

**NAME**

PCRE - Perl-compatible regular expressions

**SYNOPSIS**

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

```
int pcre_get_substring_list(const char *subject,
    int *ovector, int stringcount, const char ***listptr);
```

```
int pcre16_get_substring_list(PCRE_SPTR16 subject,
    int *ovector, int stringcount, PCRE_SPTR16 **listptr);
```

```
int pcre32_get_substring_list(PCRE_SPTR32 subject,
    int *ovector, int stringcount, PCRE_SPTR32 **listptr);
```

**DESCRIPTION**

This is a convenience function for extracting a list of all the captured substrings. 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**  
*listptr*    Where to put a pointer to the list

The memory in which the substrings and the list are placed is obtained by calling **pcre[16|32]\_malloc()**. The convenience function **pcre[16|32]\_free\_substring\_list()** can be used to free it when it is no longer needed. A pointer to a list of pointers is put in the variable whose address is in *listptr*. The list is terminated by a NULL pointer. The yield of the function is zero on success or **PCRE\_ERROR\_NOMEMORY** if sufficient memory could not be obtained.

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.