

**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 <b>malloc()</b> 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 <b>pcre16_config()</b>
PCRE_CONFIG_UTF32	Availability of UTF-32 support (1=yes 0=no); option for <b>pcre32_config()</b>
PCRE_CONFIG_UTF8	Availability of UTF-8 support (1=yes 0=no); option for <b>pcre_config()</b>
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.