

**NAME**

PCRE2 - Perl-compatible regular expressions (revised API)

**SYNOPSIS**

```
#include <pcre2.h>

int pcre2_substring_copy_bynumber(pcre2_match_data *match_data,
    uint32_t number, PCRE2_UCHAR *buffer,
    PCRE2_SIZE *bufflen);
```

**DESCRIPTION**

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

*match\_data*    The match data block for the match  
*number*        Number of the required substring  
*buffer*        Buffer to receive the string  
*bufflen*       Length of buffer

The *bufflen* variable is updated with the length of the extracted string, excluding the terminating 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 number  
 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 too small

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.