

# The doclicense package\*

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## Abstract

Support for putting documents under a license.  
Information site on CTAN: <https://www.ctan.org/pkg/doclicense>  
Example on Stackexchange: <https://tex.stackexchange.com/a/226788/32320>  
Fork me on GitHub: <https://github.com/ypid/latex-packages/tree/master/doclicense>

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\*This document corresponds to doclicense v2.2.0, dated 2020-09-18.

|  |           |
|--|-----------|
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## 1 Introduction

The `doclicense` package allows you to put your document under a license and include a link to read about the license or include an icon or image of the license. Currently, only Creative Commons is supported but this package is designed to handle all kinds of licenses. See [Contributing](#).

## 2 Usage

Just load the package by placing something like this:

```

\usepackage{
  babel,
}
\usepackage[
  type={CC},
  modifier={by-sa},
  version={4.0},
]{doclicense}

```

in the preamble of your  $\text{\LaTeX} 2_{\epsilon}$  source file and change the package options to the license you want to put the document under.

This will explicitly set the license to [CC BY-SA 4.0](#).

If the `hyperxmp` package is installed, it will be loaded and the options `pdflicenseurl` and `pdfcopyright` will be set by `doclicense` to the corresponding values (“<https://creativecommons.org/licenses/by-sa/4.0/deed.en>” and “This work is licensed under a [Creative Commons ‘Attribution-ShareAlike 4.0 International’](#) license.”). This embeds license metadata into the PDF which proper PDF readers can show. For example Evince shows it in the “Document License” tab under “Properties”. You may check this manual for how your PDF reader handles such metadata. If the package is not installed, a warning will be emitted to allow you to install the package as needed.

### 3 Package options

|                            |   |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
|----------------------------|---|-----------|---------------------------------|-----------|---|---------|--|---------|---|---------|--|--------|---|----------|---------------------|--------|--|---------|--|----------|-------------------------------------|---------|---|--------|-----------------------------------|------------|--|---------|---|---------|---|
| <code>type</code>          | Sets the license type. Like in the previous example, the type can be “CC” to cover all the Creative Commons licenses. Please make sure that the type is all uppercase. See the <a href="#">Supported licenses</a> section for a complete list.  |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| <code>modifier</code>      | Allows to select different subclasses of a license. In the example it is “by-sa”. Please make sure that the type is all lowercase. See the <a href="#">Supported licenses</a> section for a complete list.  |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| <code>version</code>       | As there can be more than one version of a license, the version also needs to be set.   |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| <code>lang</code>          | This package can output some texts like the long license name. Because of this, there needs to be a way to specify the language to use. If this parameter is omitted, then this package will default to <code>\languageName</code> which is normally set by packages like <code>babel</code> or <code>polyglossia</code> .<br>Supported languages:<br><table><tr><td>Brazilian</td><td>Added by <a href="#">Iago</a>.</td></tr><tr><td>Bulgarian</td><td>Added by <a href="#">hristo-d-hristov</a>.</td></tr><tr><td>Catalan</td><td>Added by <a href="#">Ernesto Lanchares</a>.</td></tr><tr><td>Chinese</td><td>Added by <a href="#">sd44</a>. Note that you might need to pass <code>lang={chinese-utf8}</code> or <code>chinese-gbk</code>.</td></tr><tr><td>English</td><td>Added by <a href="#">Robin Schneider</a>.</td></tr><tr><td>French</td><td>Added by <a href="#">Éric Guirbal</a>.</td></tr><tr><td>Galician</td><td>Submitted by Email.</td></tr><tr><td>German</td><td>Added by <a href="#">Robin Schneider</a>.</td></tr><tr><td>Italian</td><td>Added by <a href="#">Filippo Rigotto</a>.</td></tr><tr><td>Japanese</td><td>Added by <a href="#">cmlstofB</a>.</td></tr><tr><td>Marathi</td><td>Added by <a href="#">Niranjan</a>. Note that Niranjan also translated the images which are considered unofficial by the package. Creative Commons has no plans to support additional currencies.</td></tr><tr><td>Polish</td><td>Added by <a href="#">jsbien</a>.</td></tr><tr><td>Portuguese</td><td>Added by <a href="#">Daniel Alexandre Cerqueira Santos</a>.</td></tr><tr><td>Russian</td><td>Added by <a href="#">Anton Karmanov</a>.</td></tr><tr><td>Spanish</td><td>Added by <a href="#">Carlos</a>. Updated by <a href="#">IgnacioFDM</a>.</td></tr></table> | Brazilian | Added by <a href="#">Iago</a> . | Bulgarian | Added by <a href="#">hristo-d-hristov</a> . | Catalan | Added by <a href="#">Ernesto Lanchares</a> . | Chinese | Added by <a href="#">sd44</a> . Note that you might need to pass <code>lang={chinese-utf8}</code> or <code>chinese-gbk</code> . | English | Added by <a href="#">Robin Schneider</a> . | French | Added by <a href="#">Éric Guirbal</a> . | Galician | Submitted by Email. | German | Added by <a href="#">Robin Schneider</a> . | Italian | Added by <a href="#">Filippo Rigotto</a> . | Japanese | Added by <a href="#">cmlstofB</a> . | Marathi | Added by <a href="#">Niranjan</a> . Note that Niranjan also translated the images which are considered unofficial by the package. Creative Commons has no plans to support additional currencies. | Polish | Added by <a href="#">jsbien</a> . | Portuguese | Added by <a href="#">Daniel Alexandre Cerqueira Santos</a> . | Russian | Added by <a href="#">Anton Karmanov</a> . | Spanish | Added by <a href="#">Carlos</a> . Updated by <a href="#">IgnacioFDM</a> . |
| Brazilian                  | Added by <a href="#">Iago</a> .   |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| Bulgarian                  | Added by <a href="#">hristo-d-hristov</a> .   |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| Catalan                    | Added by <a href="#">Ernesto Lanchares</a> .  |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| Chinese                    | Added by <a href="#">sd44</a> . Note that you might need to pass <code>lang={chinese-utf8}</code> or <code>chinese-gbk</code> .   |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| English                    | Added by <a href="#">Robin Schneider</a> .  |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| French                     | Added by <a href="#">Éric Guirbal</a> .   |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| Galician                   | Submitted by Email.   |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| German                     | Added by <a href="#">Robin Schneider</a> .  |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| Italian                    | Added by <a href="#">Filippo Rigotto</a> .  |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| Japanese                   | Added by <a href="#">cmlstofB</a> .   |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| Marathi                    | Added by <a href="#">Niranjan</a> . Note that Niranjan also translated the images which are considered unofficial by the package. Creative Commons has no plans to support additional currencies.   |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| Polish                     | Added by <a href="#">jsbien</a> .   |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| Portuguese                 | Added by <a href="#">Daniel Alexandre Cerqueira Santos</a> .  |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| Russian                    | Added by <a href="#">Anton Karmanov</a> .   |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| Spanish                    | Added by <a href="#">Carlos</a> . Updated by <a href="#">IgnacioFDM</a> .   |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| <code>imageposition</code> | Image position for <code>\doclicenseThis</code> : right (default) or left.  |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| <code>imagewidth</code>    | Default image width for the license image. Defaults to 10em.  |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| <code>imagedistance</code> | Distance between text and image in <code>\doclicenseThis</code> . Defaults to 2em.  |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |
| <code>imagemodifier</code> | Select different variations of license images. For example, Creative Commons provides more than one image for one version. See the <a href="#">download page</a> . You will note that there are <code>by-nc.eu</code> and <code>by-nc</code> which only differ in the currency. Based on the loaded language, the currency is set to a suitable default. You can change this with:  |           |                                 |           |   |         |  |         |   |         |  |        |   |          |                     |        |  |         |  |          |                                     |         |   |        |                                   |            |  |         |   |         |   |

```

\usepackage[
  type={CC},
  modifier={by-nc},
  version={4.0},
  imagemodifier={-eu-88x31},
]{doclicense}

