## NAME

PCRE2 - Perl-compatible regular expressions (revised API)

## SYNOPSIS

**#include <pcre2.h>**

**int pcre2_config(uint32_t** *what*, **void \****where***);**

## DESCRIPTION

This function makes it possible for a client program to find out which optional features are available in the version of the PCRE2 library it is using. The arguments are as follows:

*what*   A code specifying what information is required
*where*   Points to where to put the information

If *where* is NULL, the function returns the amount of memory needed for the requested information. When the information is a string, the value is in code units; for other types of data it is in bytes.

If **where** is not NULL, for PCRE2_CONFIG_JITTARGET, PCRE2_CONFIG_UNICODE_VERSION, and PCRE2_CONFIG_VERSION it must point to a buffer that is large enough to hold the string. For all other codes it must point to a uint32_t integer variable. The available codes are:

```
PCRE2_CONFIG_BSR            Indicates what \R matches by default:
                 PCRE2_BSR_UNICODE
                 PCRE2_BSR_ANYCRLF
PCRE2_CONFIG_COMPILED_WIDTHS Which of 8/16/32 support was compiled
PCRE2_CONFIG_DEPTHLIMIT     Default backtracking depth limit
PCRE2_CONFIG_HEAPLIMIT      Default heap memory limit
PCRE2_CONFIG_JIT           Availability of just-in-time compiler
                 support (1=yes 0=no)
PCRE2_CONFIG_JITTARGET      Information (a string) about the target
                 architecture for the JIT compiler
PCRE2_CONFIG_LINKSIZE      Configured internal link size (2, 3, 4)
PCRE2_CONFIG_MATCHLIMIT     Default internal resource limit
PCRE2_CONFIG_NEVER_BACKSLASH_C  Whether or not \C is disabled
PCRE2_CONFIG_NEWLINE       Code for the default newline sequence:
                 PCRE2_NEWLINE_CR
                 PCRE2_NEWLINE_LF
                 PCRE2_NEWLINE_CRLF
                 PCRE2_NEWLINE_ANY
                 PCRE2_NEWLINE_ANYCRLF
                 PCRE2_NEWLINE_NUL
PCRE2_CONFIG_PARENSLIMIT    Default parentheses nesting limit
PCRE2_CONFIG_RECURSIONLIMIT Obsolete: use PCRE2_CONFIG_DEPTHLIMIT
PCRE2_CONFIG_STACKRECURSE   Obsolete: always returns 0
PCRE2_CONFIG_UNICODE       Availability of Unicode support (1=yes
                 0=no)
PCRE2_CONFIG_UNICODE_VERSION The Unicode version (a string)
PCRE2_CONFIG_VERSION       The PCRE2 version (a string)
```

The function yields a non-negative value on success or the negative value PCRE2_ERROR_BADOPTION otherwise. This is also the result for the PCRE2_CONFIG_JITTARGET code if JIT support is not available. When a string is requested, the function returns the number of code units used, including the terminating zero.

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.