

NAME

PCRE - Perl-compatible regular expressions

SYNOPSIS

```
#include <pcre.h>
```

```
int pcre_config(int what, void *where);
```

```
int pcre16_config(int what, void *where);
```

```
int pcre32_config(int 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 PCRE library it is using. The arguments are as follows:

what A code specifying what information is required

where Points to where to put the data

The *where* argument must point to an integer variable, except for PCRE_CONFIG_MATCH_LIMIT, PCRE_CONFIG_MATCH_LIMIT_RECURSION, and PCRE_CONFIG_PARENS_LIMIT, when it must point to an unsigned long integer, and for PCRE_CONFIG_JITTARGET, when it must point to a const char*. The available codes are:

PCRE_CONFIG_JIT Availability of just-in-time compiler
 support (1=yes 0=no)

PCRE_CONFIG_JITTARGET String containing information about the
 target architecture for the JIT compiler,
 or NULL if there is no JIT support

PCRE_CONFIG_LINK_SIZE Internal link size: 2, 3, or 4

PCRE_CONFIG_PARENS_LIMIT Parentheses nesting limit

PCRE_CONFIG_MATCH_LIMIT Internal resource limit

PCRE_CONFIG_MATCH_LIMIT_RECURSION

 Internal recursion depth limit

PCRE_CONFIG_NEWLINE Value of the default newline sequence:

 13 (0x000d) for CR

 10 (0x000a) for LF

 3338 (0x0d0a) for CRLF

 -2 for ANYCRLF

 -1 for ANY

PCRE_CONFIG_BSR Indicates what \R matches by default:
 0 all Unicode line endings
 1 CR, LF, or CRLF only

PCRE_CONFIG_POSIX_MALLOC_THRESHOLD
 Threshold of return slots, above which **malloc()** is used by the POSIX API

PCRE_CONFIG_STACKRECURSE Recursion implementation (1=stack 0=heap)

PCRE_CONFIG_UTF16 Availability of UTF-16 support (1=yes 0=no); option for **pcre16_config()**

PCRE_CONFIG_UTF32 Availability of UTF-32 support (1=yes 0=no); option for **pcre32_config()**

PCRE_CONFIG_UTF8 Availability of UTF-8 support (1=yes 0=no); option for **pcre_config()**

PCRE_CONFIG_UNICODE_PROPERTIES
 Availability of Unicode property support (1=yes 0=no)

The function yields 0 on success or PCRE_ERROR_BADOPTION otherwise. That error is also given if PCRE_CONFIG_UTF16 or PCRE_CONFIG_UTF32 is passed to **pcre_config()**, if PCRE_CONFIG_UTF8 or PCRE_CONFIG_UTF32 is passed to **pcre16_config()**, or if PCRE_CONFIG_UTF8 or PCRE_CONFIG_UTF16 is passed to **pcre32_config()**.

There is a complete description of the PCRE native API in the **pcreapi** page and a description of the POSIX API in the **pcreposix** page.