

Build instructions

Some FOSS licenses, in particular the GNU (Lesser) General Public Licenses, require the distributor of binary software to also deliver “scripts to control compilation and installation” (GPL-2.0 sect. 3), *i.e.* build and installation instructions as part of the complete corresponding source code. Such instructions could read as follows¹:

```
SPDX-Identifier: CC0-1.0
```

```
These are the build instructions to rebuild the FOSS components for  
[SOFTWARE NAME AND VERSION].
```

```
Please note: Rebuilding the source code and reinstalling the resulting  
programs onto the device are not supported by our technical support  
department! Warranty claims on the modified software will expire, as long  
as the customer cannot prove that the defect would also occur without the  
modification.
```

```
The instructions below have been tested on [DISTRIBUTION]. Other operating  
systems or distributions have not been tested.
```

```
To rebuild the software, the following steps must be performed:
```

```
1. Installing a (virtual) machine with [DISTRIBUTION], with at least  
[SPACE] GiB of free disk space available.
```

```
2. Installing the following packages:
```

```
* [PACKAGE 1]
```

```
* [PACKAGE 2]
```

```
* [PACKAGE N]
```

```
3. Creating a directory [SOURCE DIRECTORY]:
```

```
$ sudo mkdir -p [SOURCE DIRECTORY]
```

```
4. Optional: changing the owner and environment of the directory
```

```
$ sudo chown [USR:GROUP] [SOURCE DIRECTORY]
```

```
$ export [VARIABLE]
```

```
5. Unpacking the archive [SOURCE ARCHIVE] to this directory:
```

```
$ cd [SOURCE DIRECTORY]
```

```
$ tar xf [SOURCE ARCHIVE]
```

```
6. Starting the build process:
```

```
[BUILD INSTRUCTIONS]
```

```
7. After the build process is complete, the built binaries are located in  
[BINARY DIRECTORY] and can be installed with
```

```
[INSTALLATION INSTRUCTIONS]
```

¹<https://github.com/armijnhemel/compliance-scripts/blob/master/doc/build-instructions-template.txt>