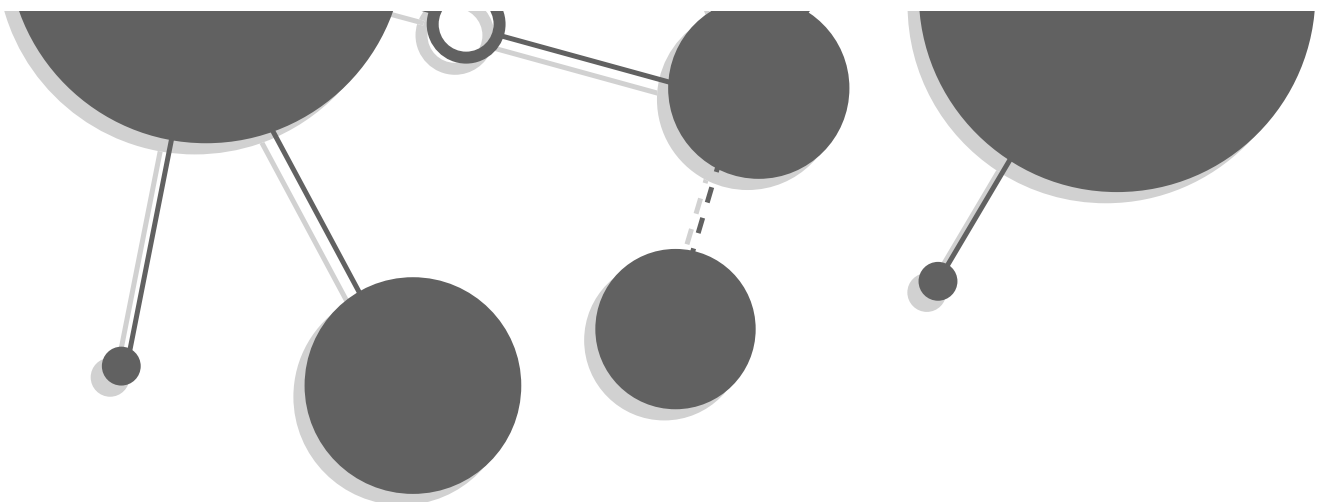


# OPEN SOURCE AUDITS IN MERGER AND ACQUISITION TRANSACTIONS

The Basics You Must Know



# Open Source Audits in Merger and Acquisition Transactions

## The Basics You Must Know

**By Ibrahim Haddad, Ph.D.**

This ebook provides an overview and practical guide to open source audits in merger and acquisition (M&A) transactions and offers basic guidelines to improve open source compliance preparedness.

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# 1 Introduction

**We live in an era defined by software. Virtually everything we do is in some way planned, shaped, analyzed, and managed by software. Within that large software umbrella, open source software is king. Companies across all industries are racing to use, participate in, and contribute to open source projects for the various advantages they offer—from the ability to leverage external engineering resources that accelerate time to market, to enabling faster innovation.**

This idea also applies to corporate transactions, as virtually any technology acquisition will involve software in some form. The software due diligence process, in which the acquirer performs a comprehensive review of the target's software and their compliance practices, is becoming a standard part of any merger or acquisition. During this process it's common to encounter open source software, which presents a set of verification challenges different from proprietary software.

Here, we provide an overview of the open source audit process in merger and acquisition (M&A) transactions.

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# 2

## Common open source usage scenarios

**Before diving into the open source due diligence process, it helps to understand the various ways that open source software can be incorporated into a target's development process.** This applies to situations where the company knowingly or unknowingly incorporates open source software into their source code base. As with traffic tickets, ignorance of your obligations is no excuse, so it is wise to understand the various ways that software from multiple sources can be used. The most common use scenarios of open source software are incorporation, linking, and modification.

Making changes to open source components, or injecting open source code in proprietary or third-party components, can affect the way that audit service providers discover and report such code. When engaging with an open source audit provider, it is often helpful to understand how their discovery approach captures open source code.

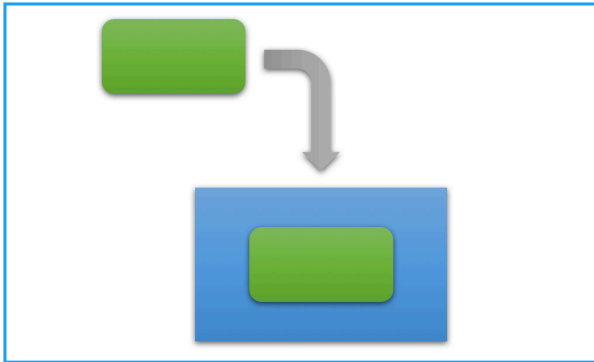
## 2.1 Incorporation

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A developer may use a complete open source component or copy portions of a component (sometimes referred to as snippets) into their software products. Such a scenario may be acceptable and does not pose any license risk depending on the license of the open source code that was incorporated and the license of the software component it was copied into. However, in some cases, incorporation can cause issues when the license of the copied open source code is incompatible with the license of the proprietary codebase (Figure 1).

Open source licenses come with a variety of obligations that may impact the company's legal responsibilities and the proprietary nature of their

code, so all incorporation should be tracked, declared, and approved internally following the same process used for tracking and approving third-party licensed software.