```

Also, there is `80x15` which uses letters instead of icons for the modifiers in the image.

```

\usepackage[
  type={CC},
  modifier={by-nc},
  version={4.0},
  imagemodifier={-eu-80x15},
]{doclicense}

```

If this is not given, we default to `88x31`.

Note that `imagemodifier` needs to assemble into a valid filename. Check what files the package ships with to understand what combinations can be used.

For backwards compatibility, “-eu” is interpreted as “-eu-88x31”.

**hyphenation** This option allows you to specify a macro name which is going to be expanded in the `minipage` environment of `\doclicenseThis`. That allows you to change the behaviour how `\doclicenseLongText` is typeset. By default, this option is not enabled.

One possible use case is to set the option to “`RaggedRight`”. This will use the `\RaggedRight` macro provided by the `ragged2e` package<sup>1</sup>) with the intention of limiting the number of hyphenations while still allowing a hyphenation by typesetting `\doclicenseLongText` as ragged text.

The idea of using ragged text is that the `\doclicenseLongText` is usually one or two full line and one half full line so avoiding hyphenations might look better compared to justified text.

“`RaggedRight`” is also the setting used for this manual. `\doclicenseThis` did not produce a hyphenation in case of this manual but `TEX` did fill up the first text line to it’s full width by adding additional space between words. This has been avoided by setting the following option for this document:

```

\usepackage[
  hyphenation={RaggedRight},
]{doclicense}

```

Another option which can make sense is the `\raggedright` macro which more drastically limits the number of hyphenations. This can be set as shown below:

```



\usepackage[
  hyphenation={raggedright},
]{doclicense}

```


---


<sup>1</sup>The `ragged2e` package will be loaded when it is required.

