The \texttt{rcs} Package

(Internal Interface)

Joachim Schrod*

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(Revision 2.10 of \texttt{rcs.sty})

1. You can configure the \texttt{rcs} package by redefining control sequences (cseqs for short). The cseqs which may be redefined form the protected interface, all of them start with ‘\texttt{Rcs}’. Some cseqs may be used by you to get information about the state of this module. These form the observer interface, all cseqs herein start with ‘\texttt{RCS}’. Both cseq sets together form the internal interface.

You must not redefine a cseq starting with ‘\texttt{rcs}’ or ‘\texttt{RCS}’. In no case redefine a cseq containing an at sign or an underscore—all of them belong to the implementation. Here you have a description of an internal interface you can rely on, use it (and only it) for configuration.

2. The protected interface.

The cseqs of the protected interface fall in two categories: Configuration of RCS fields and of revision logs.

In general, handlers for RCS fields may be defined, they have the name \texttt{\RcsHandle Keyword}. These sequences are responsible for the filtering of the value of the RCS \texttt{Keyword} field. The unfiltered value itself is provided in the cseq \texttt{\RCSRawKeyword} or in \texttt{\RCS_value} (see below).

The following cseqs may be redefined to configure the \texttt{rcs} package:

\begin{itemize}
  \item \texttt{\RcsEmptyValue} used as value for an empty field
  \item \texttt{\RcsHandleDate} handler for the \texttt{Date} field
  \item \texttt{\RcsLogStyle} determines general layout of revision log
      must define \texttt{\RcsLogHeading}
  \item \texttt{\RcsLogListStyle} determines layout of revision log list
  \item \texttt{\RcsLogHeading{\textit{text}}} heading of revision log
  \item \texttt{\RcsLogDate \texttt{date}\texttt{\endDate}} typesets date in revision entry intro;
      \textit{date} has the form \texttt{yyyy/mm/dd}
  \item \texttt{\RcsLogTime{\textit{time}}} typesets time in revision entry intro
\end{itemize}

*Email: jschrod@acm.org
3. The cseq \texttt{\RcsLogListStyle} needs further explanation: The \texttt{rcslog} environment is, in fact, a list environment. \texttt{\RcsLogListStyle} will be used as the second argument of \texttt{\list}, it must define \texttt{\makelabel} and setup all list layout parameters.

Even though \texttt{rcslog} is implemented via \texttt{\list}, I don’t regard it as such. For example, I think it should not increase the list level: an item list in a revision entries should use the first-level item labels. This is realized by placing the \texttt{rcslog} environment on list level 0. It follows that \texttt{\endlist} must not be used for \texttt{\endrcslog}, \texttt{\endtrivlist} is used instead. If you redefine \texttt{\RcsLogListStyle} in such a way that this special list level setting is not done any more, you must redefine \texttt{\endrcslog} as well. You were warned.

Of course, if you just want to change some paragraph layout values, it’s better to append your definitions to the end of \texttt{\RcsLogListStyle}.

4. The following macros must be looked at for internationalization:

\begin{itemize}
\item \texttt{\RcsLogHeadingName} log heading text, in front of filename
\item \texttt{\RcsUnknownFile} used for unknown filename
\item \texttt{\RcsEmptyLog} no revision entries are available
\item \texttt{\RcsLogRevision{rev}{date}{time}{uid}} introduces a revision entry, must be an \texttt{\item}
\end{itemize}

5. The observer interface.

The following cseqs provide you with information you might utilize in your configuration.

\begin{itemize}
\item \texttt{\rcs@loaded} the module’s RCS revision field
  (This name does not follow the name conventions for internal reasons.)
\item \texttt{\RCS_keyword} keyword of the last parsed RCS field
\item \texttt{\RCS_value} value of the last parsed RCS field
\item \texttt{\RCS_get_author{uid}} gets \texttt{uid}’s author name
\end{itemize}

Revision Log for \texttt{rcs-conf.tex}

\textbf{Revision 2.6} (created at August 2, 1995 by Joachim Schrod)

Transformed this style option into a \texttt{\LaTeX} package.

\textbf{Revision 2.5} (created at August 1, 1995 by Joachim Schrod)

Updated to \texttt{\LaTeX}; \texttt{\RcsLoadHook} is not necessary any more as that functionality is provided by \texttt{\LaTeX} now.

Spell checked.

\textbf{Revision 2.4} (created at November 8, 1993 by Joachim Schrod)

Added possibility to configure the layout of the log list (\texttt{\RcsLogListStyle}).

Now the log list is on level 0. Thereby item lists or enumerations in revision entries get first-level labels. This has consequences for the configuration, this implementation strategy must therefore be specified in the internal interface description.

\textbf{Revision 2.3} (created at November 3, 1993 by Joachim Schrod)

Cleaned up for distribution: Added email address to each document, added copyright info to \texttt{rcs.doc}, added acknowledgments. Checked my English and the spacing.
Revision 2.2 (created at November 2, 1993 by Joachim Schrod)

\RcsLoaded must not be redefined, belongs therefore to the observer interface. I don’t write it as \RCS\_loaded though—it must be usable outside of style files.

Don’t need auxiliary files.

Revision 2.1 (created at November 1, 1993 by Joachim Schrod)

Added sub-document that describes the internal interface.