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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'ERR_PACK.3ossl' command

\$ man ERR_PACK.3ossl

ERR_LOAD_STRINGS(3ossl) OpenSSL ERR_LOAD_STRINGS(3ossl)

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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