yet Linux sort of springs organically from the earth. And it had, you know, the characteristics of communism that people love so very, very much about it. That is, it's free.** [Outlook Express is free, and also sometimes lets strangers share your hard disk - is this anarchism? - Ed] And I'm not trying to make fun of it, because it's a real competitive issue. Today, I would say, we still don't see a lot of Linux competition in most quarters on the desktop, and we see a lot of Linux competition in some server markets. And we could either say, hey, Linux is going to roll over the world, but I don't see that happening. That's not what's going on right now."

[https://www.theregister.co.uk/2000/07/31/ms\\_ballmer\\_linux\\_is\\_communism/](https://www.theregister.co.uk/2000/07/31/ms_ballmer_linux_is_communism/)

Microsoft joins the Linux Foundation, 15 years after Ballmer called it 'cancer'  
*Google joins the .NET Foundation*

By Tom Warren [@tomwarren](#) Nov 16, 2016, 11:46am EST



Former Microsoft CEO might have labeled Linux "a cancer" 15 years ago, but things couldn't be any different this week. Microsoft, the software giant that has built its empire on closed-source proprietary software, is joining the Linux Foundation. **10 years ago that would have seemed unimaginable**, but Microsoft has been steadily embracing open source recently, leading it to become the **top organization with the most open source contributors** on Github.

<https://www.theverge.com/2016/11/16/13651940/microsoft-linux-foundation-membership>



**96%** of applications include open source or free software components, with an average **257** components per application.



Average percentage of codebase that is open source or free software: **57%** (36% in 2017). Many applications now contain more open source than proprietary code.

# Frequency of Companies' Open Source Activities

Use open source code for non-commercial or internal reasons



Use open source code in commercial products



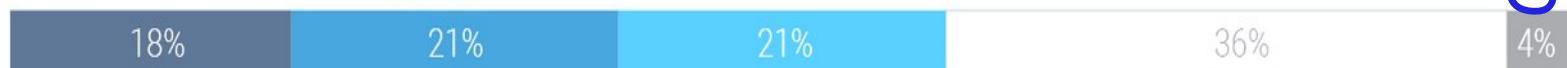
Contribute code upstream



Recruit and hire developers to work on open source projects



Create its own open source projects



Train developers to contribute to open source projects



Attend and speak at open source events or conferences



Frequently      Sometimes      Rarely      Never      Don't Know

## Change in use of enterprise open source **over the past 12 months**



## Change in use of enterprise open source **over the next 12 months**



## OPEN SOURCE ESSENTIAL TO DEVELOPMENT STRATEGY

@FUTUREOFOSS  
#FUTUREOSS



>65%

leverage OSS to speed application development

>55%

leverage OSS for production infrastructure



SECTION 1  
STRATEGY

## OPEN SOURCE ADOPTION PACE CONTINUES

@FUTUREOFOSS  
#FUTUREOSS



Use of OSS increased in

65%

of companies surveyed v. 60% in 2015



SECTION 1  
STRATEGY

1,313 RESPONSES:

64 COUNTRIES

22% C-SUITE

78% TECHNICAL

"NO sectors of the software industry will be invulnerable to disruption from Open Source" - FOSS / Black Duck



78% OF COMPANIES  
RUN ON OPEN SOURCE

LESS THAN 3%

DON'T USE OSS IN ANY WAY

59%  
participate in open source to gain competitive edge

@FUTUREOFOSS  
#FUTUREOSS





# OSHWA

OPEN SOURCE HARDWARE ASSOCIATION

[Home](#)[About OSHWA](#)[Open-Source Hardware](#)[Membership](#)[Connect](#)[Research](#) Search[Summit »](#)[Donate!](#)

## OSHWA is having a Membership Drive!

1

Posted on [December 15, 2014](#) by [aileen](#)

We are launching a Membership Campaign to double our members of like-minded individuals and companies between now and January 15, 2015. Help us reach our goal by spreading the word: [www.oshwa.org/membership/](http://www.oshwa.org/membership/). We will keep you all updated on our membership drive as things progress. If you have innovative ideas on how we can attract more members, please get in touch with Aileen at [info@oshwa.org](mailto:info@oshwa.org). We welcome your ideas.

### ARCHIVES

- [December 2014](#)
- [October 2014](#)
- [September 2014](#)
- [June 2014](#)
- [May 2014](#)
- [April 2014](#)
- [February 2014](#)
- [January 2014](#)
- [December 2013](#)
- [November 2013](#)
- [October 2013](#)



## Our Mission

Open Source Robotics Foundation, Inc. (OSRF) is an independent non-profit organization founded by members of the global robotics community. The mission of OSRF is to support the development, distribution, and adoption of open source software for use in robotics research, education, and product development.

We are located in the San Francisco Bay Area.

Check out [our projects](#) and get involved in robotics!

To stay up to date with future announcements, [contact us](#) directly.

## From Our Blog

### [Clearpath offers ROS consulting service](#)

Our friends at Clearpath Robotics announced today that they're offering ROS consulting services for enterprise R&D projects. And they've committed to giving part of the proceeds to OSRF, to support... [\[Read More\]](#)

### [The Value of Open Source Simulation](#)

As part of the run-up to the DARPA Robotics Challenge Finals in June, check out this piece on the role of tools like Gazebo: "The Value of Open Source Simulation... [\[Read More\]](#)

# OPEN-SOURCE DRONES FOR FUN AND PROFIT

**F**RIDAY IS FLY DAY at 3D Robotics, a maker of small robotic aircraft. So here we are, on a windswept, grassy landfill with a spectacular view of San Francisco's Golden Gate Bridge, looking up at a six-prop copter with a gleaming metal frame. It's like a spiffy toy from the future. Buzzing like a swarm of bees, it lifts off smartly, hovers, then pinwheels.

"Jason's making the hex twirl," says CEO Chris Anderson, a trim man in jeans and an untucked oxford shirt. "That's just for show—a human pilot couldn't





# Open Source Washing Machine Project

## searching free and low-cost alternatives to hand washing

RSS

CONTACT

## About

*Most of the people in this planet, mostly women, wash clothes by hand in harsh conditions related to poverty, lack of sanitation, water or energy. The biggest problem is the time and the energy consumed for this task: hours and hours per week, real painful task for the body and mind, during most of their life...*

In rich countries, women started to emancipate themselves, started to be educated, started to have time for themselves and their children when washing machines arrived in the first half of the XXth century. This was a major step in gender equality, a big step in human rights. Could the future of the world be linked to washing technologies ?

If you live in a rich country, ask your grandmothers ! their answer will surprise you !



Romania



South Africa



Iraq

## Pages

### About

- News
- History
- OSWash project
- Washing technologies
  - Rotating washing machines
    - Portable rotating engine for any bucket
  - Vibration washing machines
  - Brushing and batting systems
  - Water pressure systems
  - Bubbling systems
  - Bacterial washing systems
  - Ultrasonic machines
  - Other biological systems...

### Gallery

- Tests
- Detergents
- Bricolabs

<http://www.oswash.org/>



## Bringing together design and open source

We are a community of designers and developers aiming to push more open design processes and improve the design of open source apps

### Jobs page

A job board for medium- to large-sized design tasks from open source projects.

[Check out open source design jobs](#)

### Chat app

A nice chat app for open source developers and designers to collaborate. It uses IRC as base technology since most open source projects use IRC and it's an open protocol unlike modern chat & collaboration apps. We're basing it off [Shout](#).



apr 08, 2014

## 20 Open Source Furniture Designs



Share on Facebook



Share on Twitter



<http://www.shareable.net/blog/20-open-source-furniture-designs>

### open source furniture by philippe starck for TOG

<http://www.designboom.com/design/open-source-furniture-philippe-starck-for-tog-04-08-2014/>

[+ TOPICS](#)

# How to Hack Your Way to Product Success

April 22nd, 2015

Business Strategy, Startup Tech

# Mobile Is Not Meant For Conversion

April 13th, 2015

Business Strategy, Mobile, Online Commerce, Retail Strategy

# Open Source Photography



## Best Digital Photography Software (Open Source / Free)

<http://tjfree./digital-photography--image-software/> Here free programs good working digital photography. Gimp - Bitmap Image Editor Similar Photoshop ufRaw...



## Open Broadcaster Software for Linux: Free, open source software for live streaming and recording

Available <http://OBSProject>. Official installation instructions:  
<https://obsproject./forum/threads/ubuntu-14-04-14-10-ppa-installation-instructions.16495> First Recording: <http://youtu....>



## D3.js - The Future of Open Source BI?

<http://d3js.org/> - VISIT THIS LINK Mike Bostock' development project producing beautiful BI . [mbostock.github./d3/](http://mbostock.github./d3/)

<http://www.bicycletouringhub.com/tags/open-source-photography>



Open Source Beehives

FORUM SOURCE FILES CONTACT

GET YOUR BEEHIVE

# Open Source Beehives

Beehives Available Now On the **AKER Campaign!**

*March through April 12th!*

[GET YOUR BEEHIVE](#)

<http://www.opensourcebeehives.net/>





# open source seed initiative

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## Home



<http://osseeds.org/>





OPEN SOURCE FOOD  
browse, create & share recipes

[Home](#)[Recipes](#)[People](#)[Register](#)[Login](#)

New?  
[Register here](#)



## COOK TONIGHT

using ingredients you already have!

### Tastebud on iPhone

Finds delicious recipes based on ingredients you already have in your kitchen - no grocery store trip required!

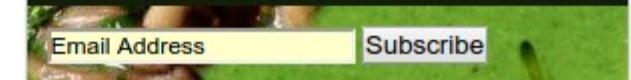
[Download Now!](#)

Amazing [Recipes](#). Delicious Food. Beautiful Photography. Created and rated by you and fellow food-lovers from all over the world. **Open Source Food** is your gastronomic hub where every visit will bring inspiration and a rumbling belly...

[Search Recipes](#)

### FREE RECIPES IN YOUR INBOX!

No membership needed! Subscribe to get a weekly newsletter of Open Source Food's TOP RECIPES, with pics!



# Open source cola and the 'Napster moment' for the food business

CULTURE / 15 APRIL 13 / by IAN STEADMAN



The revolution in 3D printing is seeing enthusiasts sharing designs for everything from chairs to guns to faces. With small steps, it's even making its way into the world of food.

That might seem the most natural of all, on the face of it. Food is a social thing, from the sharing of recipes to the sharing of a meal. But it's a different kind of sharing to that we associate with other arts. Sharing a recipe isn't an economic issue for the food industry like sharing a song is to the music industry -- but what if you could print off not just a hamburger, but a Big Mac? For a look at how this future might turn out, let's look at the Coca-Cola recipe.

Unless you're in Cuba or North Korea right now you live in a country where Coca-Cola is easily available. The contents of the bottle you buy in Botswana or Bolivia has the same ingredients (give or take the odd regional variation such as cane sugar versus corn syrup) as the contents of the bottle you buy in China or Chile.



Which cola is "the Real Thing"? Shutterstock

<http://www.wired.co.uk/news/archive/2013-04/15/trade-secrets-open-source-cola>

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HOME BREWING

3

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# The Open Source Brewing Movement

BY MIKE STUART · FEBRUARY 27, 2014

The internet has had a monumental impact on bringing together like-minded folks to freely share education and creativity. The information sharing juggernaut has also been integrated into the craft beer brewing community. Nowhere is this more evident than a growing number of professional, for-profit, breweries openly sharing their beer recipes with homebrewers (and often, their primary customer). They've taken one of their most valuable intellectual assets and put it out there for the community to embrace and learn from.

SHARE

54



128



10



2



## The Open Source Spectrum

There are a number of breweries that openly share their recipes. A few that come to mind are Modern Times, Avery, Deschutes, and Ballast Point. There is a spectrum of open source ranging from all of their recipes, to a few select beers, to sharing the ingredients but not the proportions. However, these brewers obviously embrace their homebrewing roots and provide a platform for others to either recreate a known entity or use it as a springboard to something altogether different.