## 4 Macros

|   |  |
|---|--|
| <code>\doclicenseType</code>                  | Expands to the type as set in the package options. Example: “CC”   |
| <code>\doclicenseLongType</code>              | Same as <code>\doclicenseType</code> except that it expands to the long license type. Example: “Creative Commons”  |
| <code>\doclicenseModifier</code>              | Expands to the modifier as set in the package options. Example: “BY-SA”  |
| <code>\doclicenseVersion</code>               | Expands to the version as set in the package options. Example: “4.0”   |
| <code>\doclicenseURL</code>                   | Expands to the official URL about the license. Note that it expands to the raw URL string without the use of <code>\href</code> or similar. If you want the link to be clickable then you can use <code>\href</code> or <code>\url</code> from the <code>hyperref</code> package or just read on because the following macros can also do this for your. Example: “https://creativecommons.org/licenses/by-sa/4.0/deed.en” |
| <code>\doclicenseName</code>                  | Expands to the short name of the license. Example: “CC BY-SA 4.0”  |
| <code>\doclicenseLongName</code>              | Expands to the long name of the license. Example: “Creative Commons Attribution-ShareAlike 4.0 International”  |
| <code>\doclicenseNameRef</code>               | Same as <code>\doclicenseName</code> except that it links to the URL of the license. Example: “ <a href="#">CC BY-SA 4.0</a> ”   |
| <code>\doclicenseLongNameRef</code>           | Same as <code>\doclicenseLongName</code> except that it links to the URL of the license. Example: “ <a href="#">Creative Commons Attribution-ShareAlike 4.0 International</a> ”  |
| <code>\doclicenseText</code>                  | Expands to a localized text which states that this document is licensed under the license. Example: “This work is licensed under a ‘ <a href="#">CC BY-SA 4.0</a> ’ license.”  |
| <code>\doclicenseLongText</code>              | Same as <code>\doclicenseText</code> except that it uses the long name of the license. Example: “This work is licensed under a <a href="#">Creative Commons ‘Attribution-ShareAlike 4.0 International’</a> license.”   |
| <code>\doclicensePlainFullText</code>         | Verbatim prints the full license text.<br>An example can be found in the <a href="#">Plaintext license text</a> section.   |
| <code>\doclicensePlainFullTextFileName</code> | Expands to the file name which the <code>\doclicensePlainFullTextFileName</code> macro uses to <code>\verbatiminput</code> the license text file. Example: “doclicense-CC-by-sa-4.0-plaintext”   |
| <code>\doclicenseFullText</code>              | Pretty prints the full license text.<br>An example can be found in the <a href="#">Pretty license text</a> section.  |
| <code>\doclicenseFullTextFileName</code>      | Expands to the file name which the <code>\doclicenseFullText</code> macro uses to <code>\input</code> the license text file. Example: “doclicense-CC-by-sa-4.0-latex”  |
| <code>\doclicenseTypeIcon</code>              | Expands to an icon of the license type. Example: “  ”. This macro is based on the <code>ccicons</code> package.   |
| <code>\doclicenseIcon</code>                  | Expands to an icon of the license. Example: “  ”. This macro is based on the <code>ccicons</code> package.  |
| <code>\doclicenseImage</code>                 | This is kind of similar to <code>\doclicenseIcon</code> but it will typeset an bigger pictogram  |



of the license. Example: “”

Note that you can change the image size with the [`\imgwidth`] parameter like this: “”

`\doclicenseImage[imgewidth=2em]`

The images are bundled with the `doclicense` package as vector graphics.

`\doclicenseImageFileName` This macro expands to the file name of the image which the `\doclicenseImage` typesets. You can use this file name with `\includegraphics` if you need more flexibility over how the image is typeset.

The current file name is: “doclicense-CC-by-sa-88x31”

You do not have to worry about the file path. Normally your  $\LaTeX$  environment will find the image for you.

The file extension is omitted which is good practice together with `\includegraphics` as it will pick the proper one itself.

`\doclicenseThis` And last but not least there is the `\doclicenseThis` macro which will typeset the `\doclicenseText` next to the `\doclicenseImage` in a “minipage” environment. This will look like the following:

This work is licensed under a [Creative Commons](#) “[Attribution-ShareAlike 4.0 International](#)” license.



And here is how it looks with the `imagemodifier` option set to “-80x15”:

This work is licensed under a [Creative Commons](#) “[Attribution-ShareAlike 4.0 International](#)” license.



## 5 Supported licenses

Currently only Creative Commons is supported. The license type, modifier and version should be based on [SPDX license identifiers](#). Direct support for SPDX license identifiers should be considered when supporting new licenses.

### 5.1 CC (Creative Commons)

|                 |   |
|-----------------|---|
| CC0-1.0         | CC0 1.0 Universal   |
| CC-BY-4.0       | Attribution 4.0 International                             |
| CC-BY-3.0       | Attribution 3.0 Unported                                  |
| CC-BY-SA-4.0    | Attribution-ShareAlike 4.0 International                  |
| CC-BY-SA-3.0    | Attribution-ShareAlike 3.0 Unported                       |
| CC-BY-ND-4.0    | Attribution-NoDerivatives 4.0 International               |
| CC-BY-ND-3.0    | Attribution-NoDerivs 3.0 Unported                         |
| CC-BY-NC-4.0    | Attribution-NonCommercial 4.0 International               |
| CC-BY-NC-3.0    | Attribution-NonCommercial 3.0 Unported                    |
| CC-BY-NC-SA-4.0 | Attribution-NonCommercial-ShareAlike 4.0 International    |
| CC-BY-NC-SA-3.0 | Attribution-NonCommercial-ShareAlike 3.0 Unported         |
| CC-BY-NC-ND-4.0 | Attribution-NonCommercial-NoDerivatives 4.0 International |
| CC-BY-NC-ND-3.0 | Attribution-NonCommercial-NoDerivs 3.0 Unported           |

## 6 Retired licenses

Licenses get updated and sometimes fully replaced. This section clarifies how `doclicense` handles this.

