

Suggestions to Scale your Open Source Legal Support

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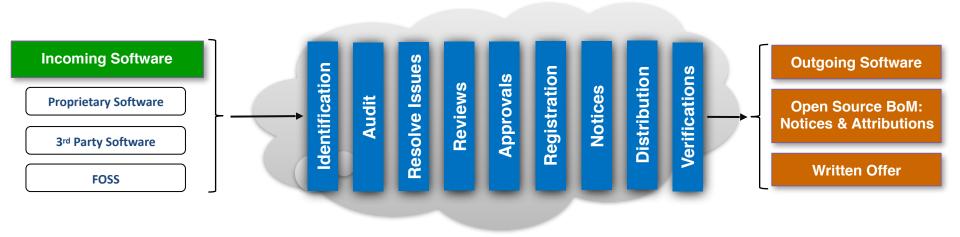
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Disclaimers



Generic Usage / Compliance Process



For a detailed discussion about the compliance process, please refer to the Linux Foundation compliance publications available from http://compliance.linuxfoundation.org.

People Involved in the Compliance Process

- Developers / Software Architect
- Open Source Compliance Staff
- Software Development Managers
- Legal Counsel
- Compliance Officer

For a detailed discussion about the roles of teams and individuals responsible for ensuring open source compliance, please refer to the Linux Foundation compliance publications available from http://compliance.linuxfoundation.org.

Role of Legal Counsel in the Compliance Process

Core responsibilities include:

- 1. Advise on open source licensing
- 2. Provide approval around the use of open source in products
- 3. Contribute to establishing and running the compliance program
- 4. Provide training around open source licenses, policies and guidelines



How can we scale open source legal support?



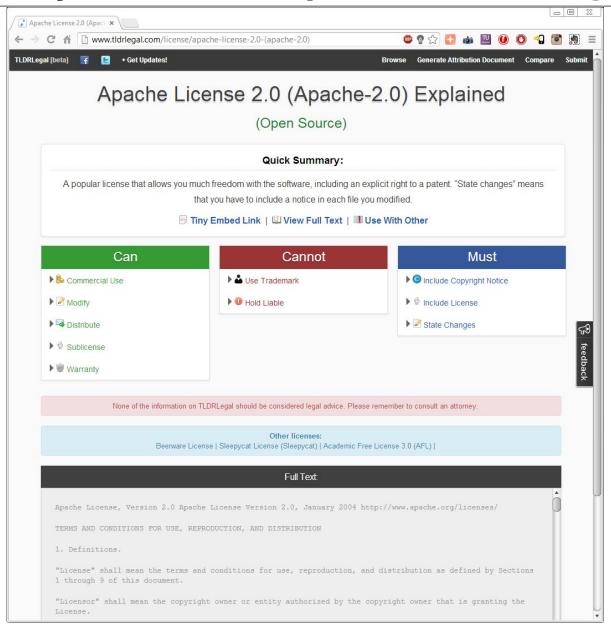
Practical Legal Advice at Your Fingertips

- License playbooks
- License compatibility information
- License classification information
- Approved software interaction methods
- Checklists

1. License Playbooks

- An easy to read and understand summary of licenses intended for software developers.
- For each commonly used license provide a playbook that includes:
 - Name / Version / URL
 - Executive Summary
 - Grant
 - Limitations
 - Warranty
 - Obligations
 - Patent Notes
 - Etc.

License Playbook - Example from tldrlegal.com

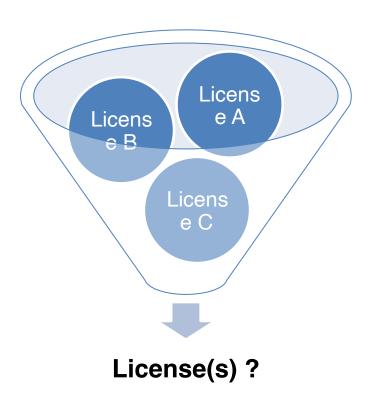


License Playbook - Example from tldrlegal.com



2. Compatibility Matrix

License compatibility issues arises when developers combine source code incoming from different source into a single work.