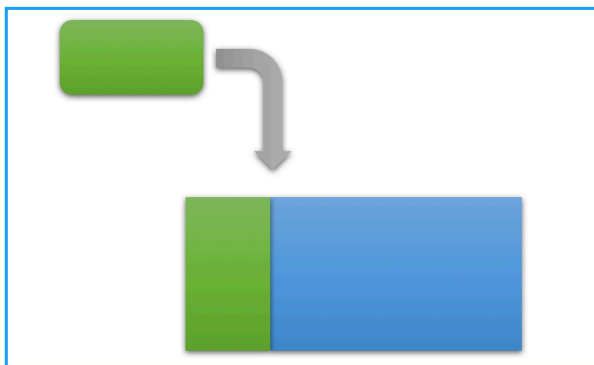
*Figure 1: Incorporating open source code (green) within another body of code (blue)*

Source code audits are designed to find undeclared incorporation of open source into a codebase, to avoid unpleasant surprises post-acquisition. The likelihood of undeclared incorporation increases when the target has not had sufficient training on open source compliance or has relied upon contractors or interns who don't maintain long-term records.

The incorporation scenario is often not obvious when human eyes look at source code, but source code scanning tools with the ability to discover and match snippets can easily uncover such incorporation.

## 2.2 Linking

Linking is a common scenario when using open source libraries, for example. In this scenario, a developer may link an open source software component with their software component (Figure 2). There are several terms that can refer to such a scenario, including static/



*Figure 2: Linking open source code (green) with another body of code (blue)*

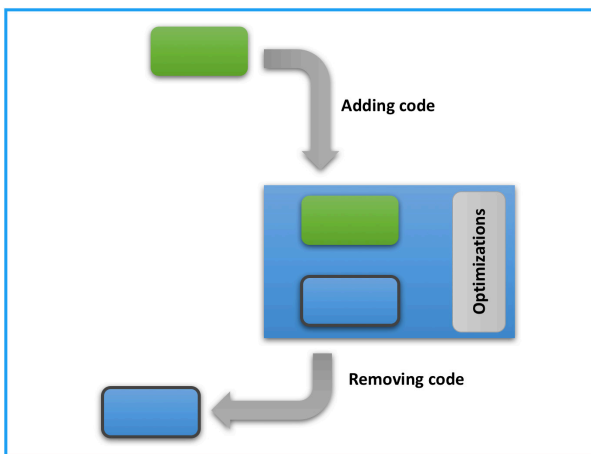
dynamic linking, combining, packaging, or creating interdependencies. It is often easy to detect linking when visually scanning source code because libraries are generally



included at the beginnings of files and the linked code is likely to be in a separate named directory or file.

Linking differs from incorporation in that the source code is kept separate, rather than being copied into a single combined form. Linking interactions happen either when the code is compiled into a single executable binary (static linking), or when the main program runs and calls the linked program (dynamic linking).

## 2.3 Modification



*Figure 3: Modifications applied by developers to open source code (green)*

Modification is a scenario where a developer makes changes to an open source software component (Figure 3), including:

- Adding/injecting new code into the open source software component.
- Fixing, optimizing or making changes to the open source software component.
- Deleting or removing code.

## 2.4 Note on development tools

It is important to be aware that certain development tools may perform some of these operations transparently. For example, a developer may use a tool that automates certain portions of the development process. Examples of this include graphics frameworks that provide user interface templates, game development platforms that provide physics engines, or software development kits (SDKs) that provide connectors to cloud

services. To provide these services, a tool must usually inject portions of its own code into the developer's work product when the code is built. The license for such injected code by development tools should be verified—especially because the resulting work is often statically linked.

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# 3

## Open source audits

**Every M&A transaction is different, but the need to verify the impact of acquiring open source obligations is a constant.** Open source audits are carried out to understand the depth of use and the reliance on open source software. Additionally, they offer great insights about any compliance issues and even about the target's engineering practices.

### 3.1 Why conduct an open source audit?

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Open source licenses may impose restrictions on how software can be redistributed. They may be incompatible with the acquiring company's business and should be uncovered early. Examples of ways open source software can impact the acquired assets include:

- Open source licenses usually impose certain obligations that must be fulfilled when code is distributed. One example is the GNU General Public License (GNU GPL), which requires derivatives or combinations to be made available under the same license as well. Other licenses require certain notices in documentation or have restrictions for how the product is promoted.
- Failure to satisfy open source license obligations can lead to possible litigation, expensive re-engineering, product recalls, and bad publicity.

### 3.2 Should you commission an open source audit?

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One common question is whether an open source audit is needed at all. The answer to that question differs by company, purpose of acquisition, and size of the source code. For instance, for small acquisitions, some companies prefer to just review the open source bill of materials (BoM)

provided by the target (assuming it is available) and have a discussion with their engineering lead about their open source practices. Even if the purpose of the acquisition is to acquire the talent, an audit can help uncover whether there are undisclosed liabilities due to historical license obligations from products which already shipped.

### 3.3 Inputs and outputs

The audit process has one primary input and one primary output (Figure 4). The input to the process is the complete software stack subject to the M&A transaction that is being conducted. This includes proprietary, open source and 3rd party software. On the end side of the process, the primary output is a detailed open source software bill of material that lists:

- All open source software used as component, their origin and confirmed licenses, and
- All open source snippets used in either proprietary or third-party software, their originating components, and confirmed licenses.