If there is consensus that the old license has no valid use case anymore and it is possible and allowed for everyone compiling a document to update the license, then the old license will be removed from `doclicense` in the next major version.

Otherwise, `doclicense` will keep supporting it to ensure that documents using those licenses can still be compiled in the future.

List of retired licenses:

CC-PDDC Copyright-Only Dedication

## 7 Contributing

This package is being developed on GitHub: <https://github.com/ypid/latex-packages/tree/master/doclicense>. When you want to modify the `.sty` file, make sure that you make your changes in the `.dtx` file instead, as the `.sty` file is automatically generated.

In case you want to add a translation for your language then just copy the file `doclicense-english.ldf` and replace the “english” in the filename with your language code (same as the language code used by `babel`) and translate the file. If there are multiple language codes which should map to the same translation then have a look at the file `doclicense-american.ldf`.

When you are done and have tested your translation (modify and run the `run_tests` script) then please send me the translated file(s) either via Email or preferably by opening a pull request on GitHub so that I can include them in the next release.

## 8 Plaintext license text

The following is an example output of the `\doclicensePlainFullText` macro.

Attribution-ShareAlike 4.0 International

```
=====  
Creative Commons Corporation ("Creative Commons") is not a law firm and  
does not provide legal services or legal advice. Distribution of  
Creative Commons public licenses does not create a lawyer-client or  
other relationship. Creative Commons makes its licenses and related  
information available on an "as-is" basis. Creative Commons gives no  
warranties regarding its licenses, any material licensed under their  
terms and conditions, or any related information. Creative Commons  
disclaims all liability for damages resulting from their use to the
```

fullest extent possible.

#### Using Creative Commons Public Licenses

Creative Commons public licenses provide a standard set of terms and conditions that creators and other rights holders may use to share original works of authorship and other material subject to copyright and certain other rights specified in the public license below. The following considerations are for informational purposes only, are not exhaustive, and do not form part of our licenses.

Considerations for licensors: Our public licenses are intended for use by those authorized to give the public permission to use material in ways otherwise restricted by copyright and certain other rights. Our licenses are irrevocable. Licensors should read and understand the terms and conditions of the license they choose before applying it. Licensors should also secure all rights necessary before applying our licenses so that the public can reuse the material as expected. Licensors should clearly mark any material not subject to the license. This includes other CC-licensed material, or material used under an exception or limitation to copyright. More considerations for licensors: [wiki.creativecommons.org/Considerations\\_for\\_licensors](http://wiki.creativecommons.org/Considerations_for_licensors)

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=====

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Section 1 -- Definitions.

- a. Adapted Material means material subject to Copyright and Similar Rights that is derived from or based upon the Licensed Material and in which the Licensed Material is translated, altered, arranged, transformed, or otherwise modified in a manner requiring permission under the Copyright and Similar Rights held by the Licensor. For purposes of this Public License, where the Licensed Material is a musical work, performance, or sound recording, Adapted Material is always produced where the Licensed Material is synched in timed relation with a moving image.
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## 11 Implementation

### 11.1 Declaring the options

```
1 %% Parameters (((
2 \RequirePackage{kvoptions}
3 \DeclareStringOption{type}
4 \DeclareStringOption{modifier}
5 \DeclareStringOption{version}
6 \DeclareStringOption{lang}
7 \DeclareStringOption[-88x31]{imagemodifier}% chktex 29
8 \DeclareStringOption[right]{imageposition}
9 \DeclareStringOption[10em]{imagewidth}
10 \DeclareStringOption[2em]{imagedistance}
11 \DeclareStringOption{hyphenation}
12 %% )))
13
```

To test if all parameters are valid the macro `\ProcessLocalKeyvalOptions*` is expanded to ensure this before leaving the preamble. This is the only purpose for the `\ProcessLocalKeyvalOptions*` macro in this case.

```
14 \ProcessLocalKeyvalOptions*
15
```

### 11.2 Dependencies

```
16 %% Dependencies (((
17 \RequirePackage{xifthen}
18 \RequirePackage{xstring}
19 \RequirePackage{etoolbox} %% \ifcsdef
20 \RequirePackage{xspace}
21 \RequirePackage{verbatim}
22
23 %% Custom enumerate list with adjusted labels
24 %% that match the license text conventions
25 \newenvironment{doclicense@enumerate}{%
26   \begin{enumerate}
27     \renewcommand{\labelenumi}{(\alph{enumi})}%
28     \renewcommand{\labelenumii}{(\arabic{enumii})}%
29     \renewcommand{\labelenumiii}{(\Alph{enumiii})}%
30     \renewcommand{\labelenumiv}{(\roman{enumiv})}%
31   }\end{enumerate}}
32
33 \ifthenelse{
34   \equal{\doclicense@hyphenation}{}}
35 }{ }{%
36   \RequirePackage{ragged2e}
37
38   \ifthenelse{\isnamedefined{\doclicense@hyphenation}}{ }{%
39     \PackageError{doclicense}{Hyphenation macro not defined}
40     {The macro name given via the hyphenation option is not defined.}%