<http://brewprof.com/the-open-source-brewing-movement/>



[OSI-TM] [Trademark enquiries] use of 'open source' in a domain name

Reply Group Reply Forward Print Delete Compose < >

**From:** [dpdaug@gmail.com](mailto:dpdaug@gmail.com)  
**To:** [trademarks@opensource.org](mailto:trademarks@opensource.org)  
**Subject:** [OSI-TM] [Trademark enquiries] use of 'open source' in a domain name  
**Date:** Mon, 25 May 2015 15:33:13 +0000 (UTC) (05/25/2015 11:33:13 AM)

Dan Daugherty ([dpdaug@gmail.com](mailto:dpdaug@gmail.com)) sent a message using the contact form at <http://opensource.org/contact>.

Hello,

I blog about hard cider, mead (honey wine), and how to make them. I'm working on a concept for a cider-making company which is very open in terms of its process and ingredients, and which involves and educates customers extensively as part of the experience.

The term that keeps coming to mind is 'Open Source Cider'. However, I'm aware that OSI holds trademarks around the concept, so I thought I'd contact you to get your position on the matter.

Would you permit the use of the above name--or the domain [opensourcecider.com](http://opensourcecider.com)--completely unrelated to software and in a fashion which clarifies that there is no affiliation with the OSI, or would you consider it a trademark violation?

Thanks for your time,

Dan Daugherty  
[dpdaug@gmail.com](mailto:dpdaug@gmail.com)

Report as inappropriate:  
[http://opensource.org/mollom/report/mollom\\_content/1505256b14144513db](http://opensource.org/mollom/report/mollom_content/1505256b14144513db)

---

Trademarks mailing list  
[Trademarks@opensource.org](mailto:Trademarks@opensource.org)  
<http://projects.opensource.org/cgi-bin/mailman/listinfo/trademarks>

BRIGHT IDEAS

# Open-source streetlamps from old soda bottles are making streets safer for women



<http://qz.com/382486/open-source-streetlamps-from-old-soda-bottles-are-making-streets-safer-for-women/>



Richard Baraniuk:

# The birth of the open-source learning revolution



TED2006 · 18:34 · Filmed Feb 2006

Subtitles available in 26 languages

[View interactive transcript](#)

Share  
this idea



879,593 Total views

Share this talk and  
track your influence!

In 2006, open-learning visionary Richard Baraniuk explains the vision behind Connexions (now called OpenStax), an open-source, online education system. It cuts out the textbook, allowing teachers to share and modify course materials freely, anywhere in the world.

# UMass students, librarians want more faculty to use open source textbooks to save students money



CAMPUS LIFE

## SUNY Schools To Use Free Open Textbooks Next Semester

By Emily Schwartz

[Like](#) 218 [Share](#) [Tweet](#) 107 [Share](#)



# California Takes a Big Step Forward: Free, Digital, Open-Source Textbooks

MEGAN GARBER | SEP 30 2012, 9:20 AM ET

*A Golden State experiment with nationwide impact*



Governor Jerry Brown meets with university students while signing legislation aimed to offer them financial aid (AP)



## College first Massive Open source Online Course (MOOC)

*I began but did not finish my first MOOC (Massive Open-Source, Online Course). Harvard's Michael Sandel's popular class, "Justice," on political philosophy.*

*The Gates grantees aren't the only ones giving open-source courses a whirl.*

Are you seeing other examples of this Mini-MOOC trend (free, open source courses by a startup or organization)? Tell us about it in the comments section below.

## **MOOC (massive open source online course)**

*A MOOC is an open source online course that is, in general, hosted by an established leader in higher education and online learning.*

**MBA program based on open source courses from edX, Coursera, and others.**

*MITx: an independent, not-for-profit company that would offer massive online courses from MIT on an open-source basis.*

**...capitalize on the intense demand for high-quality, open-source online courses. Based on the popularity of the MOOC offerings online so far, we know that open-source courses at elite universities have the potential to serve enormous "classes."**

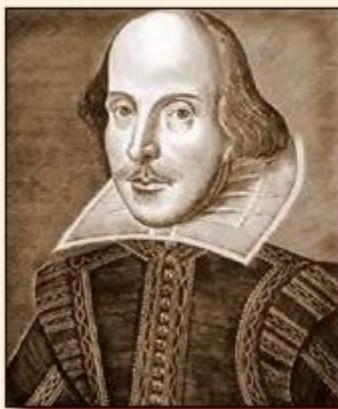
*A MOOC is essentially an open source classroom. I attended a live Blackboard Connect class with over 250 educators from all over the world... it was fascinating.*

*MOOC development emerged from the most elite universities, which initially offered their open-source courses as a tool to help students succeed in introductory classes.*

*Many agencies outside of academia also find these open source courses beneficial as they allow employees to acquire new knowledge without spending corporate money.*

# OpenSourceShakespeare

AN EXPERIMENT IN LITERARY TECHNOLOGY



William Shakespeare  
1564-1616

## PLAYS

All's Well That Ends Well  
Antony and Cleopatra  
As You Like It  
Comedy of Errors  
Coriolanus  
Cymbeline  
Hamlet  
Henry IV, Part I  
Henry IV, Part II  
Henry V  
Henry VI, Part I  
Henry VI, Part II  
Henry VI, Part III  
Henry VIII  
Julius Caesar  
King John  
King Lear  
Love's Labour's Lost  
Macbeth  
Measure for Measure  
Merchant of Venice  
Merry Wives of Windsor  
Midsummer Night's Dream  
Much Ado about Nothing  
Othello  
Pericles  
Richard II  
Richard III  
Romeo and Juliet  
Taming of the Shrew

- Use [Mobile Open Source Shakespeare](#) on your mobile device
- Add a [Shakespeare search box](#) to your browser

## Features

concordance + keyword search + advanced search + statistics

## Plays

by genre + by number of words + by number of speeches + character list + character search

## Sonnets and Poems

individual sonnets + sonnets compared side-by-side + all sonnets + all poems



## More than just a collection of texts...

Open Source Shakespeare attempts to be the best free Web site containing Shakespeare's complete works. It is intended for scholars, thespians, and Shakespeare lovers of every kind. OSS includes the 1864 Globe Edition of the complete works, which was the definitive single-volume Shakespeare edition for over a half-century. [READ MORE...](#)



## Why use Open Source Shakespeare?

This site was built with four attributes in mind: **Power, Flexibility, Friendliness, and Openness.** It won't replace the expensive, subscription-only sites at libraries or research institutions, but you can use the [advanced search function](#), read the [plays](#), and look up words in the [concordance](#).

From June 2006 to August 2014, Open Source Shakespeare hosted over 6.5 million unique visitors, who logged over 32.7 million page views.

Users performed over 1.5 million [searches](#) from September 2012 to August 2014.

## TEXT SEARCH

Search in work:  
ALL WORKS ▾  
**Search**

For more search options, try the [advanced search](#).

## CONCORDANCE SEARCH

Exact spelling  
 First part of a word  
 Any part of a word  
**Search**

## CHARACTER SEARCH

**Search**

Enter a name, or the first part of a name, to locate the character(s) you want to find  
[Full search page](#)

# OPEN SOURCE

ON VIEW

UPCOMING

PAST

EVENTS

CHURCH OF MONIKA

HTBAF

KIDS

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Sign up for email list\*

Zip

- All
- Exhibits and Events
- Kids Programs
- Press

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Search

**Search**

## ABOUT

[Mission](#) | [History](#) | [Staff](#) | [The Board](#) | [Press](#) | [Open Calls](#) | [Opportunities](#)

### Our mission:

Open Source is a Brooklyn based non-profit that serves as a nexus for contemporary art and local neighborhood cultures, with a history of supporting emerging artists who through the development of new works challenge how, when, and where contemporary art intersects and integrates with the everyday lives of everyday people. We place strong emphasis on public socially engaged artwork, sustainable communities, and social justice.



<http://open-source-gallery.org/>



[HOME](#)[PROGRAMME](#)[GET INVOLVED](#)[LOCATION](#)[GALLERY](#)[PARTNERS](#)[VACANT TO VIBRANT](#)

## THE OPEN SOURCE

The Open Source is a performance space, music venue and workshop hub bringing life back into an empty space in Belfast's Cathedral Quarter during the annual [Cathedral Quarter Arts Festival](#).

The Open Source brings vibrancy to a vacant property and provides space for free workshops, performances and exchange of ideas throughout the day and into the early evening.

Run by volunteers and made possible by the donation of the space, furniture, equipment and the artists' time, The Open Source relies on the spirit of collectivism and collaboration to provide a dynamic and creative hub.



## Inside '90s Heartthrob-Turned-Spiritual Guide Andrew Keegan's 'Full Circle'

Apr 30, 2015, 5:05 PM ET

By DAN HARRIS, VICTORIA THOMPSON and LAUREN EFFRON via **NIGHTLINE**



Andrew Keegan is shown here, back left, with fellow Full Circle congregants.

Victoria Thompson/ABC

*"Full Circle is an open source spiritual community," Keegan said. "We have a creed. We do believe that everything is an expression of the creator and that we coming together create our own destiny, our own path."*

Beth Noveck:

# Demand a more open-source government

TEDGlobal 2012 · 17:23 · Filmed Jun 2012

Subtitles available in 18 languages

View interactive transcript



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457,512 Total views

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track your influence!TED Talks are free  
thanks to support from

What can governments learn from the open-data revolution? In this stirring talk, Beth Noveck, the former deputy CTO at the White House, shares a vision of practical openness — connecting bureaucracies to citizens, sharing data, creating a truly participatory democracy. Imagine the "writable society" ...

Interactive transcript

TED Talks are free thanks to support from

See a new way to  
make decisions.Smarter industries are  
made with IBM.



The success of open source software (enterprise adoption, corporate and VC investment, marketing and promotions, pace of development/innovation) has created an environment where some choose to align themselves with the movement, while dismissing community norms, fundamental tenets, expectations, and recognized practices.

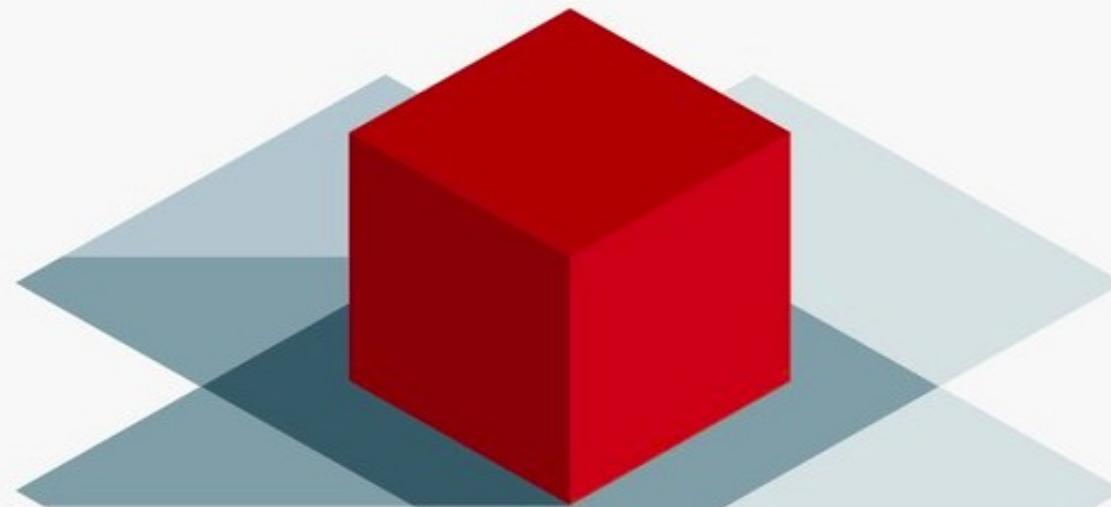


**Child  
Labor  
Free.**





# OPEN SOURCE WON. SO, NOW WHAT?



*Though the community has proved that [free software and] open source is among the most important ideas in the history of technology, it faces a **whole new set of tests** as it transforms from scrappy underdog to pillar of the mainstream.* - *Klint Finley*

GETTY IMAGES



# OPEN SOURCE WON. SO, NOW WHAT?

- Project maturity and sustainability
- Maintainer/contributor/developer burn-out
- Business models
- Social impact / consequences
- Community development and management
- New technologies & techniques
- Licensing (complexity/compatibility)

 GETTY IMAGES

*“a whole new set of tests”*



# OPEN SOURCE WON. SO, NOW WHAT?

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- Licensing (complexity/compatibility)

GETTY IMAGES

*“a whole new set of licenses”*



# OPEN SOURCE WON. SO, NOW WHAT?

BSD + Patents license (Facebook)

Cryptographic Autonomy License (CAL)

Commons Clause

Do No Harm

Fair Source

Qabel Public License

Server Side Public License

996.ICU

 “*a whole new set of licenses*”

# Software Freedom

## **The *Four Freedoms***

- 0. Freedom to run the program as you wish, for any purpose**
- 1. Freedom to study how the program works, and change it so it does your computing as you wish.**  
: Access to the source code is a precondition for this.
- 2. Freedom to redistribute copies so you can help others.**
- 3. Freedom to distribute copies of your modified versions to others**  
: By doing this you can give the whole community a chance to benefit from your changes. Access to the source code is a precondition for this.