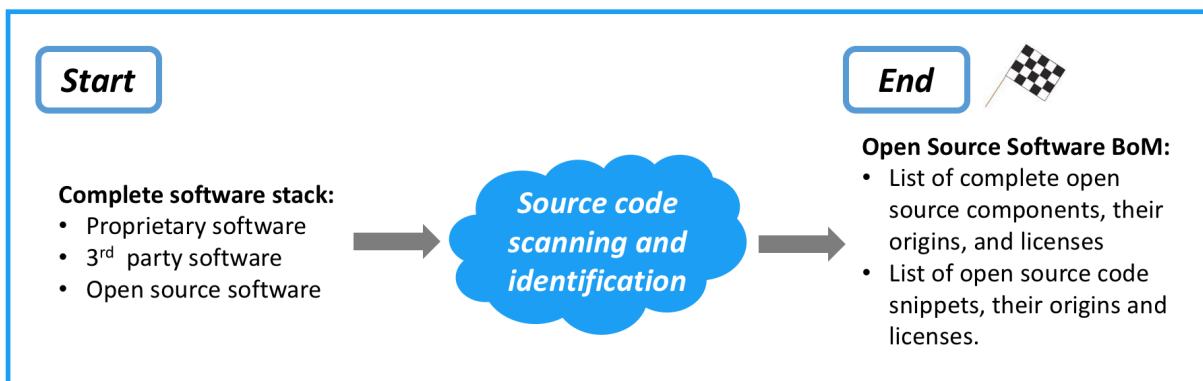


Figure 4: Inputs and outputs of due diligence process

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# 4

## Assessing the scope of an audit job

**The size, scope, and cost of an audit varies by transaction, and generally increases with source code size and complexity. To provide a quote (cost and time) for an open source audit, the auditor needs to get some basic understanding of the size and characteristics of the code base, as well as the urgency of the project.**

The first questions from the auditor will be related to code metrics, such as the size of the source code base, the number of lines of source code, and the number of files that need to be audited. They will also ask if the codebase consists exclusively of source code, or if it includes binary files, configuration files, documentation, and possibly other file formats. Sometimes, it is also helpful for the auditor to know the file extensions subject to the audit.

Mature companies generally keep records about the open source components and versions used in their products and projects. Such information is very helpful and increases an auditor's understanding of the expected workload.

Because audit price discussions happen early in the process based on size and scope, the acquirer may not have access to all the information described above. At minimum, the auditor needs to understand the number of files to be scanned before proceeding, although additional information will help refine the estimates. When the auditor has enough information to understand the scope of the work, they will also need to understand the urgency, as this has a significant impact on the cost of an audit.

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# 5

## Audit methods



**When performing an open source audit, certain features in the tools provide meaningful value to the acquirer.** One of the most important features is the ability to search for open source code snippets that have been mixed into the proprietary code of the target company, and vice versa. Another feature is the ability to automatically eliminate false positives from the audit results, thus minimizing the amount of labor needed to do so manually.

There are three audit methods:

1. Traditional audit, in which the auditor gets complete access to all the code and executes the audit either remotely or on site.
2. Blind audit, in which the auditor does the work remotely and without ever seeing the source code.
3. “Do It Yourself” audit, where the target company or the acquirer performs most of the actual audit work themselves using the tools with the option for a random verification of results from the auditing company.

### 5.1 Traditional audit method

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I refer to this method as traditional, because it is the original method of source code scanning for open source compliance purposes. Traditional audits are those where a compliance auditor from a third-party auditing company gets access to the source remotely via a cloud system or physically while visiting on site and performs the source code scan.