```

```

41 }
42 }
43 \AtEndPreamble{%
44   \@ifpackageloaded{csquotes}{
45     %% csquotes has already been loaded so we are fine.
46   }{
47     \ifcsdef{enquote}{
48       %% \enquote is defined but not by csquotes.
49       \@ifpackageloaded{biblatex}{
50         \PackageError{doclicense}{The enquote macro is defined by biblatex}
51         {This package assumes that the enquote macro is defined by the
52         csquotes package. Please load csquotes before you load biblatex so
53         that biblatex does not define enquote instead.}%
54       }{
55         \PackageError{doclicense}{The enquote macro is defined by unknown package}
56         {This package assumes that the enquote macro is defined by the
57         csquotes package. Please check why enquote is defined without
58         csquotes being loaded. Maybe try loading csquotes early so that it
59         can define the enquote macro instead.}%
60       }
61     }{
62       \RequirePackage{csquotes}
63     }
64   }
65   \@ifpackageloaded{ccicons}{\RequirePackage{ccicons}}
66   %% For \doclicenseIcon
67   \@ifpackageloaded{graphicx}{\RequirePackage{graphicx}}
68   %% For \doclicenseImage
69   \@ifpackageloaded{hyperref}{\RequirePackage{hyperref}}
70   \IfFileExists{hyperxmp.sty}{
71     \@ifpackageloaded{hyperxmp}{\RequirePackage{hyperxmp}}
72     %% The following options are only defined when the hyperxmp package was loaded.
73     \hypersetup{
74       pdfcopyright = {\doclicenseLongText},
75       pdflicenseurl = {\doclicenseURL},
76     }
77   }{
78     \PackageWarning{doclicense}{%
79       The hyperxmp package is missing so no license metadata can be embedded
80       into the PDF. Consider installing hyperxmp.% chktex 13
81     }
82   }
83 }
84 %% )))
85

```

### 11.3 Deprecation handling

```

86 %% Deprecation handling (((
87 \ifthenelse{

```

```

88 \equal{\doclicense@type}{}
89 }{
90 \PackageWarning{doclicense}{%
91   "type" package option missing. % chktex 18
92   This option is now required and the fallback to "CC" is deprecated. % chktex 18
93   In an upcoming major version of doclicense, this will be a package error.
94   Please explicitly pick a license of your choosing.
95 }
96 \renewcommand{\doclicense@type}{CC}
97 }{}
98
99 \ifthenelse{
100 \equal{\doclicense@modifier}{}
101 }{
102 \PackageWarning{doclicense}{%
103   "modifier" package option missing. % chktex 18
104   This option is now required and the fallback to "by-sa" is deprecated. % chktex 18
105   In an upcoming major version of doclicense, this will be a package error.
106   Please explicitly pick a license of your choosing.
107 }
108 \renewcommand{\doclicense@modifier}{by-sa}
109 }{}
110
111 \ifthenelse{
112 \equal{\doclicense@version}{}
113 }{
114 \PackageWarning{doclicense}{%
115   "version" package option missing. % chktex 18
116   This option is now required and the fallback is deprecated. % chktex 18
117   In an upcoming major version of doclicense, this will be a package error.
118   Please explicitly pick a license of your choosing.
119 }
120 }{}
121 %% )))
122

```

## 11.4 Declare variables and macros

```

123 %% Declare variables (((
124 \@namedef{doclicense@lang@lic@CC}{Creative Commons}%
125 \newcommand{\doclicense@baseUrLCC}{https://creativecommons.org}
126 \newcommand{\doclicense@versionFallback}{}
127 \newcommand{\doclicense@versionUsed}{}
128 \newboolean{doclicense@licenseKnown}
129 \newlength{\doclicense@hsize}
130 \newcommand{\doclicense@longName}{%
131   \@nameuse{doclicense@lang@lic@\doclicense@type @\doclicense@modifier}%
132   @\doclicense@versionUsed}%
133 }
134 \newcommand{\doclicense@icon}{%

```

```

135 \PackageError{doclicense}{Icon not defined}
136   {Please check the manual of doclicense to see what you can do about it.}%
137 }
138 \newcommand{\doclicense@modifier@uppercase}{\texorpdfstring{%
139   \MakeUppercase{\doclicense@modifier}%
140 }{%
141   \doclicense@modifier}%
142 }
143 %% )))
144