# *“a whole new set of tests”*

## **The Four Free-ums?**

### ***Free-um 0: to associate, e.g. “Open-washing”***

: to spin a product or company as [free], although it is not. - Michelle Thorn

: having an appearance of openness and licensing for marketing purposes, while continuing proprietary practices. - Audrey Watters

### ***Free-um 1: to assert, e.g. “Fauxpen Source”***

: software that claims to be open source, but lacks the full freedoms required by the Open Source Definition. - Phil Marsosudiro

### ***Free-um 2: to restrict, e.g. “Nope-in Source”***

: software that invokes benefits/values of open source software development and ideals, but places restrictions on the users or activities. - Patrick Masson

### ***Free-um 3: to ignore, e.g. “Post Open Source”***

: f\*\*k the license and governance, just commit to github. - James Governor

: not explicitly in the public domain, but the authors appear to intend free use, modification, distribution and distribution of the modified software, similar to the freedoms defined for free software. - Daniel J. Bernstein

# *“a whole new set of licenses”*



# Open Washing (free-um to associate)...



Spin a product or company as “open,” although it is not

*Image credit: "Giant Washing Machine London", by .Martin. [CC BY-ND 2.0], via Flickr <https://www.flickr.com/photos/martinrp/386952349>*



CLOSED

## Jolla Tablet - world's first crowdsourced tablet

Experience the world's first people powered tablet, running Sailfish OS 2.0.

PROJECT OWNER



Jolla  
Hong Kong, Hong Kong  
[1 Campaign](#) | [More](#)

### Video

\$2,571,262 USD total funds raised  
479% funded on December 10, 2014

"Jolla's core value is **freedom**... That's why we've picked Intel's innovation platform, backed by **open source**, to power the Jolla Tablet."

"...Jolla Tablet...runs Jolla's own independent and intuitive **open source** based mobile operating system Sailfish OS"

Welcome onboard the Jolla Tablet journey! For \$10 you'll... get to support **the greatest open source project ever...!**

"Together with the **open source** community, we're continuing to strengthen our privacy capabilities at every opportunity."

"All of our customers can have their say on the direction of our products through Jolla and other **open source** communities that we work closely with."

# Jolla's open-source tablet might actually stay the course

Finnish firm's Linux-based tablet looks like a tenable alternative to Apple iPads and Android devices.

**NETWORKWORLD**

## INTERNATIONAL BUSINESS TIMES

### Jolla Sailfish 2.0 Tablet: 'Open-Source iPad' Crowdfunded Within Hours

By Abigail Elise  @theabigailelise on November 19 2014 3:41 PM EST

**TC** Jolla's 'Open Source' iPad Alternative Raises More Than \$1M In Two Days' Crowdfunding

Posted Nov 23, 2014 by Natasha Lomas (@riptari)

**Forbes**



Eric Mack  
Contributor

### The Case For The Jolla Tablet

[+ Comment Now](#) [+ Follow Comments](#)

**PC**

### Hands On: Jolla Tablet and Sailfish 2.0

BY EUGENE KIM

MARCH 2, 2015 10:05AM EST

0 COMMENTS

Jolla was at Mobile World Congress showing off its open source Jolla Tablet and new Sailfish 2.0 OS.

### Can Jolla Deliver the First Open Source Tablet?

Critically praised for its phone, Jolla is now developing a tablet.

Datamation.

"...the Jolla Tablet...runs on Jolla's own independent and intuitive open source based mobile operating system **Sailfish OS**"

Welcome onboard the Jolla Tablet journey! For \$10 you'll... get to support **the greatest open source project ever...**!

"Jolla Tablet's Sailfish operating system will be unlike anything you've tried before. Once you try it, you'll never want to go back. Independent and **powered by open source**, change whatever you like, whenever you like."

"Together **with the open source community**, we're continuing to strengthen our privacy capabilities at every opportunity."

"Jolla's core value is freedom of choice for our community. That's why we've picked Intel's innovation platform, **backed by open source**, to power the Jolla Tablet."

"All of our customers can have their say on the direction of our products through Jolla and other **open source** communities that we work closely with."



# Sailfish EULA

## Sailfish End User License Agreement

Please review this agreement (the "Agreement") carefully before using the Software. Because you need to accept these terms before using the Software, we recommend you take your time reading through them to make sure you are comfortable with them. You agree to these terms by downloading or using the Sailfish OS, any included additional components, any software or content we make independently available pursuant to this Agreement, and all software documentation ("Software") or by clicking on the "Accept" button next to this Agreement when downloading, installing and/or using the Software.

If you cannot accept the terms of this Agreement after having purchased a product incorporating Software, please return the product containing the Software to the seller within the return period provided for in the seller's return policy for a full refund. If you purchased the product directly from us, the applicable return period is stated in our Jolla Return Policy, available at <http://www.jolla.com/care>.

Note that our Software is based on the great efforts and innovations of the open source community. The core components of our software ("Free Software") are all available as open source via various projects in which we actively participate. We encourage you to also join those projects and participate. Although our Software is subject to this Agreement, Free Software is available under its own terms, subject to which you are free to use it as you wish. For more information about these open source components, see <http://www.sailfishos.org>.

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additional components, any software or content we make independently available pursuant to this Agreement, and all software documentation ("Software") or by clicking

on the "I accept" button to this Agreement, indicating that you have read, understood, and accepted the Software terms and conditions.

If you do not accept the terms of this Agreement, do not download or use the Software. If you purchased the Software from a seller other than Jolla Oy, you may return it within the return period provided for in the seller's return policy for a full refund. If you purchased the product directly from us, the applicable return period is stated in our Jolla Return Policy. If applicable, return the Software.

Note that our Software is based on the great efforts and innovations of the open source community. The core components of our software ("Free Software") are all available

as open source via various projects in which we actively participate. We encourage you to also join those projects and participate. Although our Software is subject to this

Agreement, Free Software is available under its own terms, subject to which you are free to use it as you wish. For more information about these open source components,

see <http://www.sailfishos.org>.

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**License restrictions: "Although we encourage you to develop our Software to make it better, we cannot allow such development, modifying or any harmful interaction with the version of our Software distributed integrated in a product. This is because the integration version includes proprietary components from third parties who do not allow it. In the case of Free Software, have fun but do not do anything harmful and remember to respect the applicable free license terms."**

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**License restrictions: "You are expressly prohibited from...copying any elements of our Software, including code, graphics, sounds, our name, trademark, logo or other proprietary information, without our prior written consent."**

Note that our Software is based on the great efforts and innovations of the open source community. The core components of our software ("Free Software") are all available as open source projects that you can actively participate. We encourage you to also join those projects and participate. Although our Software is subject to this Agreement, Free Software is available under its own terms, subject to which you are free to use it as you wish. For more information about these open source components, see <http://www.sailfishos.org>.

# Sailfish



<https://together.jolla.com/questions/scoped:all/sort:relevance-desc/page:1/query:%22open%20source%22/>

Jolla seems to **like the idea of community and freedom but closed source software is against both.**

Which parts of Sailfish are **closed source**, why, and will that change? I recently saw a list of packages sorted by license and at first glance **anything remotely Jolla specific was closed source.**

Good bye Jolla: I'm really so disappointed and frustrated. **I came to Jolla because I searched for freedom.** I was blinded by their **marketing and the positive comments in press and blogs.** But directly after I received my phone, and I gave away my iPhone I discovered that **Jolla isn't FOSS...**

**Is Jolla deliberately misleading their customers?**



CLOSED

## Jolla Tablet - world's first crowdsourced tablet

Experience the world's first people powered tablet, running Sailfish OS 2.0.

PROJECT OWNER



Jolla  
Hong Kong, Hong Kong  
[1 Campaign](#) | [More](#)

### Video

\$2,571,262 USD total funds raised  
479% funded on December 10, 2014

"Jolla's core value is **freedom**... That's why we've picked Intel's innovation platform, backed by **open source**, to power the Jolla Tablet." Florido Santos

**Face it. We have been misled and screwed by a bunch of crooks!**  
...jolla Tablet...runs jolla's own independent and intuitive **open source** based mobile operating system Sailfish OS"

- Gerald Maccioli 3 years ago

"Together with the **open source** community, we're continuing to strengthen our privacy capabilities at every opportunity.  
**Any updates on the 2nd half of the refund? Another decade of interest free loan? The company is already selling jolla os to experia users and just ignoring their original backers.**  
All of our customers can have their say on the direction of our products through jolla and other **open source** communities that we work closely with."

- Florido Santos March, 2020

# **OVER \$2.5 Million and ??? code contributions**



# Fauxpen Source

*(free-um to assert)*

A description of software that claims to be open source, but does not carry an OSI Approved Open Source License.



# PUBLIC LICENSE

## Frequently Asked Questions

Below are four questions asked frequently of our Legal Team with regard to our OSET Public License ("OPL"). We hope this FAQ, in combination with our Rational White Paper, clarifies these inquiries.

### 1. Is your license truly an open source software license?

**Yes.** The OSET License ("OPL") is an open source software license, without a doubt amongst trained, experienced open source licensing lawyers. Here is why. The license meets the Open Source Definition promulgated by the Open Source Initiative (<http://opensource.org/osd-annotated>). The definition has 10 elements, as described below.

*We haven't reviewed the Open Public License, so can't give a formal opinion without running it through the process. But, I'll note that the license includes a requirement to notify the initial developer of every change. This type of requirement is generally regarded as failing to meet the Free Distribution criteria of the Open Source Definition. So, if we did review the Open Public License, the likely outcome is that we'd rule it as not open source.*

- Allison Randal, OSI President

# Fauxpen Source Software

*Qabel is a **free, open-source**, decentralized, expandable platform, that...*

- Qabel GmbH (<https://qabel.de/index-en.html>)



## puls

Qabel is **open source**, crowdfunding already completed. The software is now in beta phase.

- <https://www.br.de/puls/themen/netz/datenschutz-im-netz-fuer-alle-100.html>



The **entire project is open source** and available as a GitHub repository since today. It is under a license called Qabel Public License Version 0.1 . The company encourages anyone interested to view the code and provide feedback.

- <https://www.heise.de/newsticker/meldung/Qabel-verspricht-abhoersichere-Cloud-Plattform-2219838.html>

*It is a **free, open-source** and expandable platform, that hides data and metadata from everyone and particularly the provider.*

*Qabel is a **free, open source**, expandable software platform that makes communication and data exchange on the internet as technically safe as possible and thus easy to use.*



# Fauxpen Source Software

*Qabel is a free, open-source, decentralized, expandable platform, that...*

**The software "Qabel" is licensed under**

**the QaPL, a specially developed license,  
which's source code is open.**

**The QaPL can neither be classified according to the  
standards of the Free Software Foundation,  
nor the standards of the Open Source Initiative  
as a "Free Software License" or an  
"Open Source License" respectively.**

The entire project is open source and available as a GitHub repository since today. It is under a license called Qabel Public License Version 0.1 . The company encourages anyone interested to view the code and provide feedback.

