The listofversions package

Andreas Klöckner

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1 Usage

Simply load the package via `\usepackage{listofversions}`. Declare versions with `\addversion{version}{date}{description}{author}`.

Use the command `\addversionshg` to include all versions from Mercurial repositories. This will only work, if the document's folder is under HG revision control. You can specify an optional argument `\addversionshg[<revset>]`. This will only include the selected revision set `<revset>`. Simple revision sets could be any revision number or a range of revision numbers `x:y`. See the hg manpage for more information on revsets. The interface to SVN is currently not available due to an old version in the institute. `\listofversions` will finally output the list. The command `\addversionssvn` is provided for interfacing to SVN repositories. Use `\PathToHG{<path>}` and `\PathToSVN{<path>}` to set the appropriate paths to the respective executables.

To change the list's appearance, redefine the following commands:

- `\lov@pre` is executed before all list entries.

- `\lov@entry` creates a list entry. The package provides the primitives `\lov@version`, `\lov@date`, `\lov@description` and `\lov@author` inside of this command.

- `\lov@post` is executed after all list entries.

This approach is useful e.g. to yield a uniform date format with the isodate package. Be aware that the `date` argument can then take everything which is taken by isodate's `\printdate` command. The default appearance is a simple tabular environment.

If you only want to output the current version of the document, you can use the `\currentversion` command. It can be formatted redefining the command `\lov@current`. You can use the same primitives inside this command as inside the `\listofversions` command. As a shortcut for output of only one piece of data of the current version, you can use the command with its optional argument. E.g. `\currentversion[author]` will only output the author of the current version. Available options are `version`, `date`, `description`, `author`.

The package uses the `etoolbox` utilities.

2　Options

2.1　The hg option

Use \usepackage[hg]{listofversions} to automatically load the versions from an HG repository.

2.2　The svn option

Use \usepackage[svn]{listofversions} to automatically load the versions from an SVN repository.

3 Example

3.1 Source code

```
% Set up version list
\usepackage{listofversions}
\addversion{0.1}{27.02.2012}{Initial version of the
    document}{kloe\_ad}
\addversion{1.0}{2012-02-28}{Fixed some errors}
                 {AK}
\addversionssvn[11367,11575]

% Renew appearance (uniform date format)
\usepackage[english]{isodate}
\makeatletter
\def\lov@entry       {\lov@version          &
                      \TeXdate
                      \printdate{\lov@date} &
                      \lov@description      &
                      \lov@author           \\   }
\makeatother

% Output the list
\listofversions
```

3.2 Result

Ver.	Date	Comment	Author
0.1	2012/02/27	Initial version of the document	kloe_ad
1.0	2012/02/28	Fixed some errors	AK
11367	2012/02/28	listofversions documentation	kloe_ad
11575	2012/03/05	Changes in docu of listofversions	knob_an