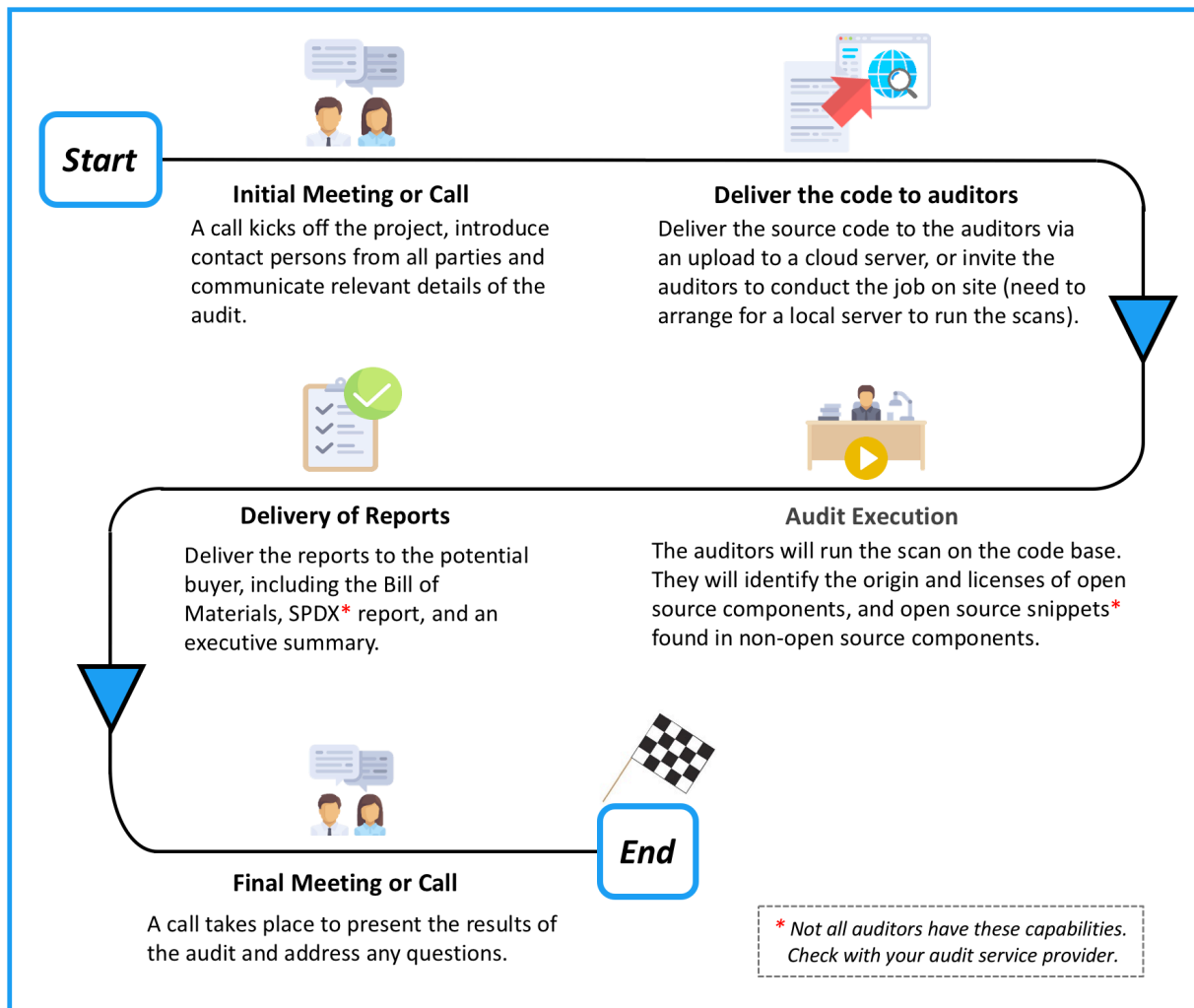


Figure 5: Illustration of the traditional audit method in M&A transactions

Figure 5 illustrates the audit process following the traditional auditing method. Please note that the process may vary slightly from one service provider to another. A typical traditional audit process follows these steps:

- Auditor sends questions to the acquirer to have a better understanding of the job.
- Acquirer responds allowing auditor company to have a better understanding of the scope and audit parameters.
- Auditor provides quote based upon the responses.

- Agreement is reached on the quote. Next is signing the service agreement, statement of work, non-disclosure agreement, etc. (Please note that “Start” in Figures 5, 6, and 7, assumes an actual start of the audit process when all agreements have been signed.)
- Auditor is granted access to the target’s code via secure cloud upload, or through a visit to the company for an on-site audit.
- Auditor scans the target’s source code, cleans up the false positives, and evaluates the results.
- Auditor generates the report and delivers it to the client.
- A call or a face-to-face meeting follows to review the results with the auditor and address any questions.

This method is common across most audit service providers. It allows the opportunity to collect multiple bids for the same audit job and the ability to choose the best bid given your requirements. Following this model, the target company must be willing to transfer the code to the auditors or allow them to visit their offices to complete the job on-site.

## 5.2 Blind audit

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The blind audit method was pioneered by FOSSID AB, a Stockholm based company, to address the confidentiality requirements of M&A transactions. (Here, FOSSID AB refers to the company and FOSSID refers to the tool itself.)

Using their proprietary technology, they have the ability to perform audits and generate reports without looking at the source code. Figure 6 illustrates the blind audit process used by FOSSID AB and designed to provide confidentiality of source code in M&A transactions. One major advantage of a blind audit includes the ability for the auditor to complete

