Package: procmaps (via r-universe)

August 31, 2024

Title Portable Address Space Mapping

Version 0.0.5.9006

Date 2024-08-31

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 e59202bcde743cf0b08ef31bc3d5a75451b7ceb4

Contents

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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()
```

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