- <https://www.heise.de/newsticker/meldung/Qabel-verspricht-abhoersichere-Cloud-Plattform-2219838.html>



# Fauxpen Source Software

*Qabel is a free, open-source, decentralized, expandable platform, that...*

**[a] No license is granted by the Original Copyright Holder for the**

**Commercial Use of the Library or other software licensed under the QaPL.**

*In particular, no license is granted for linking Applications to the Library  
which shall be used commercially. If you would like to use the Library or  
other software licensed under the QaPL for commercial purposes or link to*

*an Application that shall be used commercially, including selling an  
Application that shall be linked to the Library or other software licensed  
under the QaPL, please inquire with the Original Copyright Holder.*

**[b] No license is granted by the Original Copyright Holder for military,  
intelligence or related purposes, including but not limited to**

The entire project is open source and available  
GitHub repository since today. It is under a license  
called Qabel Public License Version 0.1 . The company  
encourages anyone interested to view the code and  
provide feedback.

- <https://www.heise.de/newsticker/meldung/Qabel-verspricht-abhoersichere-Cloud-Plattform-2219838.html>



**NO DOGS  
ALLOWED  
IN  
LIBRARY**



Software that includes benefits/values of open source software, development and ideals, but places restrictions on the users or activities.

## **Nope-in Source *(free-um to restrict)***

# Freemium



Not open source

Restricted or time-limited functionality,  
downloaded with no immediate purchase required.

As source code is not provided and its  
accompanying license does not allow perpetual  
use, the creation of derivative works and/or further  
distribution is not allowed.

Best to pass unless you are prepared to purchase a  
proprietary license and accept all attendant terms  
and conditions of use.

Users are often the most disappointed in this  
outcome as it has somewhat of a deceptive feel.





# open Core

"Some open source software has a core kernel that is open source, but everything else about it is rather closed or proprietary," he explains. "This is called open core."

Gunnar Hellekson, chief technology strategist Red Hat, Campus Technology

<http://campustechnology.com/Articles/2012/09/11/7-Questions-to-Ask-Open-Source-Vendors.aspx?Page=2>

There are companies like Pentaho or Alfresco which offer an "open core" and sell additional features for that. I would consider that more as closed than as open source, in some way it is a bit like a "demo version".

Are there startups that went open-source and succeed?, Hacker News

<https://news.ycombinator.com/item?id=8341565>



# Open Core



## Open Source Initiative

To promote and protect open source software, projects and communities

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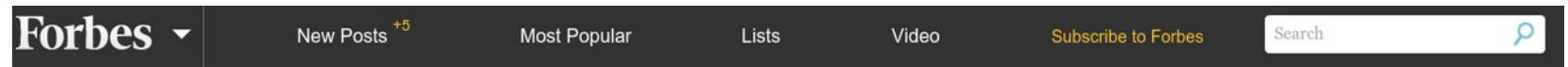
## A simple declaration about "Open Core"

Submitted by acoliver on Tue, 2010-07-20 13:38

Recently, there has been debate in the press about "Open Core". I don't care to debate the minor points but make a simple declaration:

- "Open Core" has NOTHING to do with "Open Source". At this point, nearly every proprietary software product has various degrees of [open source-licensed](#) source code in its core.
- "Open Core" has none of the advantages of open source to the user and is merely a nick-name for a proprietary software company.
- "Open Core" puts the software user at a disadvantage in the same way that all proprietary software puts the user at a disadvantage.
- The use of Open Source in their software can be advantageous to the "Open Core" vendor as they are allowed to realize parts of the open source effect, including reducing their cost of development and increasing their margin.
- "Open Core" vendors who imply that their EULA-licensed proprietary software is open source or has the advantages of open source are engaging in deception.
- An "Open Core" software company is a proprietary software vendor like any other. Many proprietary software vendors produce or contribute to some open source software.

# Commercial Ownership



The image shows the top navigation bar of the Forbes website. It includes the Forbes logo with a dropdown arrow, a "New Posts +5" button, a "Most Popular" link, a "Lists" link, a "Video" link, a "Subscribe to Forbes" link, a search bar with a magnifying glass icon, and a "Search" button.



**Ben Kepes**  
Contributor

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TECH 3/25/2015 @ 4:14PM | 4,818 views

## A Cautionary Open Source Tale, Apple Buys And Shutters FoundationDB

[+ Comment Now](#) [+ Follow Comments](#)

*Update. It turns out the situation is more complex than I first thought. The core of FoundationDB was closed source, but many components around it were open sourced. What this means is that people using those open source components relied on the FoundationDB core which now, alas, is no longer available. Thanks to Jeremiah Lee for the clarification as below:*



**Jeremiah Lee** @JeremiahLee

@benkepes This is misleading. @FoundationDB was not open source. Only components that depended on the closed source core were open source.

25 Mar



**Jeremiah Lee**

@JeremiahLee

[Follow](#)

@benkepes If @FoundationDB itself had been open source, the community could continue using a fork and this wouldn't be as awful.

7:15 PM - 25 Mar 2015 ♀ Mission, San Fran

1 FAVORITE

## Apple May Have Just Killed An Open-Source Project

If you're using (or contributing to) FoundationDB, you're SOL.

LAUREN ORSINI · MAR 25, 2015

**GitHub**

Search GitHub

Explore Features Enterprise



**FoundationDB**

<https://foundationdb.com>



This organization has no public repositories.



## TJ Holowaychuk Passes Sponsorship of Express to StrongLoop

July 29, 2014 / 7 Comments / in Community, Express, News, Press / by Al Tsang



At StrongLoop we are very excited and honored to announce that as of this morning, [TJ Holowaychuk](#) has transferred the [Express repo](#) and [Expressjs.com](#) domain to StrongLoop.

The image shows the header of the TechRepublic website. It features a blue navigation bar with the TechRepublic logo, a dropdown menu for 'U.S.', and links for All Topics, Newsletters, Photos, Forums, Resource Library, Research, and a user profile icon. Below the bar is a dark navigation bar with categories like CXO, Software, Startups, Cloud, Data Center, Mobile, Microsoft, Apple, and Google. A search bar with the placeholder 'Search TechRepublic' and a magnifying glass icon is also present.

## The dark side of commercial open source

By Matt Asay March 27, 2015, 4:41 AM PST // [Twitter](#) [mjasay](#)

*one critical problem with commercial open-source companies: they can be bought. And sold. And when they are, the community can be shafted.*



GeoGebra

www.geogebra.org/license

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# GeoGebra

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- You are free to copy, distribute and transmit GeoGebra for **non-commercial purposes**. Non-commercial use is subject to the terms of our [GeoGebra Non-Commercial License Agreement](#).
- Any use of GeoGebra for a **commercial purpose** is subject to and requires a special licence. If you intend to use GeoGebra for a commercial purpose, please contact [office@geogebra.org](mailto:office@geogebra.org) to arrange a License and Collaboration Agreement with us.

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The GeoGebra source code is licensed to you under the terms of the GNU General Public License (version 3 or later) as published by the Free Software Foundation, the current text of which can be found via this link: <http://www.gnu.org/licenses/gpl.html> ("GPL"). Attribution (as required by the GPL) should take the form of (at least) a mention of our name, an appropriate copyright notice and a link to our website located at <http://www.geogebra.org>.



# FAIR SOURCE LICENSE

Not open source. Not closed source. The Fair Source License allows everyone to see the source code and makes the software free to use for a limited number of users in your organization. It offers some of the benefits of open source while preserving the ability to charge for the software.

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## How Fair Source Works

---

Any individual user can view, download, execute, and modify the code free of charge. Up to a certain number of users from an organization can use the code for free, too. After an organization hits that user limit, it will start paying a licensing fee determined by the software publisher.

# Fair Source License

*...many open source developers have struggled to find ways to actually make money from their work. It's **better to be 90 percent open** than 10 percent open.*

Quinn Slack, CEO & Co-founder, Sourcegraph

<https://medium.com/@michaeldehaan/why-open-source-needs-new-licenses-d2d9d819a10>

*We're **offering the world a new choice** in between open source and closed source. Fair Source enables companies to share source code with the public and still drive revenue. It's the best of both worlds—transparency and progress without sacrificing our businesses.*

Fair Source License FAQ

<https://fair.io/>

*I need my software to be free only for non-commercial purposes. I need my software to be free only for small users, or for some kinds of uses. I don't want anyone to use my software to provide paid services without paying me. That is the genesis of the "**new open source license**".*

Heather Meeker, Specialist in open source software licensing and strategy

<https://heathermeeker.com/2018/06/24/revisiting-the-open-source-business-model/>



# Do No Harm License

*After making open source software for 15 years, participating in the communities and contributing to countless projects. I think it's **time to look a little harder at the broader impact of our work** and see if we can do better than ideas written down 40 years ago.*

Reconbot, via GitHub

<https://github.com/raisely/NoHarm/pull/27#issuecomment-419482778>

*A license for developers who write open source code to **make the world a better place**. As developers we can no longer close our eyes to the fact that **open source code is being used by individuals and organizations to the detriment of our society**. The Do No Harm License is for developers that **agree in general with the principles of open source software**, but are uncomfortable with their software being used as part of efforts to destroy lives, our environment and our future.*

Do No Harm License ReadMe

<https://github.com/raisely/NoHarm/blob/master/README.md>



# Do No Harm License

---

## A license for developers who write open source code to make the world a better place

As developers we can no longer close our eyes to the fact that open source code is being used by individuals and organizations to the detriment of our society.

The Do No Harm License is for developers that agree in general with the principles of open source software, but are uncomfortable with their software being used as part of efforts to destroy lives, our environment and our future.

In short, developers who use this license want their code to contribute to a just world for all.

This license is based on the [BSD 3-clause license](#), but with specific exclusions for using licensed code to promote or profit from:

- violence, hate and division,
- environmental destruction,
- abuse of human rights,
- the destruction of people's physical and mental health

lobbies for, promotes, or derives a majority of income from actions that support or contribute to:

- sex trafficking
- human trafficking
- slavery
- indentured servitude
- gambling
- tobacco
- adversely addictive behaviours
- nuclear energy
- warfare
- weapons manufacturing
- war crimes
- violence (except when required to protect public safety)
- burning of forests
- deforestation
- hate speech or discrimination based on age, gender, gender identity, race, sexuality, religion, nationality

b) lobbies against, or derives a majority of income from actions that discourage or frustrate:

- peace
- access to the rights set out in the Universal Declaration of Human Rights and the Convention on the Rights of the Child
- peaceful assembly and association (including worker associations)
- a safe environment or action to curtail the use of fossil fuels or prevent climate change
- democratic processes

# The Commons Clause.

*...applies a narrow, minimal-form commercial restriction on top of an existing open source license to transition the project to a source-availability licensing scheme.*

*The combined text replaces the existing license, allowing all permissions of the original license to remain except the ability to "Sell" the software as defined in the text.*

- <https://commonsclause.com/>

Is this “Open Source”? No.

*“Open source”, has a specific definition that was written years ago and is stewarded by the Open Source Initiative, which approves Open Source licenses.*



# Commons Clause

*Go to Amazon Web Services (AWS) and hover over the Products menu at the top. You will see numerous open-source projects that Amazon did not create, but runs as-a-service. These provide Amazon with billions of dollars of revenue per year.*

*To be clear, this is not illegal. But we think it is wrong, and not conducive to sustainable open-source communities.*

*...it is time to **reexamine the ethos of open source** in today's environment. Commons Clause is reviving the original ethos of open source. Academics, hobbyists or developers wishing to use a popular open-source project to power a component of their application can still do so. But **if you want to take substantially the same software that someone else has built**, and offer it as a service, **for your own profit**, that's not in the spirit of the open-source community.*

Salil Deshpande, Bain Capital Ventures

<https://techcrunch.com/2018/09/07/commons-clause-stops-open-source-abuse/>



# Community Projects

Redis Labs leads the development of open source Redis. Main projects are shown below.