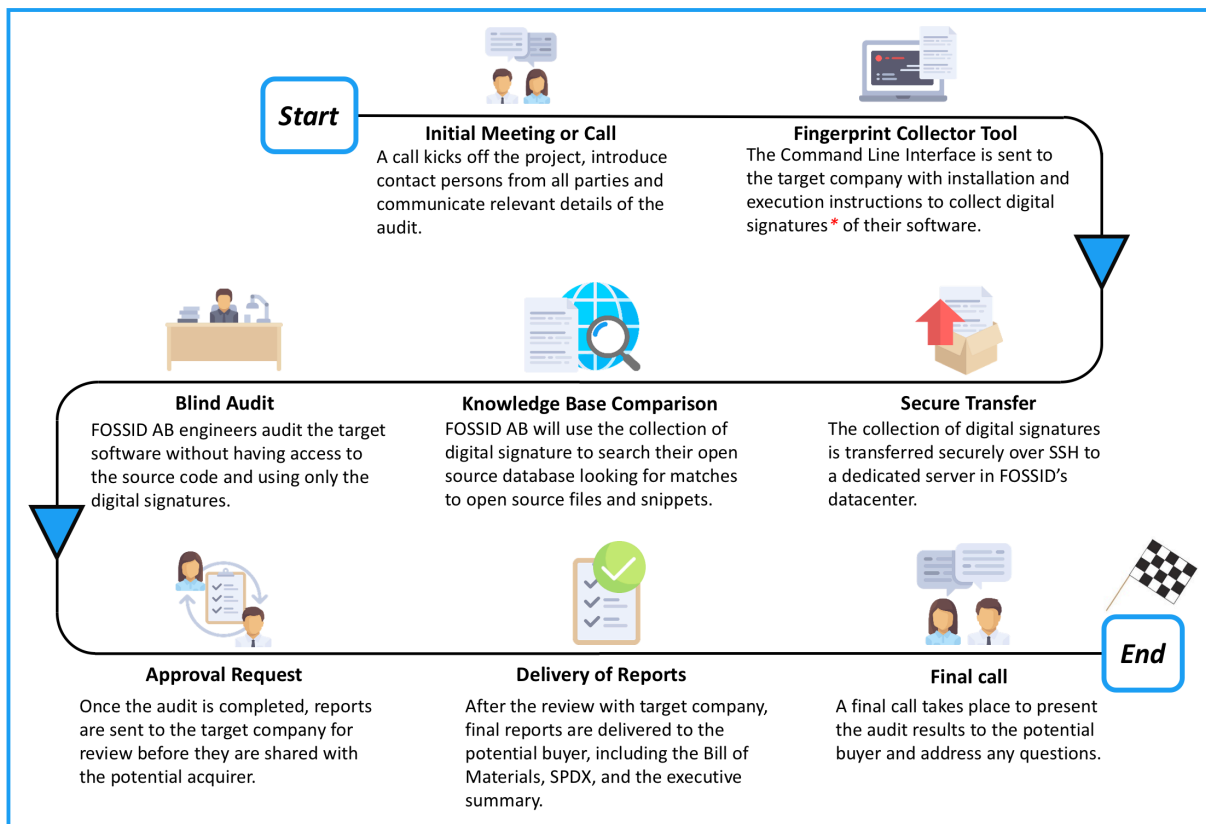


Figure 6: Illustration of a blind audit process using FOSSID targeted for M&A transactions

the review without having access to the source code. Additionally, with sufficient precautions by the acquirer, the auditor may also not gain awareness of the target's identity offering a high level of confidentiality. As far as I am aware, such an audit method is not offered by any other company offering open source compliance services.

## 5.3 DIY audit

The Do-It-Yourself (DIY) audit provides the acquirer or the target company time-limited access to the compliance cloud tools, enabling them to run the scan themselves. They can then perform the audits internally with complete access to the knowledge base and all reporting facilities. This is an approach that is particularly interesting for companies that have

in-house employees with sufficient experience to interpret scan results and suggest remediation procedures. It can quickly become more cost-effective for companies that go through the M&A process several times per year. An independent certification can be performed by the auditing tools service provider to verify the findings, to further secure the integrity of the audit.

Figure 7 provides an illustration of this audit method using the tools from FOSSID AB. This approach has several advantages, such as the ability to start the audit as soon as needed because it uses internal resources and

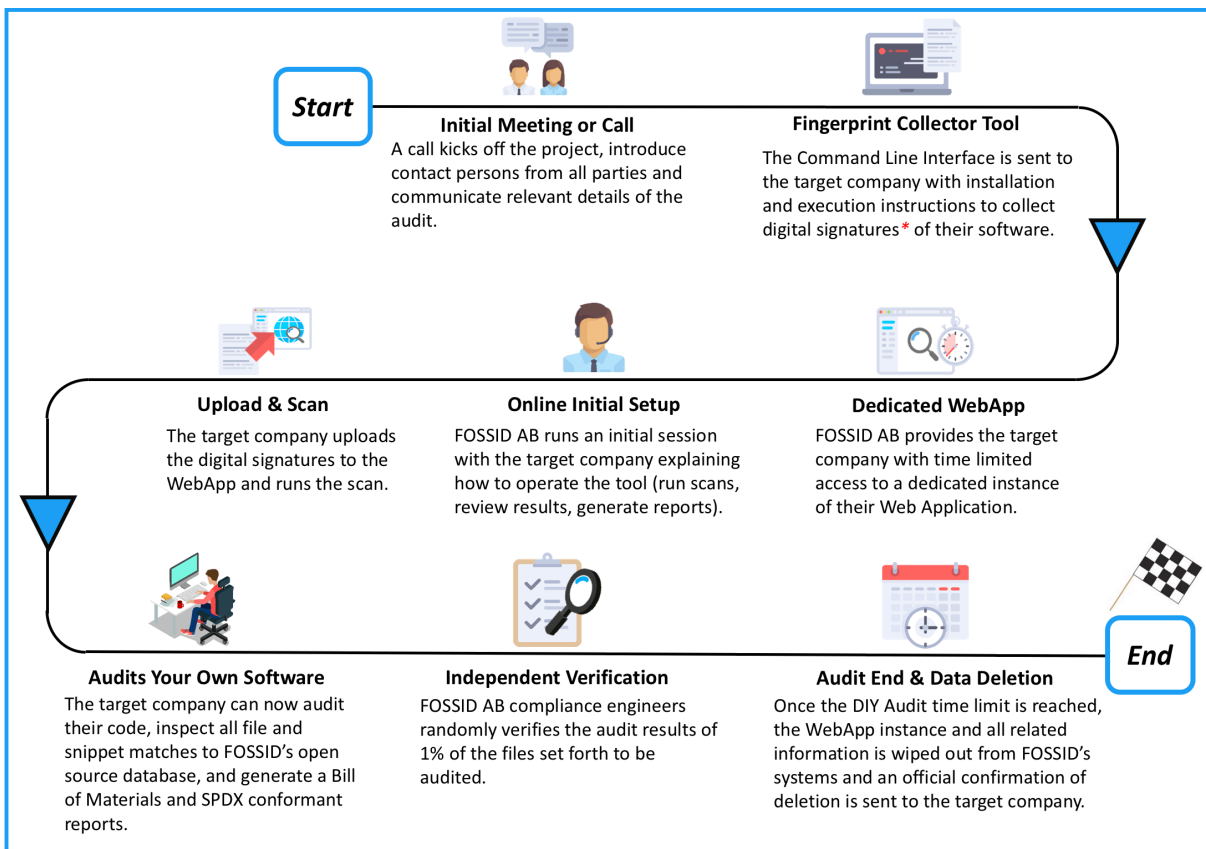


Figure 7: Illustration of a DIY audit process using FOSSID targeted for M&A transactions

is not dependent on the availability of third-party auditors. This approach potentially shortens the timeline and reduces an external source of cost. Any compliance problem can be addressed immediately, because it is

conducted by the people who have direct access to the code and can apply fixes directly. Finally, the audit can be verified by the provider of the audit tool to ensure correctness and completeness. As part of their DIY offering, FOSSID AB offers the random verification of X percent (where X is determined as part of the quote agreement) of the files set forth to be audited by the target company.

