NAME

PCRE2 - Perl-compatible regular expressions (revised API)

SYNOPSIS

#include <pcre2.h>

int pcre2_jit_compile(pcre2_code *_code_**, uint32_t** _options_**);**

DESCRIPTION

This function requests JIT compilation, which, if the just-in-time compiler is available, further processes a compiled pattern into machine code that executes much faster than the **pcre2_match**() interpretive matching function. Full details are given in the **pcre2jit** documentation.

The first argument is a pointer that was returned by a successful call to **pcre2_compile**(), and the second must contain one or more of the following bits:

```
PCRE2_JIT_COMPLETE      compile code for full matching
PCRE2_JIT_PARTIAL_SOFT  compile code for soft partial matching
PCRE2_JIT_PARTIAL_HARD  compile code for hard partial matching
```

There is also an obsolete option called PCRE2_JIT_INVALID_UTF, which has been superseded by the **pcre2_compile**() option PCRE2_MATCH_INVALID_UTF. The old option is deprecated and may be removed in the future.

The yield of the function is 0 for success, or a negative error code otherwise. In particular, PCRE2_ERROR_JIT_BADOPTION is returned if JIT is not supported or if an unknown bit is set in _options_. The function can also return PCRE2_ERROR_NOMEMORY if JIT is unable to allocate executable memory for the compiler, even if it was because of a system security restriction.

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.