## RediSearch

★ 840 ⚡ 103

Search engine over Redis

License: [Redis Source Available License](#)

Authors:

 <b>dvirsky</b>	#1
1,225 commits 158,143 ++ 71,132 --	
	



## RedisJSON

★ 459 ⚡ 34

A JSON data type for Redis

License: [Redis Source Available License](#)

Authors:  **itamarhaber**  Redis Labs

 <b>yusaku</b>	#6
5 commits 29 ++ 18 --	
	

## How do I contribute to Redis repositories under RSAL?

Anyone can contribute to any of these projects (including those licensed with RSAL), provided he/she signs our Contributor License Agreement.



geoffrey huntley  
@GeoffreyHuntley



The [@LicenseZero](#), "Prosperity Public License" may just well be my new favourite license. It's "not open-source" by [@OpenSourceOrg](#)'s definitions because of the restrictions in commercial usage and but it's like a more rad version of MIT which prevents company exploitation.

8 3:11 PM - May 25, 2019



## License Zero

gainful open software development

# The Prosperity Public License

To review changes to, and submit feedback about, the Prosperity Public License, visit <https://github.com/licensezero/prosperity-public-license>.

For more information, see the [License Zero Developer's Guide](#).

The Prosperity Public License 2.0.0

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Source Code: {<https://example.com/project>}

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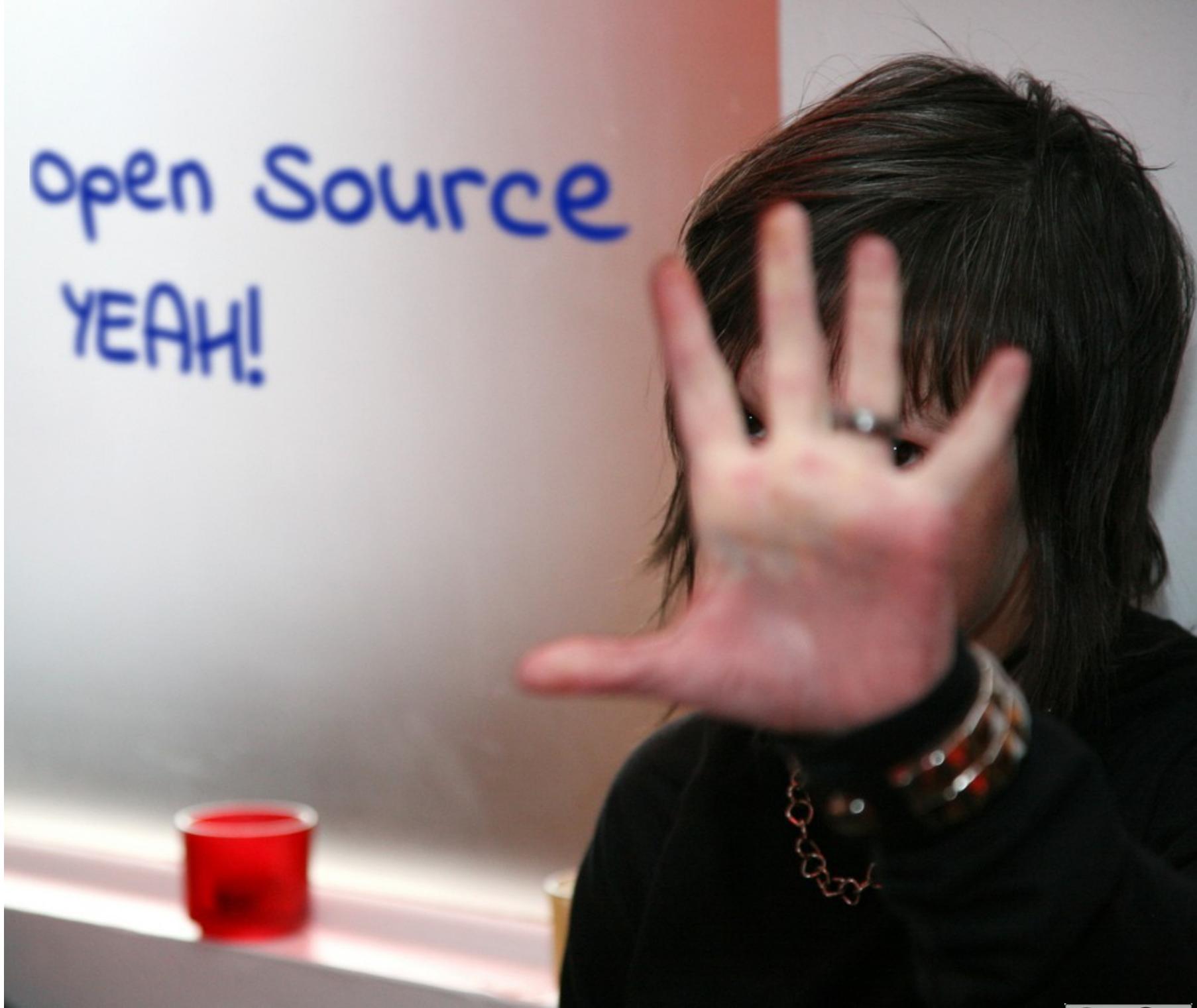
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# Post Open Source

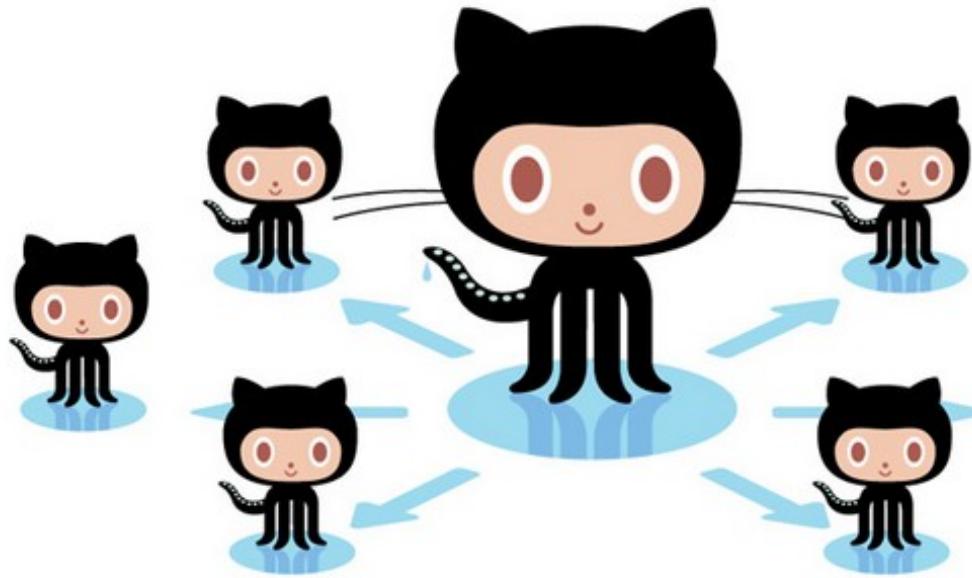
*(free-um to ignore)*



*Image credit: "Talk to the Hand" by Simon Law, (CC BY-SA 2.0)], via Flickr: <https://www.flickr.com/photos/sfllaw/2407885929>*



# THE GITHUB REVOLUTION: WHY WE'RE ALL IN OPEN SOURCE NOW



## The GitHub kids still don't care about open source

By Matt Asay March 30, 2015, 3:12 PM PST // [mjasay](#)

Most GitHub repositories still don't carry a license. This is a problem. Matt Asay explains why.



### OPEN SOURCES

By [Matt Asay](#) | [Follow](#)

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Increasingly, software isn't sold, it's used to power services offered over the Internet. So why contend with the complexities of open source licensing?

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## Study: Most projects on GitHub not open source licensed 44

Kids these days, they just don't care

open  
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.com

DISCOVER AN OPEN SOURCE WORLD

The new software hygiene: Declare a license or risk losing participation

27 Sep 2012 by [Stephen R. Walli](#)

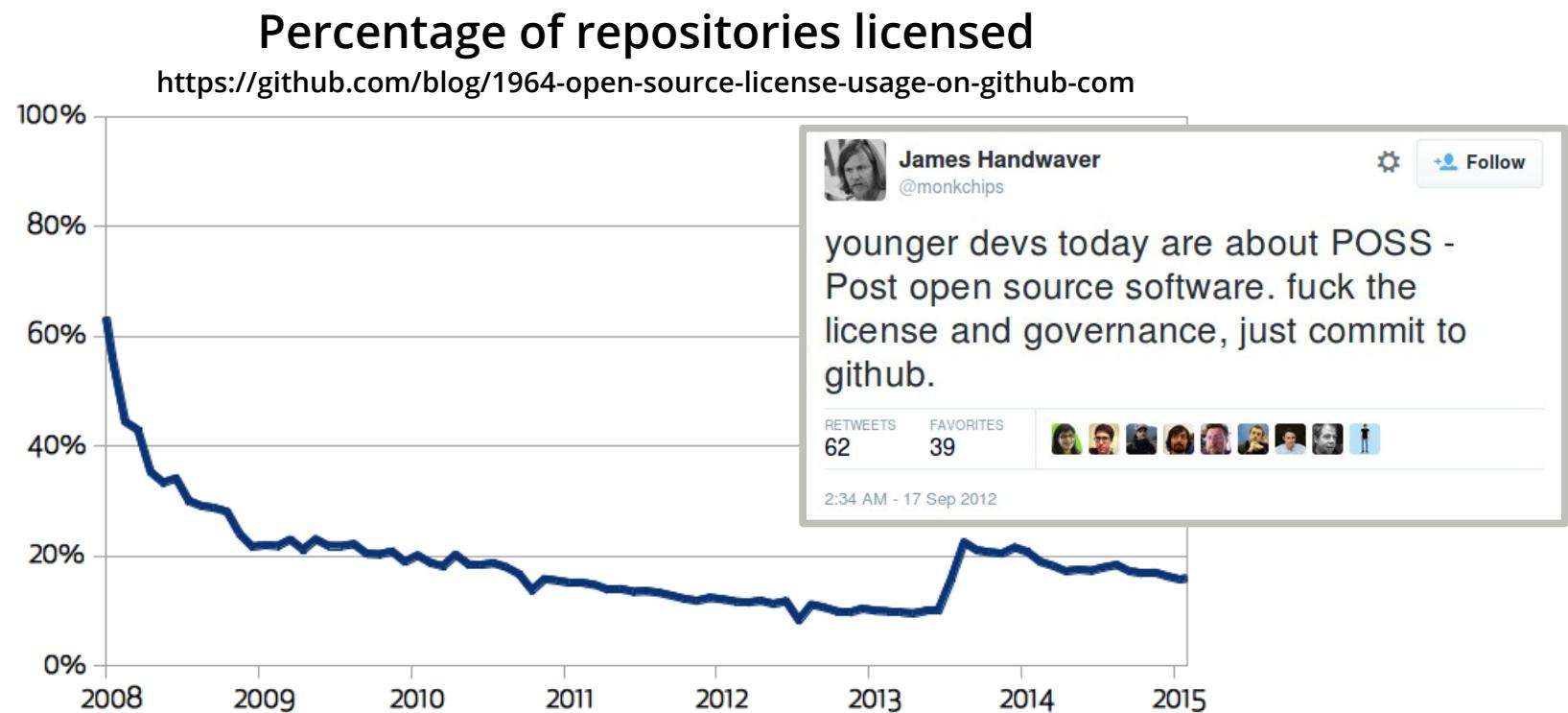
Rating: ★★★★★ (6 votes)



# “Post Open Source”

 ! New Open Source Website/ Web app (self.opensource)  
submitted 9 hours ago by Rautaisetlintu

Hello everyone, I am currently working on a website/web app and I was thinking of making it open source but since I've never made stuff open source what else is needed besides github? Anyone can contribute if they wish.  
Thanks.



# “Post Open Source”

Post Open Source Software

<http://opensource.com/law/13/8/github-posse-licensing>



No explicit license == "all rights reserved"

Richard Fontana, OSI Board Director &  
Intellectual Property Counsel/Open Source Licensing  
and Patent Counsel at Red Hat.

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# Why `requestWhenInUseAuthorization` doesn't prompt the user for access to the location?

