NAME

ERR_load_strings, ERR_PACK, ERR_get_next_error_library - load arbitrary error strings

SYNOPSIS

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

void 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 runtime.

RETURN VALUE

ERR_load_strings() returns no value. *ERR_PACK()* return the error code. *ERR_get_next_error_library()* returns a new library number.

SEE ALSO

err(3), *ERR_load_strings(3)*

HISTORY

ERR_load_error_strings() and *ERR_PACK()* are available in all versions of SSLeay and OpenSSL. *ERR_get_next_error_library()* was added in SSLeay 0.9.0.