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.