Asked 5 years, 6 months ago Active 1 year, 10 months ago Viewed 61k times

In my `viewDidLoad` method I have

74

```
locationManager = [[CLLocationManager alloc] init]; // initializing locationManager
locationManager.delegate = self; // we set the delegate of locationManager to self.
locationManager.desiredAccuracy = kCLLocationAccuracyBest;
[locationManager startUpdatingLocation];

if ([[UIDevice currentDevice] systemVersion] floatValue] >= 8.0) {
    [locationManager requestWhenInUseAuthorization];
}
```

29

29

And the request is called, but the user is not prompted? Why?

[objective-c](#) [xcode](#) [ios8](#) [CLLocationManager](#)

Share Improve this question Follow

edited Apr 9 '19 at 18:08

pkamb  
25.7k ● 19 ● 118 ● 149

asked Aug 6 '15 at 1:37

spen123  
2,874 ● 9 ● 32 ● 49

Also, checking the OS version the way you're doing isn't recommended. Better to use  
`if([locationManager respondsToSelector:@selector(requestWhenInUseAuthorization)])` – Jai Govindani May 5 '16 at 13:58

## The Overflow Blog

↗ Why are video calls so tiring? You might be misreading cultural styles

↗ Podcast 312: We're building a web app, got any advice?

## Featured on Meta

❑ Opt-in alpha test for a new Stacks editor

❑ Visual design changes to the review queues

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}
```

29

🕒

And the request is called, but the user is not prompted? Why?

Laurie  
@laurieontech

Work smarter.

Steal code. 😊

10:19 AM · May 14, 2020 · Twitter for iPhone

65 Retweets 20 Quote Tweets 487 Likes

Visual design changes to the review queues



Laurie @laurieontech · May 14, 2020

...

at 1:37

Replying to @laurieontech

With the obvious caveat that you should make sure you know what that code is doing!

4

5

40

↑

• 32 • 49

Linked

611 Location Services not working in iOS 8

0 iphone: didUpdateLocations not invoked when testing with the simulator

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0 Scope of an object \_objcive-c

Also, checking the OS version the way you're doing isn't recommended. Better to use

```
if ([locationManager
    respondsToSelector:@selector(requestWhenInUseAuthorization)])
```

 - Jai Govindani May 5 '16 at 13:58

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# Why re the loc

Asked 5 years

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}

Laurie @lau

Replying to @

With the obv

is doing!

4

**SIGSEGV** @SIGSEGV23 · May 14, 2020

Replying to @laurieontech

And that you're legally allowed to use the code. There is code that, even if you wrote it yourself, is illegal not just to operate but even to own.

**Кевин** @Kaybarax · May 14, 2020

Replying to @laurieontech

**Johnnie** 🎵 I'm really just here for the pie.... @beerbi... · May 14, 2020

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**Fernando Tucci** 🌐 @JFTucci · May 14, 2020

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It ain't steal if you call it crowdsource



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Create a Team

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# Nissan app developer busted for copying code from Stack Overflow

But anyone who may...

By [Frank Bi](#) | May 4, 2016, 4:56pm EDT

Via [Scott Helme \(Twitter\)](#)

Copying and pasting code from the internet is one of the biggest open secrets in computer programming. And trust me, we all do it. That's because there are question-and-answer sites like StackOverflow.com, where any developer can post a programming-related question and get a response from a fellow developer.

Anyone who may or may not have copied his best friend's English essay in grade school knows the rule: don't copy word for word. You have to come up with the same conclusion using different words, otherwise you risk getting busted.

A developer working on the NissanConnect EV mobile app just got caught red-handed when a [verbatim Stack Overflow answer](#) showed up in the most recent app update.

A screenshot from the latest version of the Nissan ConnectEV app...

[pic.twitter.com/Tseyvwyg3R](https://pic.twitter.com/Tseyvwyg3R)

— Scott Helme (@Scott\_Helme) [May 4, 2016](#)

But the fact that a line of code copied from the internet somehow made its way through the quality assurance process (there *is* a QA process for Nissan apps, right?) and deployed as an update — to an app that manages a car nevertheless — doesn't give me a ton of confidence to Nissan or other connected cars in general.

So the lesson here? Never, ever copy and paste code from the internet you don't understand. I repeat: never copy and paste code from the internet you don't understand.

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Order of UIViewController initialization and loading

Scope of an object \_objcive-c

# The MIT License – Clarity on Using Code on Stack Overflow and Stack Exchange

[Ask Question](#)

509

146

**Update (Dec. 22, 2015):** Thanks, everyone, for your feedback to this proposal. We're going to digest this one over the holidays and should have a follow-up announcement answering your questions and addressing your concerns after the new year. We won't be making any hurried decisions on this topic, and certainly not without ample opportunity to integrate your ideas into the final decision. So continue letting us know what you think. You'll hear again from us soon.

**Update (Jan. 14, 2016):** [The promised follow-up is here, requiring attribution and postponing the change to March 1, 2016.](#)

CC-BY-SA is an ideal license for a crowdsourced knowledge base. We've benefited immensely from it, our community has gained protection through it, and we look forward to CC-BY-SA continuing to cover prose contributions to Stack Overflow and across the network for all of eternity.

But code is a bit different (pun intended), and it's always been a little ambiguous how CC-BY-SA covers code. This has led to uncertainty among conscientious developers as they've struggled to understand what (if anything) the license requires of them when grabbing a few lines of code from a post on Stack Exchange. Uncertainty is a drag on productivity, for you and for us, and we feel obligated to make code use more clear.

**Starting Feb 1, 2016, all new code contributions to Stack Overflow and Stack Exchange will be covered by the [MIT License](#).**

We've been working on this problem for a little while now. We've consulted with the OSI, enlisted the help of a real-life lawyer, and discussed it exhaustively internally. We've come up with a solution that we think is a major improvement upon the status quo.

## Welcome!

Welcome! Meta Stack Exchange is intended for bugs, features, and discussions that affect the whole Stack Exchange family of Q&A sites.

[about](#) » [help](#) »

asked 3 years, 5 months ago

viewed 79,073 times

active 1 year ago

## Featured on Meta

[Unicorn Meta Zoo #3: How do we grade questions?](#)

5 people chatting

# Stefano Zacchiroli

<https://upsilon.cc/~zack/talks/2015/20150322-libreplanet-cloud.pdf>

- FOSS is meant to empower users: The 4 Freedoms
- Source code alone is not enough
- Distributions make it simple for final users to find, install, and maintain FOSS on their computers
  - i.e., distributions turn FOSS from an elitist club, to a publicly available/usable commons - arguably, distributions have won...
- Unfortunately and ironically, users are not "more free" because now all their "interesting" computations (from spreadsheets to word processing, from email to gaming) now happen **"in the cloud", on computers that they don't control which run proprietary software or is not accessible**
- state of the art is: users (might) have completely FOSS "terminals" at their fingertips, which they use to run proprietary applications on someone else's computers



*OSI Board Director,  
Fmr Debian Project Leader*

*Hackers/developers seem to be more tolerant to the lack of control than in the past.*

*Thank you*

masson@opensource.org



---

# **Build Systems**

**unknown**

**Feb 22, 2021**



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RPI Open Source Software - Spring 2021

Brad King, Kitware, Inc.

- Maintainer of CMake
- RPI '00 BS, '08 PhD

Licensed under: CC-BY-SA 4.0 <https://creativecommons.org/licenses/by-sa/4.0/>

Modifications by Wes Turner



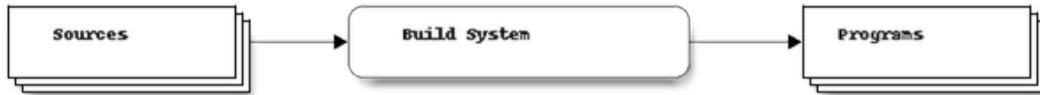
## INTRODUCTION

### 1.1 Reading and Reference Material

- Overview of build systems
  - <https://medium.com/@julienjorge/an-overview-of-build-systems-mostly-for-c-projects-ac9931494444>
- Makefiles
  - <https://www.tutorialspoint.com/makefile/>
- CMake
  - <https://cmake.org/cmake/help/latest/index.html> – read cmake-buildsystem

### 1.2 What is a Build System?

- Specifies how to turn source files into useful programs.



- Organizes code to share among programs.
- Requirements vary by language, tools, and platform; here we focus on C and C++ languages.



## MOTIVATION

### 2.1 One Source File

Consider a source file `hi.c`:

```
#include <stdio.h>
int main() {
    printf("hello\n");
    return 0;
}
```

Compile and run the program:

```
$ cc hi.c -o hi
$ ./hi
hello
```

### 2.2 Build System: Compiler Driver

The compiler driver is a simple build system.

It runs the compiler and linker internally:

```
$ gcc hi.c -o hi -###
ccl hi.c -o /tmp/tmp1.s
as -o /tmp/tmp2.o /tmp/tmp1.s
collect2 -o hi /tmp/tmp2.o -lgcc ...
```

### 2.3 Reusable Source File

Declare a `hello()` function in a `hello.h` header:

```
void hello(void);
```

Implement the function in a `hello.c` source:

```
#include "hello.h"
#include <stdio.h>
void hello(void) {
```

(continues on next page)

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```
printf("hello\n");
}
```

Copy `hi.c` to `hil.c` and update the main program in the `hil.c` source:

```
#include "hello.h"
int main(void) {
    hello();
    return 0;
}
```

Give both source files to the compiler driver:

```
$ cc hil.c hello.c -o hil
$ ./hil
hello
```

The compiler driver runs the compiler and linker internally:

```
$ gcc hil.c hello.c -o hil -###  
ccl hil.c -o /tmp/tmp1.s  
as -o /tmp/tmp2.o /tmp/tmp1.s  
ccl hello.c -o /tmp/tmp3.s  
as -o /tmp/tmp4.o /tmp/tmp3.s  
collect2 -o hil /tmp/tmp2.o /tmp/tmp4.o -lgcc ...
```

## 2.4 Sharing Source Files

Now add a `hi2.c` executable sharing the `hello()` function:

```
#include "hello.h"
int main(void) {
    hello();
    hello();
    return 0;
}
```

Use `hello.c` source file for both programs:

```
$ cc hil.c hello.c -o hil
$ cc hi2.c hello.c -o hi2
$ ./hil
hello
$ ./hi2
hello
hello
```

## 2.5 Build System: Shell Script

List commands in a shell script, e.g. build.sh:

```
cc hi1.c hello.c -o hi1
cc hi2.c hello.c -o hi2
```

Run the script to drive the build:

```
$ sh -x build.sh
+ cc hi1.c hello.c -o hi1
+ cc hi2.c hello.c -o hi2
```

## 2.6 Sharing Source Files

The compiler driver runs the compiler and linker internally:

```
$ gcc hi1.c hello.c -o hi1 -###  
ccl hi1.c -o /tmp/tmp1.s  
as -o /tmp/tmp2.o /tmp/tmp1.s  
ccl hello.c -o /tmp/tmp3.s  
as -o /tmp/tmp4.o /tmp/tmp3.s  
collect2 -o hi1 /tmp/tmp2.o /tmp/tmp4.o -lgcc ...  
$ gcc hi2.c hello.c -o hi2 -###  
ccl hi2.c -o /tmp/tmp1.s  
as -o /tmp/tmp2.o /tmp/tmp1.s  
ccl hello.c -o /tmp/tmp3.s  
as -o /tmp/tmp4.o /tmp/tmp3.s  
collect2 -o hi2 /tmp/tmp2.o /tmp/tmp4.o -lgcc ...
```

- Compiles `hello.c` twice.
- Re-uses source file but not compiler output.

