

NAME

re_comp, re_exec – BSD regex functions

LIBRARY

Standard C library (*libc*, *-lc*)

SYNOPSIS

```
#define _REGEX_RE_COMP
#include <sys/types.h>
#include <regex.h>

[[deprecated]] char *re_comp(const char *regex);
[[deprecated]] int re_exec(const char *string);
```

DESCRIPTION

re_comp() is used to compile the null-terminated regular expression pointed to by *regex*. The compiled pattern occupies a static area, the pattern buffer, which is overwritten by subsequent use of **re_comp()**. If *regex* is NULL, no operation is performed and the pattern buffer's contents are not altered.

re_exec() is used to assess whether the null-terminated string pointed to by *string* matches the previously compiled *regex*.

RETURN VALUE

re_comp() returns NULL on successful compilation of *regex* otherwise it returns a pointer to an appropriate error message.

re_exec() returns 1 for a successful match, zero for failure.

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes(7)**.

| Interface | Attribute | Value |
|-------------------------------------|---------------|-----------|
| re_comp() , re_exec() | Thread safety | MT-Unsafe |

STANDARDS

4.3BSD.

NOTES

These functions are obsolete; the functions documented in **regcomp(3)** should be used instead.

SEE ALSO

regcomp(3), **regex(7)**, GNU regex manual