NAME

PCRE2 - Perl-compatible regular expressions (revised API)

SYNOPSIS

#include <pcre2.h>

int pcre2_substring_copy_byname(pcre2_match_data *match_data**,**
 PCRE2_SPTR name**, PCRE2_UCHAR ***buffer**, PCRE2_SIZE ***bufflen**);**

DESCRIPTION

This is a convenience function for extracting a captured substring, identified by name, into a given buffer. The arguments are:

```
  match_data   The match data block for the match
  name         Name of the required substring
  buffer       Buffer to receive the string
  bufflen      Length of buffer (code units)
```

The *bufflen* variable is updated to contain the length of the extracted string, excluding the trailing zero. 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      the buffer is not big enough
```

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.