NAME

PCRE2 - Perl-compatible regular expressions (revised API)

SYNOPSIS

#include <pcre2.h>

int pcre2_substring_get_byname(pcre2_match_data **match_data***,**
  PCRE2_SPTR *name***, PCRE2_UCHAR *****bufferptr***, PCRE2_SIZE ****bufflen***);**

DESCRIPTION

This is a convenience function for extracting a captured substring by name into newly acquired memory. The arguments are:

  match_data   The match data for the match
  name   Name of the required substring
  bufferptr   Where to put the string pointer
  bufflen   Where to put the string length

The memory in which the substring is placed is obtained by calling the same memory allocation function that was used for the match data block. The convenience function **pcre2_substring_free**() can be used to free it when it is no longer needed. The yield of the function is zero for success or one of the following error numbers:

  PCRE2_ERROR_NOSUBSTRING   there are no groups of that name
  PCRE2_ERROR_UNAVAILBLE   the ovector was too small for that group
  PCRE2_ERROR_UNSET   the group did not participate in the match
  PCRE2_ERROR_NOMEMORY   memory could not be obtained

If there is more than one group with the given name, the first one that is set is returned. In this situation PCRE2_ERROR_UNSET means that no group with the given name was set.

There is a complete description of the PCRE2 native API in the **pcre2api** page and a description of the POSIX API in the **pcre2posix** page.