

**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.