```

## 11.5 User macros

```

145 %% User macros (((
146 \newcommand{\doclicenseType}{\doclicense@type\xspace}
147 \newcommand{\doclicenseLongType}{}
148 \newcommand{\doclicenseModifier}{\doclicense@modifier@uppercase\xspace}
149 \newcommand{\doclicenseVersion}{\doclicense@versionUsed\xspace}
150 \newcommand{\doclicenseName}{%
151   \doclicense@type\nobreakspace\doclicense@modifier@uppercase\nobreakspace%
152   \doclicense@versionUsed\xspace%
153 }
154 \newcommand{\doclicenseNameRef}{\href{\doclicenseURL}{\doclicenseName}\xspace}
155 \newcommand{\doclicenseLongName}{\doclicenseLongType\space%
156   \doclicense@longName\xspace}
157 \newcommand{\doclicenseLongNameRef}{\href{\doclicenseURL}{\doclicenseLongName}}
158 \newcommand{\doclicenseText}{%
159   \doclicense@lang@thisDoc\space
160   \href{\doclicenseURL}{\enquote{\doclicenseName}}}%
161   \doclicense@lang@word@license.\xspace%
162 }
163 \newcommand{\doclicenseLongText}{%
164   \doclicense@lang@thisDoc\space
165   \href{\doclicenseURL}{\doclicenseLongType\space\enquote{\doclicense@longName}}%
166   \doclicense@lang@word@license.\xspace%
167 }
168 \newcommand{\doclicenseIcon}{\doclicense@icon\xspace}
169 \newcommand{\doclicenseTypeIcon}{\doclicenseType}
170 % \newcommand{\doclicenseModifierIcon}{} %% Not directly provided by ccicons.
171 \newcommand{\doclicenseImageFileName}{%
172   doclicense-\doclicense@type-\doclicense@modifier\doclicense@imagemodifier}
173 \newcommand{\doclicenseImage}[1] [] {%
174   \setkeys{doclicense}{#1}
175   \href{\doclicenseURL}{%
176     \includegraphics [
177       width=\doclicense@imagewidth%
178     ]{\doclicenseImageFileName}%
179   }
180 }
181 \newcommand{\doclicensePlainFullTextFileName}{%

```

```

182 doclicense-\doclicense@type-\doclicense@modifier%
183 -\doclicense@versionUsed-plaintext%
184 }
185 \newcommand{\doclicensePlainFullText}{%
186 \verbatiminput{\doclicensePlainFullTextFileName}
187 }
188 \newcommand{\doclicenseFullTextFileName}{%
189 doclicense-\doclicense@type-\doclicense@modifier-\doclicense@versionUsed-
latex}
190 \newcommand{\doclicenseFullText}{\input{\doclicenseFullTextFileName}}% chktex 27
191
192 \newcommand{\doclicenseLicense}{\doclicenseThis} %% legacy support
193 \newcommand{\doclicenseThis}{%
194 \setlength{\doclicense@hsize}{\linewidth-\doclicense@imagewidth-\doclicense@imagedistance}%
195 \ifthenelse{\equal{\doclicense@imageposition}{left}}{%
196 \begin{center}
197 \begin{minipage}{\doclicense@imagewidth}
198 \doclicenseImage%
199 \end{minipage}
200 \hfill
201 \begin{minipage}{\doclicense@hsize}
202 \ifthenelse{\isempty{\doclicense@hyphenation}}{}{%
203 \@nameuse{\doclicense@hyphenation}%
204 }%
205 \doclicenseLongText%
206 \end{minipage}
207 \end{center}
208 }{%
209 % \ifthenelse{\isnamedefined{iflandscape}}{}{%
210 % \iflandscape{%
211 % \setlength{\doclicense@hsize}{\doclicense@hsize-10em}%
212 % }{}%
213 % }{}%
214 % {%
215 \begin{center}
216 \begin{minipage}{\doclicense@hsize}
217 \ifthenelse{\isempty{\doclicense@hyphenation}}{}{%
218 \@nameuse{\doclicense@hyphenation}%
219 }%
220 \doclicenseLongText%
221 \end{minipage}
222 \hfill
223 \begin{minipage}{\doclicense@imagewidth}
224 \doclicenseImage%
225 \end{minipage}
226 \end{center}
227 % }
228 }
229 }
230 %% )))

```

231

## 11.6 Language selection

The following lines include the ldf file. All language dependent things should be stored and changed there. Note that one could also redefine macros like `\doclicenseLongText` if necessary.

```
232 %% Language support (((
233 \ifthenelse{\equal{\doclicense@lang}{}}{%
234   \renewcommand{\doclicense@lang}{\languagename}}{}
235 \IfFileExists{\doclicense-\doclicense@lang.ldf}{%
236   \input{\doclicense-\doclicense@lang.ldf}% chktex 27
237 }{%
238   \PackageWarning{\doclicense}{%
239     No language definition for \doclicense@lang found.
240     Please add one and submit a patch. Using English as fallback.
241   }
242   \renewcommand{\doclicense@lang}{english}
243   \input{\doclicense-\doclicense@lang.ldf}% chktex 27
244 }
245 \ifthenelse{\equal{\doclicense@imagemodifier}{-us}}{%
246   \@namedef{\doclicense@imagemodifier}{-88x31}% chktex 29
247 }{}
248
249 %% )))
250
```