Incoming Licenses = A + B + COutgoing License(s) = ?

License Compatibility Matrix

A license compatibility matrix is an easy visual method to identify if License-A is compatible with License-B.

• A license compatibility matrix is prepared by Legal Counsels for the 10-15 most used licenses.

License Compatibility Matrix – Simple View

Is Compatible With:	License-A	License-B	License-C	License-D	License-E	License-F	License-G
License-A	Х				X	X	
License-B		Х					
License-C			Х				
License-D		Х		Х			Х
License-E					Х		
License-F			Х			Х	
License-G	Х						Х

License Compatibility Matrix: Elaborate Example

		I want to release a project under:						
		GPLv2 only	GPLv2 or later	GPLv3 or later LGPLv2.1 only		LGPLv2.1 or later	LGPLv3 or later	
I want to copy code under:	GPLv2 only	ок	OK [<u>2]</u>	NO	OK: Convey project under GPLv2 only [7]	OK: Convey project under GPLv2 only [7][2]	NO	
	GPLv2 or later	OK [<u>1]</u>	ок	ок	OK: Convey project under GPLv2 or later [7]	OK: Convey project under GPLv2 or later [7]	OK: Convey project under GPLv3 [8]	
	GPLv3	NO	OK: Convey project under GPLv3 [3]	ок	OK: Convey project under GPLv3 [7]	OK: Convey project under GPLv3 [7]	OK: Convey project under GPLv3 [8]	
	LGPLv2.1 only	OK: Convey code under GPLv2 [7]	OK: Convey code under GPLv2 or later [7]	OK: Convey code under GPLv3 [7]	ок	OK [6]	OK: Convey code under GPLv3 [7][8]	
	LGPLv2.1 or later	OK: Convey code under GPLv2 [7][1]	OK: Convey code under GPLv2 or later [7]	OK: Convey code under GPLv3 [7]	OK [<u>5]</u>	ок	OK	
	LGPLv3	МО	OK: Convey project and code under GPLv3 [8][3]	OK: Convey code under GPLv3 [8]	OK: Convey project and code under GPLv3 [7][8]	OK: Convey project under LGPLv3 [4]	OK	
I want to use a library under:	GPLv2 only	ок	OK [2]	NO	OK: Convey project under GPLv2 only [7]	OK: Convey project under GPLv2 only [7][2]	NO	
	GPLv2 or later	OK [1]	ок	OK	OK: Convey project Inder GPLv2 or later [7]	OK: Convey project under GPLv2 or later [7]	OK: Convey project under GPLv3 [8]	
	GPLv3	NO	OK: Convey project under GPLv3 [3]	OK	OK: Convey project under GPLv3 [7]	OK: Convey project under GPLv3 [7]	OK: Convey project under GPLv3 [8]	
	LGPLv2.1 only	ок	ок	ок	ок	ок	ок	
	LGPLv2.1 or later	ок	OK	ок	OK	OK	ок	
	LGPLv3	NO	OK: Convey project under GPLv3 [9]	OK	OK	OK	ок	

License Compatibility Matrix: Look at the Sources

- GNU.org
- Apache.org
- CreativeCommons.org
- Etc.

3. Classification

• An easy way to understand the approval process for different licenses and the course of action needed when using these licenses.

License Classification – Example 1

Example of classification system is to rank licenses from 0 to 5 where:

- 5 Pre-approved [Licenses: A, B, E, K]

- 4 High chance of approval [Licenses: C, G,J]

- 3 Medium chance of approval [etc.]

- 2 Low chance of approval [etc.]