## 2.7 Sharing Object Files

- Compile `hello.c` to an *object file*.
- Use the object file to link each executable.
- Called “separate compilation”.

```
$ sh -x build.sh
+ cc -c hello.c -o hello.o
+ cc hi1.c hello.o -o hi1
+ cc hi2.c hello.o -o hi2
$ ./hi1
hello
$ ./hi2
hello
hello
```

The compiler driver runs the compiler and linker internally:

```
$ gcc hello.c -o hello.o -###  
ccl hello.c -o /tmp/ccjdUPnL.s  
as --64 -o hello.o /tmp/ccjdUPnL.s  
$ gcc hi1.c hello.o -o hi1 -###  
ccl hi1.c -o /tmp/ccYmx5bQ.s  
as --64 -o /tmp/ccZsgmJR.o /tmp/ccYmx5bQ.s  
collect2 -o hi1 /tmp/ccZsgmJR.o hello.o  
$ gcc hi2.c hello.o -o hi2 -###  
ccl hi2.c -o /tmp/cc8bugZV.s  
as --64 -o /tmp/cccpgnU.o /tmp/cc8bugZV.s  
collect2 -o hi2 /tmp/cccpgnU.o hello.o
```

- Compiles `hello.c` only once.

## 2.8 Sharing Multiple Sources

Split `hello.c` into `hello1.c`:

```
#include "hello.h"  
extern void print_hello(const char *s);  
void hello(void) {  
    print_hello("world");  
}
```

and `hello2.c`:

```
#include <stdio.h>  
void print_hello(const char *s) {  
    printf("hello: %s\n", s);  
}
```

```
$ sh -x build.sh  
+ cc -c hello1.c -o hello1.o  
+ cc -c hello2.c -o hello2.o  
+ cc -c hi1.c -o hi1.o  
+ cc -c hi2.c -o hi2.o  
+ cc hi1.o hello1.o hello2.o -o hil  
+ cc hi2.o hello1.o hello2.o -o hi2  
$ ./hil  
hello: world  
$ ./hi2  
hello: world  
hello: world
```

Callers of `hello()` function must use both `hello1.o` and `hello2.o` together, but should not have to know that.

## 2.9 Static Libraries

Create an archive of object files; use to link executables:

```
$ sh -x build.sh
+ cc -c hello1.c -o hello1.o
+ cc -c hello2.c -o hello2.o
+ ar qc libhello.a hello1.o hello2.o
+ cc -c hi1.c -o hi1.o
+ cc -c hi2.c -o hi2.o
+ cc hi1.o libhello.a -o hi1
+ cc hi2.o libhello.a -o hi2
$ ./hi1
hello: world
$ ./hi2
hello: world
hello: world
```

List the object files in the archive:

```
$ ar t libhello.a
hello1.o
hello2.o
```

## 2.10 Shared Libraries

Link object files into a shared library; link executables to it:

```
$ sh -x build.sh
+ cc -fPIC -c hello1.c -o hello1.o
+ cc -fPIC -c hello2.c -o hello2.o
+ cc -shared -o libhello.so hello1.o hello2.o
+ cc -c hi1.c -o hi1.o
+ cc -c hi2.c -o hi2.o
+ cc hi1.o libhello.so -o hi1 -Wl,-rpath='$ORIGIN'
+ cc hi2.o libhello.so -o hi2 -Wl,-rpath='$ORIGIN'
$ ./hi1
hello: world
$ ./hi2
hello: world
hello: world
```

For OSX, we need to use:

```
+ cc hi1.o libhello.so -o hi1 -Wl,-rpath .
+ cc hi2.o libhello.so -o hi2 -Wl,-rpath .
```

View dependency of executable on shared library:

```
$ readelf -d hi1 | grep NEEDED
0x0000000000000001 (NEEDED) Shared library: [libhello.so]
0x0000000000000001 (NEEDED) Shared library: [libc.so.6]
$ readelf -d hi1 | grep RUNPATH
0x000000000000000f (RPATH) Library rpath: [$ORIGIN]
```

For OSX, we need to use:

```
$ otool -l hil
```

## 2.11 Review of File Types

**Source files (\*.c, \*.cpp)** Define “symbols” implementing functions and storage of global data.

**Header files (\*.h, \*.hpp)** Define interfaces shared among source files (e.g. function prototypes).

**Object files (\*.o, \*.obj on Windows)** Compiler output from source files.

**Executables (no extension, \*.exe on Windows)** Object files linked together into programs with `main`.

**Static libraries (\*.a, \*.lib with MS tools)**

- Archives of object files.
- Searched by linker for objects implementing needed symbols.
- All symbols with “extern linkage” exposed publicly.

**Shared libraries (\*.so, .dylib on OSX, \*.dll on Windows)**

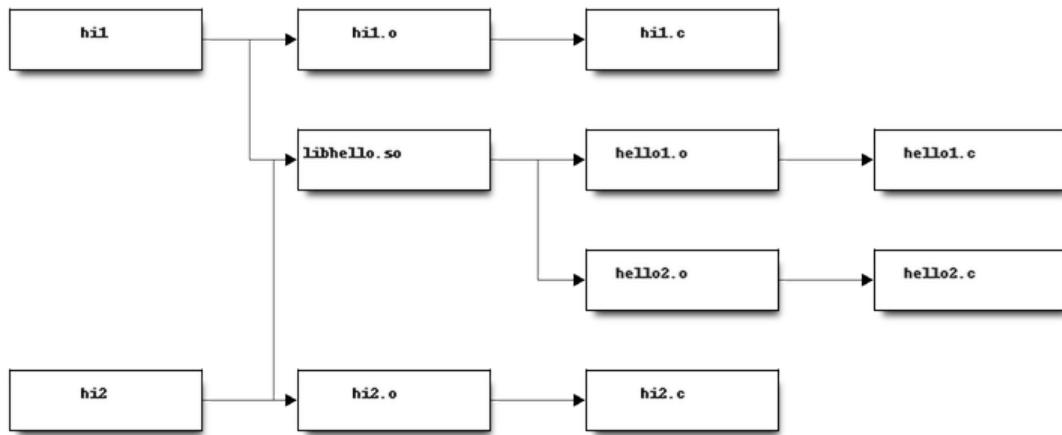
- Objects linked together into libraries loaded by programs at runtime.
- A subset of symbols with “extern linkage” exposed publicly via explicit markup.
- On Windows, associated “import library” (.lib).

## 2.12 Build System: Shell Script

- `build.sh` always runs all commands.
- No concurrency.
- No partial builds.
- No incremental rebuilds.
- Does not scale.
- Rarely used in practice.

## BUILD SYSTEM: MAKE

### 3.1 Build Dependencies



### 3.2 Makefile

A Makefile expresses build dependencies:

```
all: hi1 hi2
hi1: hi1.o libhhello.so
hi2: hi2.o libhhello.so
hi1.o: hi1.c
hi2.o: hi2.c
libhhello.so: hello1.o hello2.o
hello1.o: hello1.c
hello2.o: hello2.c
```

A Makefile also specifies build commands:

```
all: hi1 hi2
clean:
    rm hi1 hi2 hi1.o hi2.o libhhello.so hello1.o hello2.o
hi1: hi1.o libhhello.so
```

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```
cc hi1.o libhello.so -o hi1 -Wl,-rpath='$$ORIGIN'  
hi2: hi2.o libhello.so  
      cc hi2.o libhello.so -o hi2 -Wl,-rpath='$$ORIGIN'  
hi1.o: hi1.c  
      cc -c hi1.c -o hi1.o  
hi2.o: hi2.c  
      cc -c hi2.c -o hi2.o  
libhello.so: hello1.o hello2.o  
      cc -shared -o libhello.so hello1.o hello2.o  
hello1.o: hello1.c  
      cc -fPIC -c hello1.c -o hello1.o  
hello2.o: hello2.c  
      cc -fPIC -c hello2.c -o hello2.o
```

### 3.3 Run Make Tool

Run make tool to drive build process:

```
$ make  
cc -c hi1.c -o hi1.o  
cc -fPIC -c hello1.c -o hello1.o  
cc -fPIC -c hello2.c -o hello2.o  
cc -shared -o libhello.so hello1.o hello2.o  
cc hi1.o libhello.so -o hi1 -Wl,-rpath='$ORIGIN'  
cc -c hi2.c -o hi2.o  
cc hi2.o libhello.so -o hi2 -Wl,-rpath='$ORIGIN'  
$ ./hi1  
hello: world  
$ ./hi2  
hello: world  
hello: world
```

The make tool checks timestamps, follows dependencies:

```
$ make  
make: Nothing to be done for 'all'.  
$ touch hello2.c  
$ make  
cc -fPIC -c hello2.c -o hello2.o  
cc -shared -o libhello.so hello1.o hello2.o  
cc hi1.o libhello.so -o hi1 -Wl,-rpath='$ORIGIN'  
cc hi2.o libhello.so -o hi2 -Wl,-rpath='$ORIGIN'  
$ make  
make: Nothing to be done for 'all'.
```

## 3.4 Implicit Dependencies

Header files (\*.h) are *implicit* dependencies of compilation:

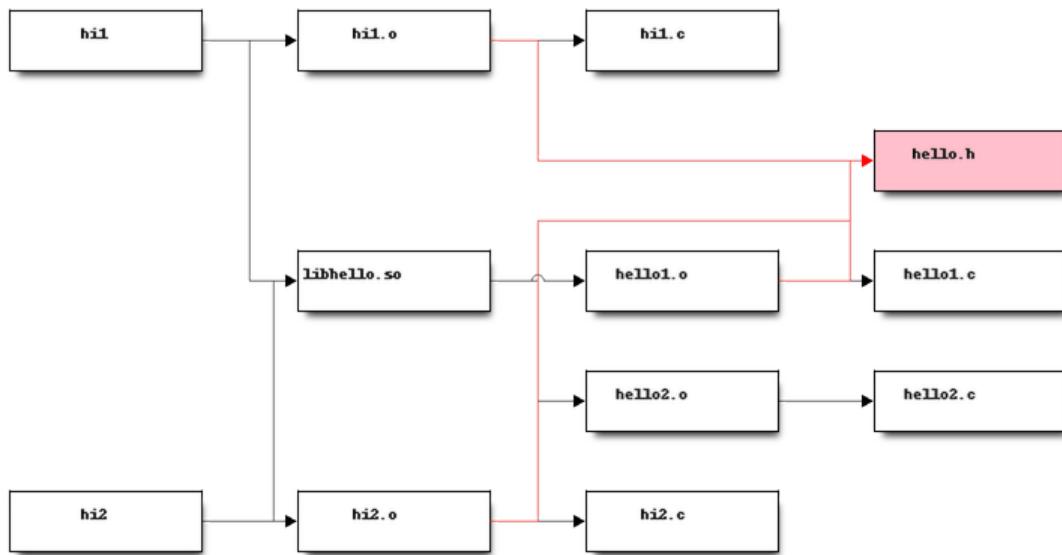
```
$ grep hello.h *.c
hello1.c:#include "hello.h"
hi2.c:#include "hello.h"
hil.c:#include "hello.h"
```

The compiler can tell us about dependencies:

```
$ gcc -MM hello1.c -MT hello1.o
hello1.o: hello1.c hello.h
```

Implicit dependencies not yet expressed in our Makefile:

```
$ touch hello.h
$ make
make: Nothing to be done for 'all'.
```



## 3.5 Makefile: Implicit Dependencies

Extend our Makefile with implicit dependencies:

```
hil.o: hello.h
hi2.o: hello.h
hello1.o: hello.h
```

```
$ make
cc -c hil.c -o hil.o
cc -fPIC -c hello1.c -o hello1.o
```

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```
cc -shared -o libhello.so hello1.o hello2.o
cc hi1.o libhello.so -o hi1 -Wl,-rpath='$ORIGIN'
cc -c hi2.c -o hi2.o
cc hi2.o libhello.so -o hi2 -Wl,-rpath='$ORIGIN'
```

Everything but `hello2.o` rebuilds when `hello.h` changes.

## 3.6 Build System: Make

- Features:
  - Dependencies enable efficient, concurrent (re-)builds.
- Limitations:
  - Tricky to maintain implicit dependencies.
  - Platform- and tool-specific tables of commands.
  - Build rules do not re-run when commands change.
  - Need manual rules for “install” and “clean” operations.
  - Not reusable with IDEs like Visual Studio and Xcode.