## 11.7 Internals

```
251 %% Set license (((
252 \newcommand{\doclicense@setVersion}[1] []{%
253   \ifthenelse{\equal{#1}{}}{}{%
254     \renewcommand{\doclicense@versionFallback}{#1}
255   }
256   \ifthenelse{\equal{\doclicense@version}{}}{%
257     \renewcommand{\doclicense@versionUsed}{\doclicense@versionFallback}
258   }{%
259     \renewcommand{\doclicense@versionUsed}{\doclicense@version}
260   }
261 }
262 \newcommand{\doclicense@set}{%
263   %% CC (((
264   \ifthenelse{\equal{\doclicense@type}{CC}}{%
265     \renewcommand{\doclicenseLongType}{\doclicense@lang@licCC\xspace}
266     \renewcommand{\doclicenseTypeIcon}{\ccLogo\xspace}
267
268     \doclicense@setVersion[3.0]
269
270     %% Allow to predefine the following macros in ldf files.
271     \ifcsdef{\doclicense@UrlLangPart}{}{%
```

```

272 \ifthenelse{\equal{\doclicense@lang@lic@CC@code}{}}{%
273 \edef\doclicense@UrlLangPart{}
274 }{%
275 \edef\doclicense@UrlLangPart{/deed.\doclicense@lang@lic@CC@code}
276 }
277 }
278 \ifcsdef{doclicenseURL}{}{%
279 \edef\doclicenseURL{%
280 \doclicense@baseUrLCC/%
281 licenses/%
282 \doclicense@modifier/%
283 \doclicense@versionUsed\doclicense@UrlLangPart%
284 }
285 }
286 \ifthenelse{\equal{\doclicense@modifier}{by}}{%
287 \renewcommand{\doclicense@icon}{\ccby}
288 }{}
289 \ifthenelse{\equal{\doclicense@modifier}{by-sa}}{%
290 \renewcommand{\doclicense@icon}{\ccbysa}
291 }{}
292 \ifthenelse{\equal{\doclicense@modifier}{by-nd}}{%
293 \renewcommand{\doclicense@icon}{\ccbynd}
294 }{}
295 \ifthenelse{\equal{\doclicense@modifier}{by-nc}}{%
296 \renewcommand{\doclicense@icon}{\ccbync}
297 \IfBeginWith{\doclicense@imagemodifier}{-eu}{%
298 \renewcommand{\doclicense@icon}{\ccbynceu}
299 }{}
300 \IfBeginWith{\doclicense@imagemodifier}{-jp}{%
301 \renewcommand{\doclicense@icon}{\ccbyncjp}
302 \renewcommand{\doclicense@imagemodifier}{-88x31}% chktex 29
303 }{}
304 }{}
305 \ifthenelse{\equal{\doclicense@modifier}{by-nc-sa}}{
306 \renewcommand{\doclicense@icon}{\ccbyncsa}
307 \IfBeginWith{\doclicense@imagemodifier}{-eu}{%
308 \renewcommand{\doclicense@icon}{\ccbyncsaeu}
309 }{}
310 \IfBeginWith{\doclicense@imagemodifier}{-jp}{%
311 \renewcommand{\doclicense@icon}{\ccbyncsajp}
312 \renewcommand{\doclicense@imagemodifier}{-88x31}% chktex 29
313 }{}
314 }{}
315 \ifthenelse{\equal{\doclicense@modifier}{by-nc-nd}}{
316 \renewcommand{\doclicense@icon}{\ccbyncnd}
317 \IfBeginWith{\doclicense@imagemodifier}{-jp}{%
318 \renewcommand{\doclicense@icon}{\ccbyncndjp}
319 \renewcommand{\doclicense@imagemodifier}{-88x31}% chktex 29
320 }{}
321 }{}

```

```

322 \ifthenelse{\equal{\doclicense@modifier}{zero}}{%
323   \renewcommand{\doclicense@icon}{\cczero}
324   \doclicense@setVersion[1.0]
325   \edef\doclicenseURL{%
326     \doclicense@baseUrLCC/%
327     publicdomain/%
328     \doclicense@modifier/%
329     \doclicense@versionUsed\doclicense@UrLLangPart}
330 }{}
331 \ifthenelse{\equal{\doclicense@modifier}{pd}}{
332   \PackageError{doclicense}{CC PD license removed as of version 2.0.0}{
333     Creative Commons PD has been replaced by CC-zero.
334     Please update your license choice.
335   }%
336 }{}
337 \IfSubStr{\doclicense@modifier}{nc}{
338   %% eu (Euro) does only exist for nc (non commercial) so if not nc then reset -
eu.
339   \IfBeginWith{\doclicense@imagemodifier}{-eu}{%
340     \renewcommand{\doclicense@imagemodifier}{-88x31}% chktex 29
341   }{}
342 }
343 \ifthenelse{\equal{\doclicense@imagemodifier}{-eu}}{%
344   \renewcommand{\doclicense@imagemodifier}{-eu-88x31}% chktex 29
345 }{}
346
347 \ifcsdef{doclicense@lang@lic@\doclicense@type%
348   @\doclicense@modifier @\doclicense@versionUsed}{
349
350   \PackageError{doclicense}{License long name not defined}{%
351     Please check the manual of doclicense
352     to see what you can do about it.%
353   }%
354 }
355
356 \setboolean{doclicense@licenseKnown}{true}
357 }{}%% )))
358 \ifthenelse{\not\boolean{doclicense@licenseKnown}}{
359   \PackageError{doclicense}{License unknown}{%
360     Please check the manual of doclicense
361     to see what you can do about it.%
362   }%
363 }{}%
364 }
365 %% )))
366
367 \doclicense@set%