- 1 Not approved – against policy [Licenses: F, L]

License Classification – Example 2

Another example of classification system:

<u>Permissive</u>	Modifications to be released	Patent Clause	Not Allowed
License-A License-B License-C License-D	License-F License-G	License-H License-I License-K	License-L License-M
Notes: Source code licensed under these licenses is pre-approved and can be combined with proprietary software.	Notes: Modifications made to source code licensed under these license must be released back	Notes: Due to patent clause, you must discuss with legal counsel about your planned usage.	Notes: Company policy prohibits use of source code under these licenses.
Pre-approved	Requires approval of	Requires Legal	Not approved

engineering manager

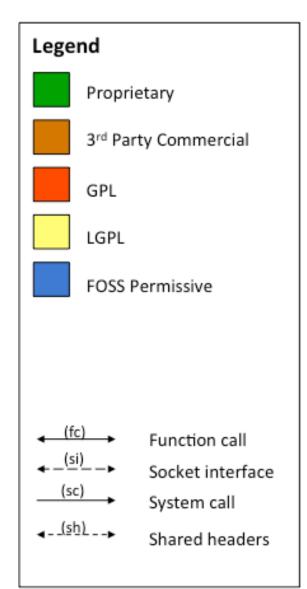
Counsel

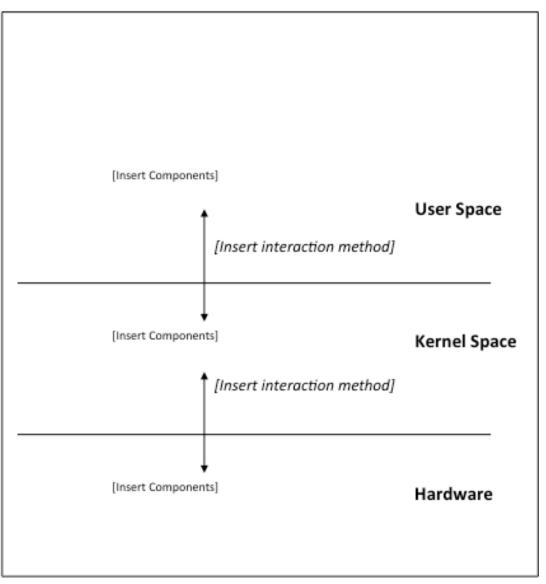
4. Approved Software (License) Interactions

The goal is to understand how that specific software component interacts with other software components and the method of interaction:

- Components that are Open Source (used "as is" or modified)
- Components that are proprietary
- Components that are originating from third party software providers
- Components dependencies
- Communication protocols
- Linkage method Dynamic versus static linking
- Components that live in kernel space versus user space
- Use of shared header files
- Etc.

Software Interactions





Software Interactions

Can Dynamically Link To	License-A	License-B	License-C	License-D
License-A	X	Х	X	X
License-B		Х		Х
License-C	X		X	
License-D		Х	[Requires approval]	Х

Can Statically Link To	License-A	License-B	License-C	License-D
License-A	X		X	
License-B		Х	[Requires approval]	
License-C	Х		Х	
License-D	[Requires approval]			Х

5. Checklists

Establish a checklist for most milestones:

- A checklist before approving integrating incoming code into your product's source code repository
- A checklist to ensure you fulfilled the obligations
- A checklist for developers
- A checklist for engineer managers
- A checklist for compliance staff
- Etc.



• After regular use, checklists become a default behavior.

Checklists – Example

Checklist for use before posting code on the web site (license obligation fulfillment):

- All source code components have a corresponding compliance ticket
- All compliance tickets have been approved by engineering and legal
- All compliance tickets are clear from any sub-tasks attached to them
- Notices for all of the software components have been sent to Documentation team and included in product documentation (including written offer)
- Legal has approved the written offer notice and overall compliance documentation
- Source code packages have been prepared and tested to compile on a standard development machine
- Source code provided is complete and corresponds to the binaries in the product



Benefits



Benefits to Providing Practical Legal Advice

Easy access to commonly asked questions / use cases / scenarios

Increase bandwidth of Legal Counsel supporting open source

- Fewer legal bottlenecks in enabling open source adoption and usage
- Documented open source legal practical guidelines, Do's and Don'ts

Minimize engineering frustration surrounding open source legal stuff



Thank you.

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