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# 6

## Note on the final report

**Many auditing tools can also be tuned to highlight potential issues. After viewing the results carefully, you might find many of the results to be non-issues, but you should be prepared for a lot of noise.** The noise may come from things like leftover code that is in the code tree but not used. Therefore, the initial report may be lengthy, and you should be prepared to invest time to filter the report to find the real issues.

Note that an Software Package Data Exchange (SPDX) conformant report is usually provided on demand. Therefore, if you would like your audit service provider to provide such a report, you will need to request it.



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# 7

## Security and version control

**It is a generally accepted truth that software ages like milk, not wine.**

And, security vulnerabilities are a concern with all code, open source or otherwise. However, in open source projects these vulnerabilities are publicly exposed along with the process of fixing them. This exposure can happen either before or after the fix is implemented, and outdated open source code could potentially contain vulnerabilities that are actively exploited in the wild. Although security and version control are not part of the open source compliance due diligence process, companies providing source code scanning services may also offer a service mapping identified open source components against known open source security vulnerabilities.

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# 8

## Pre- and post-acquisition remediation

**By this point, the acquiring company should have a clear idea how the target uses and manages open source software and how successful they've been at satisfying their open source license obligations.** The acquirer and target should use this information to negotiate remediation for any open source compliance issues. If any issues are uncovered in the audit, there are a few options for resolving them as a part of the pending transaction. The first option is to simply remove any offending code. If the open source software only augments proprietary code, it may be possible to eliminate it entirely. Another option is to design around the offending component, or rewrite any code using cleanroom techniques.

If the section of code is truly essential or if it has been previously distributed, the only remaining option is to bring the code into compliance. The cost of each option can be used when determining the valuation of the target. Whatever option is chosen, it's crucial to identify the individuals who participated in incorporating the open source code, and to get them involved in the remediation effort. They might have additional documentation or knowledge that can be useful in resolving issues.

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# 9

## Preparing for an audit as an acquisition target

**Passing an open source compliance audit is not hard if you're prepared. However, it is very unlikely to happen if you begin preparing only once an acquirer shows interest.** These activities are meant to go hand-in-hand with your daily business and development activities. The objective is to ensure the company tracks all open source components and respects open source license obligations resulting from use of open source components. These same measures can be of great help if your company becomes a target for a corporate transaction, as they minimize the risk of surprises.

## 9.1 Know what's in your code

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Knowing what's in your code is the golden rule of compliance. You need to maintain a complete software inventory for all software components including their origin and license information. This covers software components created by your organization, open source components, and components originating from third parties. The most important point is having a process for identifying and tracking open source components. You don't always need a complex compliance program, however, you should have five basic elements: policy, process, staff, training, and tools.

### 9.1.1 Policy and process

The open source compliance policy is a set of rules that govern the management of open source software (both use of and contribution to). Processes are detailed specifications as to how a company will implement these rules on a daily basis. Compliance policies and processes govern various aspects of using, contributing, auditing, and distribution of open source software.

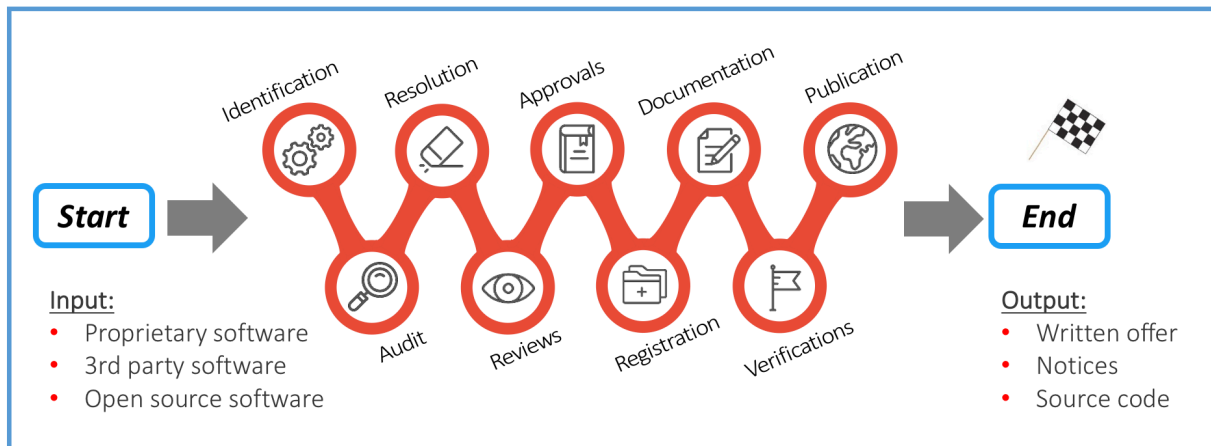


Figure 8: Sample end-to-end open source compliance process

Figure 8 illustrates a sample compliance process, with the various steps each software component will go through as part of the due diligence as you build your product or software stack.

