

**NAME**

PCRE - Perl-compatible regular expressions

**SYNOPSIS**

```
#include <pcre.h>

pcre_jit_stack *pcre_jit_stack_alloc(int startsize,
                                     int maxsize);

pcre16_jit_stack *pcre16_jit_stack_alloc(int startsize,
                                          int maxsize);

pcre32_jit_stack *pcre32_jit_stack_alloc(int startsize,
                                          int maxsize);
```

**DESCRIPTION**

This function is used to create a stack for use by the code compiled by the JIT optimization of **pcre[16|32]\_study()**. The arguments are a starting size for the stack, and a maximum size to which it is allowed to grow. The result can be passed to the JIT run-time code by **pcre[16|32]\_assign\_jit\_stack()**, or that function can set up a callback for obtaining a stack. A maximum stack size of 512K to 1M should be more than enough for any pattern. For more details, see the **pcrejit** page.

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.