```

That's it.

```

368 \endinput

```



## Change History

|        |  |   |       |   |   |
|--------|--|---|-------|---|---|
| 0.07   | General: Initial version. . . . .  | 1 | 1.4.0 | General: Added<br><code>\doclicensePlainFullText</code><br>and <code>\doclicenseFullText</code><br>macros. Thanks to <a href="#">siefkenj</a> for<br>the help. . . . .                                    | 1 |
| 0.08   | General: Added support for<br>CC-zero and CC-pd and small<br>improvements . . . . .  | 1 | 1.4.1 | General: Translation fixes for: fr,<br>en-gb. Included missing<br>CC-by-nc-nd icon (US dollar). . . . .   | 1 |
| 0.09   | General: Added list of supported<br>licenses to docu and added<br>option <code>imagemodifier</code> . Also<br>renamed macro<br><code>\doclicenseLicense</code> to<br><code>\doclicenseThis</code> . . . . .  | 1 | 1.5.0 | General: Allow to change the way<br>text is typeset by<br><code>\doclicenseThis</code> . . . . .  | 1 |
| 0.10   | General: Added support for<br><code>hyperxmp</code> . . . . .  | 1 | 1.6.0 | General: Added Russian and<br>Italian translation. Added<br>'imageposition' and<br>'imagedistance' parameters. . . . .  | 1 |
| 1.0    | General: Removed space before<br>quotes (Example: "CC " →<br>"CC"). . . . .  | 1 | 1.7.0 | General: Update Russian and<br>Spanish translation. Fix issue<br>with unescaped newline<br>causing two spaces between<br>license name and 'license' word. . . . .   | 1 |
| 1.1    | General: Added support for<br>Creative Commons 4.0 and<br>added<br><code>\doclicenseImageFileName</code> . . . . .   | 1 | 1.7.1 | General: Include .eps versions of<br>the images to allow using<br>'latex' with dvi output.<br>Thanks to <a href="#">robertpetry</a> for<br>reporting. . . . .   | 1 |
| 1.10.0 | General: Added Brazilian<br>translation. Update Chinese<br>and Portuguese translation. Do<br>not use <code>enumitem</code> for list label<br>customization (beamer<br>compatibility). . . . .  | 1 | 1.8.0 | General: Added Polish translation. . . . .  | 1 |
| 1.10.1 | General: Fix image for CC-BY-NC<br>EU. Fix URL for CC-PDDC.<br>Improve wording for catalan<br>language. . . . .  | 1 | 1.9.0 | General: Added Catalan, Galician,<br>Chinese and Portuguese<br>translation. Detect and give<br>hint when <code>enquote</code> macro is<br>already defined. Fix LaTeX<br>Error: Too deeply nested. . . . . | 1 |
| 1.2    | General: Allow<br><code>\doclicenseModifier</code> to be<br>used with <code>hyperref</code> . Fixed<br><code>\doclicenseIcon</code> macro,<br>added missing image and wrote<br>test framework. Added notes<br>about how to add translations.<br>Added Spanish translation. . . . . | 1 | 2.0.0 | General: Add 80x15 version of CC<br>images which can be used with<br>the <code>imagemodifier</code> option. Fix<br>slight color offset for all CC<br>images caused by bad image<br>conversion. Thanks to  |   |

|  |       |  |
|--|-------|--|
| rodrigoalcarazdelaosa for reporting. Fix   | 2.1.0 |  |
| <code>\doclicense</code> This support for twocolumn layouts. Thanks to Nao Pross. Soft require package options "type", "modifier" and "version" now. Defaults are deprecated. This will become a package error in an upcoming major version of the package, with the earliest release in 2021-07 to give people time to migrate. Remove Creative Commons PD which has been replaced by CC-zero as of 2010-10-11. Update example license used for examples in manual to CC-BY-SA-4.0. . . . . . |       | 1  |
|  | 2.1.0 | General: Fix regression: Proper language default image variants (Euro variants for example) was broken and the US variant was always used. This bug was introduced in v2.0.0. Documentation fixes. Added Marathi translation. . . . .    |
|  | 2.2.0 | General: Add Japanese and Bulgarian translation. Add hint how to use Chinese to docs. Load hyperxmp by default when it is installed. Before, doclicense just suggested to load it and made use of the package when the user did. . . . . |

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