1. Identify all incoming source code
2. Audit source code
3. Resolve any issues uncovered by the audit
4. Complete appropriate reviews
5. Receive approval to use open source
6. Register open source in the software inventory
7. Update product documentation to reflect open source usage
8. Perform verification to all steps previous to distribution
9. Distribute source code and perform final verifications in relation to distribution

The output of the process is an open source BoM that you can publish, along with a written offer and various copyright, license and attributions notices fulfilling the legal obligations of the components in your BoM. For a detailed discussion on the open source compliance process, please [download](#) the free e-book *Open Source Compliance in the Enterprise*, published by The Linux Foundation.

### 9.1.2 Staff

In large enterprises, the open source compliance team is a cross-disciplinary group consisting of various individuals tasked with the mission of ensuring open source compliance. The core team, often called the Open Source Review Board (OSRB), consists of representatives from engineering and product teams, one or more legal counsel, and a compliance officer. The extended team consists of various individuals across multiple departments that contribute on an ongoing basis to the compliance efforts: Documentation, Supply Chain, Corporate Development, IT, and Localization. However, in smaller companies or startups, this can be as simple as an engineering manager supported with a legal counsel. Every company is different.

### 9.1.3 Training

Education is an essential building block in a compliance program, to help ensure that employees possess a good understanding of policies governing the use of open source software. The goal of providing open source and compliance training is to raise awareness of open source policies and strategies, and to build a common understanding of the issues and facts of open source licensing. It should also cover the business and legal risks of incorporating open source software in products and/or software portfolios.

Both formal and informal training methods are available. Formal methods include instructor-led training courses where employees have to pass a knowledge exam to pass the course. Informal methods include webinars, brown bag seminars, and presentations to new hires as part of the new employee orientation session.

### 9.1.4 Tooling

Open source compliance teams often use tools to automate source code audits, to discover open source code, and identify its licenses. Such



tools include a compliance project management tool, software inventory tool, and source code and license identification tools.

## 9.2 Be in compliance

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If you have shipped products containing open source software—whether intentionally or not—you will need to comply with the various licenses governing those software components. Hence the importance of knowing what’s in your code, because a complete bill of materials makes compliance much easier.

Being in compliance is not a simple task, and it varies from product to product based upon the licenses and the structure of the code. At a high level, being in compliance means that you:

1. Track all use of open source software.
2. Compile a finalized open source BoM for all software in the shipping image of product.
3. Fulfill the obligations of the open source licenses.
4. Repeat the process every time you issue a software update.
5. Respond quickly and seriously to compliance inquiries.

## 9.3 Use latest releases for security purposes

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One of the benefits of a comprehensive compliance program is that it’s easier to find products with insecure versions of open source components and replace them. Most source code scanning tools now provide functionality to flag security vulnerabilities disclosed in older software components. One important consideration when upgrading an open source component

is to always ensure that the component retains the same license as the previous version. Open source projects have occasionally changed licenses on major releases. Companies are encouraged to engage with open source project communities to help avoid situations where they are using a version with security vulnerabilities. It is not reasonable or feasible to be active in all of the open source projects you use, therefore a certain level of prioritization is needed to identify the most critical components. The various levels of engagement range from joining mailing lists and participating in the technical discussions, to contributing bug fixes and small features, to making major contributions. At minimum, it is beneficial for corporate developers working on a specific open source project to subscribe to and monitor the mailing list for reports related to security vulnerabilities and available fixes.

## 9.4 Measure up your compliance efforts

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The easiest and most effective first step for organizations of all sizes is to engage with the OpenChain Project and to obtain “**OpenChain Conformant**” status. This is done by filling out a series of questions either **online** or **manually**. The questions used for OpenChain Conformance help to confirm that an organization has created processes or policies for open source software compliance. OpenChain is an industry standard, similar to ISO 9001. It is focused on the “big picture,” with precise processes and policy implementations up to each individual organization. OpenChain Conformance shows that open source compliance processes or policies exist, and that further details can be shared when requested by a supplier or customer. OpenChain is designed to build trust between organizations across the global supply chain.

The Linux Foundation’s **Self-Assessment Checklist** is an extensive checklist of compliance best practices, in addition to elements that must be available in an open source compliance program to ensure its success. Companies are invited to use this internal, self-administered checklist to evaluate their compliance in comparison to compliance best practices.

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# 10

Preparing for an  
audit as the acquiring  
company

As an acquirer, you must take action and make decisions before the audit is commissioned and you have additional obligations after you receive the results.

## 10.1 Choose the right audit model and right auditor for your needs

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As previously discussed, three primary audit methods can be used, and you will need to decide which is best suited to your specific situation.

## 10.2 Know what you care about

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The report from the source code audit may provide a significant amount of information, depending on the complexity of the scanned code. It is important in to identify which licenses and use-cases are regarded as critical.

## 10.3 Ask the right questions

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The open source audit report offers a lot of information about the target's source code and the licenses involved. However, many other data points will require further investigation in order to clarify or confirm compliance-related concerns. In this section, we offer a collection of questions as a starting point to frame what is important to you, and what questions you should address with the target company.

- Has the target used code with licenses that could jeopardize the IP of the target or acquirer?
- Are there any code snippets with unknown origin and/or unknown license?
- Are the target's open source compliance practices sufficiently mature and comprehensive?
- Does the target company track known vulnerabilities in their open source components?
- When distributing products, does the target provide all necessary materials to satisfy open source license obligations (written offer, various required notices, and source code when applicable)?
- Does the target company's compliance process aligned with the speed of development to meet product release schedules?
- Does the target have a process in place to respond to requests for source code in a timely manner?

