

NAME

PCRE - Perl-compatible regular expressions

SYNOPSIS

```
#include <pcre.h>

int pcre_get_substring(const char *subject, int *ovector,
    int stringcount, int stringnumber,
    const char **stringptr);

int pcre16_get_substring(PCRE_SPTR16 subject, int *ovector,
    int stringcount, int stringnumber,
    PCRE_SPTR16 *stringptr);

int pcre32_get_substring(PCRE_SPTR32 subject, int *ovector,
    int stringcount, int stringnumber,
    PCRE_SPTR32 *stringptr);
```

DESCRIPTION

This is a convenience function for extracting a captured substring. The arguments are:

subject Subject that has been successfully matched
ovector Offset vector that **pcre[16|32]_exec()** used
stringcount Value returned by **pcre[16|32]_exec()**
stringnumber Number of the required substring
stringptr Where to put the string pointer

The memory in which the substring is placed is obtained by calling **pcre[16|32]_malloc()**. The convenience function **pcre[16|32]_free_substring()** can be used to free it when it is no longer needed. The yield of the function is the length of the substring, **PCRE_ERROR_NOMEMORY** if sufficient memory could not be obtained, or **PCRE_ERROR_NOSUBSTRING** if the string number is invalid.

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.