## 3.7 Build System: MSBuild

Underlies Visual Studio 2010+ builds.

```
<Project DefaultTargets="Build" ToolsVersion="12.0" ...>
  ...
  <ItemGroup>
    <ClCompile Include="hi1.c" />
  </ItemGroup>
  <ItemGroup>
    <ProjectReference Include="hello.vcxproj">
      <Project>158CE2ED-F99F-4D09-A981-CF4C46D9A63B</Project>
    </ProjectReference>
  </ItemGroup>
  ...
</Project>
```

- Features:
  - Create and update through Visual Studio IDE.
  - Handles implicit dependencies automatically.
  - Built-in “clean” operations.
- Limitations:
  - Platform- and tool-specific. Not portable.
  - Need manual rules for “install” operations.
  - Difficult to merge version control branches.

## 3.8 Example Build Systems

- **Make**: Canonical dependency-based build system.
- **Ninja**: An “assembly language for build systems”. Designed to be generated.
- **MSBuild**: Underlies Visual Studio 2010+ builds.
- **Waf, Scons**: Python-based build system frameworks.



---

## CHAPTER FOUR

---

# GENERATING BUILD SYSTEMS

## 4.1 Where Do We Go From Here?

- <https://www.slant.co/topics/4263/~open-source-build-systems-for-c-c>

The screenshot shows a Slant topic page titled "What are the best open-source build systems for C/C++?". The page has 19 options considered and 277 user recommendations. The last update was 22 seconds ago. The main table lists five build systems: Ninja, CMake, GNU Make, Tup, and Premake. Each entry includes a small icon, the name, price (marked as free), platforms (Windows, Linux, Mac for most), and the last update date. A "SEE FULL LIST" button is at the bottom of the table. To the right, there's a sidebar with related questions like "Best open-source version control systems for artists" and "Best open-source documentation generators for C/C++". At the bottom, there's a section for "Activity" and a recommendation for "Ninja, a Small Build System".

BEST OPEN-SOURCE BUILD SYSTEMS FOR C/C++		PRICE	PLATFORMS	LAST UPDATED
89	Ninja	-	Windows, Linux, Mac	Feb 18, 2021
82	CMake	-	Windows, Linux, Mac	Feb 18, 2021
77	GNU Make	-	Unix, Linux, Windows, Mac	Feb 18, 2021
...	Tup	-	Windows, Linux, Mac	Jun 6, 2020
...	Premake	-	Windows, Linux, Mac	Dec 23, 2020

SEE FULL LIST

**Related Questions**

- Best open-source version control systems for artists
- Best open-source distributed version control systems
- Best open source CBA (Computer-Based Assessment) system
- Best Youtube channels for Linux content
- Best cross-distribution package management systems for Linux
- Best permissive licensed operating systems
- Best Java-based open source frameworks to build websites (not web applications)
- Best open-source C/C++ compilers
- Best open-source command line image conversion tools
- Best open-source documentation generators for C/C++

**Activity**

**89 / Ninja**  
Ninja, a Small Build System

## 4.2 Build System Generators

Transform a common input specification into platform- and tool-specific build files. Examples:

- **GNU Build System (autotools)**: Generates `configure` script for distribution with source code to generate GNU make build files for local system.
- **CMake**: Generates for Make, Ninja, Visual Studio, or Xcode build files for local system.
- **Premake, GYP**: Generate re-distributable GNU Make, Visual Studio, and Xcode build files.

## 4.3 CMake

- Created by [Kitware](#) in 2000 to support cross-platform builds for the [Insight Toolkit](#). Sponsored originally by the [US NLM](#).
- Generalized incrementally over time.
- [KDE \(K Desktop Environment\)](#) switched to CMake in 2006; kicked off widespread adoption.
- How to: [https://community.kde.org/Guidelines\\_and\\_HOWTOs/CMake](https://community.kde.org/Guidelines_and_HOWTOs/CMake)
- Now de-facto standard for cross-platform C, C++, and Fortran projects.
- Homepage: <https://cmake.org>
- Documentation: <https://cmake.org/cmake/help/latest/>

## 4.4 CMake Example Code

Create a `CMakeLists.txt` file for our example:

```
cmake_minimum_required(VERSION 3.0)
project(Hello C)

add_library(hello SHARED hello1.c hello2.c hello.h)

add_executable(hi1 hi1.c)
target_link_libraries(hi1 hello)

add_executable(hi2 hi2.c)
target_link_libraries(hi2 hello)
```

## 4.5 Running CMake

Make an *out-of-source* build directory and run `cmake` tool:

```
$ mkdir build && cd build
$ cmake ..
...
-- Build files have been written to: /....build
$ ls
CMakeCache.txt
```

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```
CMakeFiles/
cmake_install.cmake
Makefile
```

Run make tool to drive the actual build:

```
$ make
Scanning dependencies of target hello
[ 14%] Building C object CMakeFiles/hello.dir/hello1.c.o
[ 28%] Building C object CMakeFiles/hello.dir/hello2.c.o
[ 42%] Linking C shared library libhello.so
[ 42%] Built target hello
Scanning dependencies of target hi1
[ 57%] Building C object CMakeFiles/hi1.dir/hi1.c.o
[ 71%] Linking C executable hi1
[ 71%] Built target hi1
Scanning dependencies of target hi2
[ 85%] Building C object CMakeFiles/hi2.dir/hi2.c.o
[100%] Linking C executable hi2
[100%] Built target hi2
```

Inspect results:

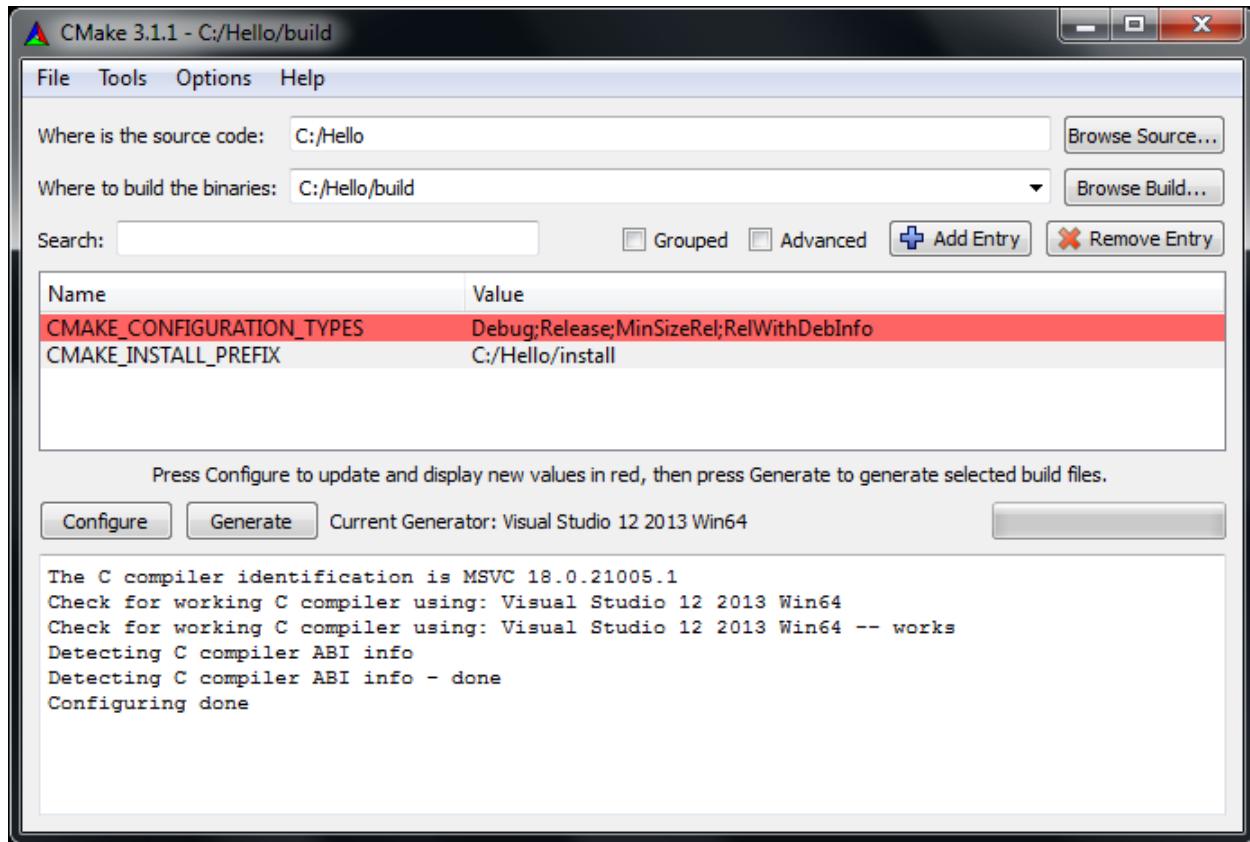
```
$ ls
CMakeCache.txt
CMakeFiles/
cmake_install.cmake
hi1
hi2
libhello.so
Makefile
$ ./hi1
hello: world
$ ./hi2
hello: world
hello: world
```

## 4.6 CMake-generated Makefiles

- Use platform- and tool-specific commands.
- Handle implicit dependencies automatically.
- Provide rules for “install” and “clean” operations.
- Display description of each step with progress percentage.
- Maintain pristine source with *out-of-source* builds.

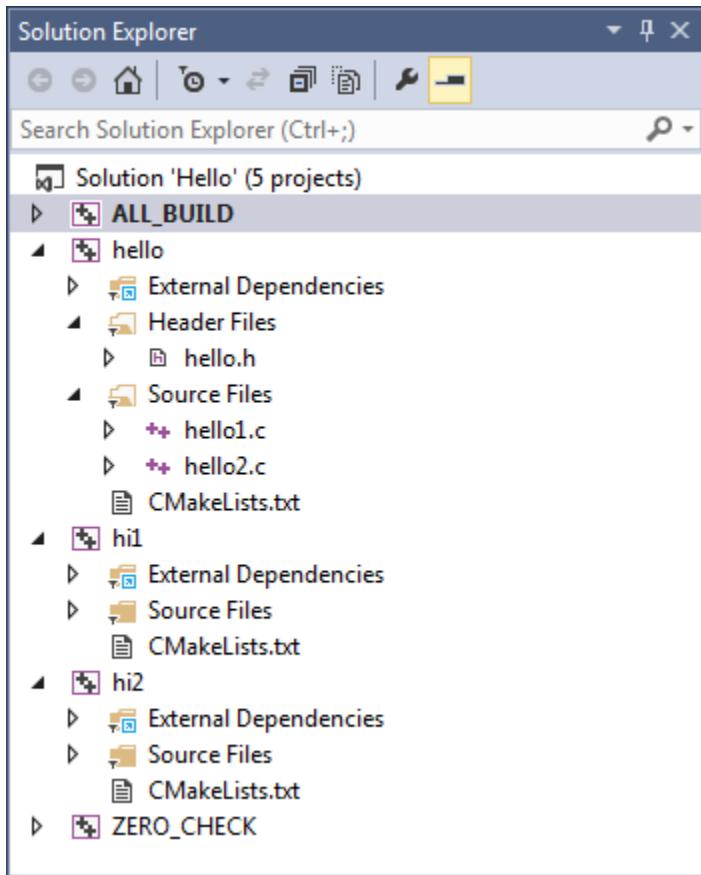
### 4.7 CMake GUI

Optionally use a GUI instead of a command prompt:



### 4.8 CMake-generated VS Project

Generated Visual Studio IDE project:



## 4.9 CMake Syntax Primer

- See the `cmake-language(7)` manual.
- `CMakeLists.txt` files denote source directories.
- `*.cmake` files implement modules and scripts.

```
# line comment
#[[bracket comment]]
set(VAR1 a) # "a"
set(VAR2 a b c) # "a;b;c"
message(${VAR2} "\n" # "abc" (unquoted)
      "${VAR2}" "\n" # "a;b;c" (quoted)
      [[$VAR2]] "\n" # "${VAR2}" (bracket)
      )
```



## CONCLUSION

### 5.1 Build Systems Summary

- Turn sources into programs.
  - Organize code to share among programs.
  - Encode build dependencies.
  - Generated for portability and scale.
  - CMake used widely for C, C++, and Fortran.
- 

- Your next lab session will focus on Make and CMake.
- Thank You