

Version 1.2

This is version 1.2 of the REUSE practices, released 2017-10-27. It has since been superseded by version [2.0](#) which you are encouraged to use instead.

1. Provide the exact text of each license used

Free and open source software licenses are standardised and have standard texts. Regardless of which license you use, you should include the license text in your project. You should also include the license text of any code which may be under a different license, and it's important you do not change the license text on other software you include.

If your project only includes code licensed under a single license, you may provide the text of this license in a file in the top level directory of your repository with the name `LICENSE`, `LICENCE` or `COPYING` (you may attach some suffix to the filename as well, such as `LICENSE.md`, if relevant).

Since many projects include code under different licenses, it's often not feasible to include all licenses in the top level, in which case you should create a directory at the top level called `LICENSES` within which you include the license text of each license used.

You must include all licenses which are used in your project, and you must never change any license texts even if they are very similar to existing ones.

Some licenses, like the BSD 2 Clause license, must be adapted to include the name of the copyright holder in the license text. Your project may end up including multiple versions of the same BSD 2 Clause license because some parts may be written by Alice and others by Bob, resulting in two different license files, even if the only difference is the copyright holder.

Keep in mind

- Don't change any license texts, use the verbatim form of the license text.
- Don't remove any license texts, include the license texts of all software.
- Keep the filename of the licenses consistent, so you can refer to it from the source code files.

2. Include a copyright notice and license in each file

You should ensure all files in your project have a license header, and that all license headers files have the same format. Even if your project has a license header which looks different from other projects, it helps to have a consistent style to the header. It's important you do not remove information in existing headers, though.

Source code files are often reused across multiple projects, taken from their origin and repurposed, or otherwise end up in repositories where they are separate from its origin. Each file should, therefore, have enough information in itself to convey copyright information.

Your license header should contain copyright notices, an `SPDX-License-Identifier` following the SPDX standard, and a `License-Filename` tag following the REUSE practices.

Copyright notices in a license header should have a consistent format and be sorted by year. They should list the actual copyright holder, which may be an organisation rather than the author. For example:

```
/*
 * Copyright (c) 2017 Alice Commit <alice@example.com>
 * Copyright (c) 2009-2016 Bob Denver <bob@example.com>
 * Copyright (c) 2007 Company Example <charlie@example.com>
 *
 * SPDX-License-Identifier: BSD-2-Clause
 * License-Filename: LICENSES/BSD-2-Clause_Charlie.txt
 */
```

The `License-Filename` tag shall be a persistent URL or a filename in the repository where the actual license text is available. This is more accurate than the SPDX license identifier and ensures the full license text is always referenced from the individual source file. The tag can be repeated if multiple license files are relevant.

You should include information about your project's practices in the README or similar file.

If your project includes binaries or source code files in which comments can not be placed, you should provide them separately in one of two ways:

- If you have files with different copyright notices and licenses, you should, for each file named `FILENAME`, include the text file `FILENAME.license` which includes a copyright header according to the format you customarily use for headers.

- If you have many such files, but each have the same copyright notice and license, you may instead use the [DEP-5/copyright](#) file format, and place a single copyright file documenting those files.

If you wish to be explicit about the license of an output file, which does not exist in the repository but which will be created at build time, you may include a `.license` file without the corresponding binary file.

You may record information about copyright by relying on the underlying version control system you're using, but special care must be taken if you do. Keep in mind version control systems typically record authorship, not copyright.

For a project using the version control system to convey information about copyright, you must:

- make sure the version control system is publicly accessible and take steps¹ to ensure it will remain so,
- provide a link back to the original file in version control from each header,
- ensure that if someone copies the source repository without version control system metadata (such as if they make a tar-file of it), then the version control system metadata relevant for determining copyright must still be included, for example in the form of a bill of material (see later), an automatically generated log file or similar,
- make sure the commit metadata reflect the actual copyright (this is particularly important if a project accepts code contributed through mailing lists, bug trackers, or similar, where the original copyright holder is not the one pushing code to version control, or where the copyright is held by an organisation rather than the author.)

An appropriate header in this case would be:

```
/*
 * This file is part of project X. It's copyrighted by the contributors
 * recorded in the version control history of the file, available from
 * its original location http://git.example.com/X/filename.c
 *
 * SPDX-License-Identifier: BSD-2-Clause
 * License-Filename: LICENSES/BSD-2-Clause_Charlie.txt
 */
```

¹Establish project governance committed to public access, vet material added to project to protect against vulnerability to takedown, only include material under a free and open source license so it can be copied and archived freely and ensure project is archived by institutions dedicated to long-term preservation of software code, eg. Software Heritage.

Keep in mind

- Use a consistent style of your headers throughout the project.
- Don't remove existing headers, but only add to them.
- Do consider using version control systems to keep a record of copyright holders.
- Do keep your version control system public if you use it.
- Make references to the license text and the SPDX identifier from each source code file.
- Include license and copyright information also for files which can not include a proper header, either in a separate .license file, or using the DEP-5/copyright specification.

3. Provide an inventory for included software

Aside from the license files included in the project, and the file level copyright information, you may include a bill of material for your project, but you should only do so if this is generated automatically.

A bill of material can be very complicated and lengthy, making it difficult to maintain. If you do not generate it automatically, it's very likely someone will forget to update it when making changes. In these cases, it's best not to have a bill of material, but to rely only on the information coupled with the source code files.

If you do have a way of automatically creating a bill of material, and if you choose to do so, you should generate it automatically from the most reliable information you have about each file in your project. This includes copyright information kept in version control systems and licenses on files which include a standard header, or which includes the header in a separate license file.

You may also choose to include in the bill of material your output files generated when compiling the project, such that you can signal through the bill of material, which license is relevant for the output files depending on the included source code.

The bill of material should be conformant to the SPDX specification and included in a file in the top level directory of your repository called `LICENSE.spdx`.

Keep in mind

- Don't create a bill of material if you can't generate it automatically.
- If you generate one automatically, it's helpful to include one.

- Make your bill of material conformant to the SPDX specification.
- It doesn't hurt to run your project through ScanCode or FOSSology, to make sure these tools can parse and understand your project's licensing.