Package: procmaps (via r-universe)

September 15, 2024

Title Portable Address Space Mapping

Version 0.0.5.9007

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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

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2.9000

Repository https://r-prof.r-universe.dev

RemoteUrl https://github.com/r-prof/procmaps

RemoteRef HEAD

RemoteSha d81b1cd6c53a74fa09e1fa993bcd7807a404cfb6

Contents

path_is_libr 2
procmap_get 2

Index **4**

path_is_libr *Does a path represent R's main library?*

Description

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

Usage

```
path_is_libr(path)
```

Arguments

`path`	A character vector of paths

Value

A logical vector of the same length as `path`.

Examples

```
map <- procmap_get()
path_is_libr(map$pathname)
```

procmap_get *Get the address space map of a process*

Description

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

Usage

```
procmap_get(..., as_tibble = NULL)
```

Arguments

`...`	Reserved for future extensions, must be empty.
`as_tibble`	When using in a package, set to `TRUE` to return a tibble::tibble. This requires the tibble package to be installed. The default returns a tibble if the package is installed, otherwise a data frame.

Value

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

Examples

```
procmap_get()
```

Index

basename, *2*

path_is_libr, 2
procmap_get, 2

tibble::tibble, *2*