

NAME

ERR_load_strings, ERR_PACK, ERR_get_next_error_library - load arbitrary error strings

SYNOPSIS

```
#include <openssl/err.h>
```

```
int ERR_load_strings(int lib, ERR_STRING_DATA *str);
```

```
int ERR_get_next_error_library(void);
```

```
unsigned long ERR_PACK(int lib, int func, int reason);
```

DESCRIPTION

ERR_load_strings() registers error strings for library number **lib**.

str is an array of error string data:

```
typedef struct ERR_string_data_st
{
    unsigned long error;
    char *string;
} ERR_STRING_DATA;
```

The error code is generated from the library number and a function and reason code: **error** = **ERR_PACK(lib, func, reason)**. **ERR_PACK()** is a macro.

The last entry in the array is {0,0}.

ERR_get_next_error_library() can be used to assign library numbers to user libraries at run time.

RETURN VALUES

ERR_load_strings() returns 1 for success and 0 for failure. **ERR_PACK()** returns the error code.

ERR_get_next_error_library() returns zero on failure, otherwise a new library number.

SEE ALSO

ERR_load_strings(3)

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