### 10.4 Identify items to be resolved before executing the transaction

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In some cases, an open source audit may reveal instances of licenses or compliance practices that are not acceptable to the acquirer. The acquirer can then request these instances to be mitigated as a condition for closing. For instance, the target company may use a code component that comes license under License A, but the acquiring company has a strict policy against using any source code licensed under License A. In such a situation, both parties will need to discuss and figure out a possible solution.

## 10.5 **Create a compliance improvement plan for post-acquisition**

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Creating a compliance improvement plan is especially important when the acquirer is a large company buying a smaller startup that will continue to operate as a subsidiary. In this scenario, the acquirer often helps the target establish a formal compliance policy and process, provides training on their own practices, and offers ongoing guidance and support.

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# 11 Recommended compliance-related development practices

Several papers have been written with detailed recommendations for establishing development practices that support open source license compliance activities. In this section, we will briefly highlight the most important practices that, when followed, will eliminate many common compliance issues.

### 11.1 Recommended practices

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- Request approval to use open source software before you commit the code into the product repository.
- Request approval before you link proprietary code to an open source library or vice versa, unless the license of the library code is already pre-approved by company policy.
- Update the changelog for every file you modify to reflect the date of change, the author, and a short one-line description of the change applied.
- Document the interfaces between any code you are writing and open source software, as it helps others understand the interactions and clarify compliance concerns.
- Save the web page describing a source code package's license as a PDF, to document the state of the project when you downloaded it.
- Save an unaltered copy of the package in a backup location, along with the license information.
- When upgrading an open source software component, verify



if the license is still the same. License changes can occur between versions.

- Verify that the license in the source code package matches what is described on the project web site. In the event of discrepancy, contact the project for clarification.

## 11.2 Avoid these mistakes

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- Do not remove or disturb existing licensing or copyright information. All such information must remain intact.
- Do not rename open source components.
- Do not copy/paste open source code into proprietary or third-party source code (or vice versa) without prior approval.
- Do not commit open source or third-party source code into an internal product source tree without prior approval.
- Do not merge or mix source code incoming under different licenses without proper approval.
- Do not discuss compliance practices with individuals outside of your company.

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# 12 Conclusion

**Open source due diligence is generally one task in a long list of tasks that need to be successfully completed in an M&A transaction.**

However, it is still an important aspect of the general due diligence exercise given the central role of software and potential IP risks. Although the open source due diligence may seem a lengthy process, it often can be completed quickly, especially if both parties are prepared, and working with a swift compliance service provider.

How can you be prepared?

If you are the target, you can maintain proper open source compliance practices by ensuring your development and business processes include:

- Identifying the origin and license of all internal and external software.
- Tracking open source software within the development process (components and snippets).
- Performing source code reviews for new or updated code entering the build.
- Fulfilling license obligations when a product ships or when software is updated.
- Offering open source compliance training to employees.

If you are the acquirer, you should know what to look for and have the skills on-hand to address issues quickly:

- Decide with the target company on the appropriate audit method to use, and which third party to engage for the audit.

Note that some don't have ability to do blind testing, some do not support the DIY, and others do not have the ability to discover code snippets.

- If possible, get multiple bids for the audit and learn more about your audit service providers. This step is not just about the cost, but about having the precise output to help you address any concerns you may have. Make sure you have the internal expertise to compare each bid equally and that they include all audit parameters, such as:
  - Audit method, inputs and outputs
  - Primary contact persons at target and acquirer for speedy discussions of issues that arise
  - Timeline and logistics especially if it involves an on-site visit
  - Confidentiality parameters
  - Code vulnerabilities and version control analysis
  - Cost, normal process and expedited

Open source compliance is an ongoing process. Maintaining good open source compliance practices enables companies to be prepared for any scenario where software changes hands, from a possible acquisition, a sale, or product or service release. For this reason, companies are highly encouraged to invest in building and improving upon their open source compliance programs.

## Resources

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### Open Source Compliance in the Enterprise

Published by The Linux Foundation, [Open Source Compliance in the Enterprise](#) is a practical guide for enterprises on how to best use open source in products and services, and participate in open source communities in a legal and responsible way.

### Practical GPL Compliance

Published by The Linux Foundation, [Practical GPL Compliance](#) is a compliance guide for startups, small businesses, and engineers, particularly focused on complying with the versions of the GNU General Public License (GPL). Its goal is to provide practical information to quickly address common issues.

### OpenChain Curriculum

The [OpenChain Curriculum](#) is designed to help organizations meet the training and process requirements of the OpenChain Specification. It can also be used for general open source training and – because of its public domain licensing – can be partially or fully re-used for internal or external purposes without limitation.

### Compliance Basics for Developers

A [free open source compliance course](#) from the Linux Foundation targeted for developers.

### Software Package Data Exchange (SPDX)

[SPDX](#) is a set of standard format for communicating the components, licenses and copyrights of software packages.

## List of Commercial Providers\* of Open Source Compliance Solutions

- [Black Duck Software](#)
- [Flexera Software](#)
- [FOSSA](#)
- [FOSSID AB](#)
- [nexB](#)
- [Protecode](#) (Synopsys)
- [Rogue Wave Software](#)
- [WhiteSource Software](#)

## Open Source Compliance Tools\*

- [FOSSology](#) is an open source license compliance software system and toolkit.
- [Binary Analysis Tool](#) is an open source tool that assist in compliance activities. It examines binary code looking for compliance issues.

*\* The author apologizes in advance if these lists are missing any provider or tool.*

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