Package ‘procmaps’

September 22, 2020

Title  Portable Address Space Mapping
Version  0.0.3
Date  2020-09-21
Description  Portable '/proc/self/maps' as a data frame.
              Determine which library or other region is mapped to a specific
              address of a process. --
              R packages can contain native code, compiled to shared libraries at build or
              installation time.
              When loaded, each shared library occupies a portion of the address space of
              the main process.
              When only a machine instruction pointer is available (e.g. from a backtrace
              during error inspection or profiling), the address space map determines
              which library this instruction pointer corresponds to.
License  GPL-3
URL  https://r-prof.github.io/procmaps/,
     https://github.com/r-prof/procmaps
BugReports  https://github.com/r-prof/procmaps/issues
Suggests  covr, testthat, tibble
Encoding  UTF-8
LazyData  true
RoxygenNote  7.1.1.9000
NeedsCompilation  yes
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R topics documented:

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\begin{itemize}
  \item \texttt{path\_is\_libr} \hspace{1cm} \textit{Does a path represent R's main library?}
\end{itemize}

\textbf{Description}

For a vector of paths, checks if the \texttt{basename} matches \texttt{libR} or \texttt{R}. This is useful to detect the addresses occupied by R itself.

\textbf{Usage}

\begin{verbatim}
path_is_libr(path)
\end{verbatim}

\textbf{Arguments}

- \texttt{path} \hspace{1cm} A character vector of paths

\textbf{Value}

A logical vector of the same length as \texttt{path}.

\textbf{Examples}

\begin{verbatim}
map <- procmap_get()
path_is_libr(map$pathname)
\end{verbatim}

\textbf{procmap\_get} \hspace{1cm} \textit{Get the address space map of a process}

\textbf{Description}

Returns the address space map of a process as a data frame.

\textbf{Usage}

\begin{verbatim}
procmap_get(..., as_tibble = NULL)
\end{verbatim}

\textbf{Arguments}

- \texttt{...} \hspace{1cm} Reserved for future extensions, must be empty.
- \texttt{as_tibble} \hspace{1cm} When using in a package, set to \texttt{TRUE} to return a \texttt{tibble::tibble}. This requires the \texttt{tibble} package to be installed. The default returns a \texttt{tibble} if the package is installed, otherwise a data frame.
procmap_get

Value

A data frame or tibble, depending on the as_tibble argument.

Examples

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