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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'ERR\_error\_string.3ossl' command**

**\$ man ERR\_error\_string.3ossl**

ERR\_ERROR\_STRING(3ossl)      OpenSSL      ERR\_ERROR\_STRING(3ossl)

### NAME

ERR\_error\_string, ERR\_error\_string\_n, ERR\_lib\_error\_string,  
ERR\_func\_error\_string, ERR\_reason\_error\_string - obtain human-readable  
error message

### SYNOPSIS

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

char *ERR_error_string(unsigned long e, char *buf);
void ERR_error_string_n(unsigned long e, char *buf, size_t len);
const char *ERR_lib_error_string(unsigned long e);
const char *ERR_reason_error_string(unsigned long e);

Deprecated in OpenSSL 3.0:
const char *ERR_func_error_string(unsigned long e);
```

### DESCRIPTION

ERR\_error\_string() generates a human-readable string representing the error code e, and places it at buf. buf must be at least 256 bytes long. If buf is NULL, the error string is placed in a static buffer.

Note that this function is not thread-safe and does no checks on the size of the buffer; use ERR\_error\_string\_n() instead.

ERR\_error\_string\_n() is a variant of ERR\_error\_string() that writes at most len characters (including the terminating 0) and truncates the string if necessary. For ERR\_error\_string\_n(), buf may not be NULL.

The string will have the following format:

error:[error code]:[library name]:[reason string]

error code is an 8 digit hexadecimal number, library name and reason string are ASCII text.

ERR\_lib\_error\_string() and ERR\_reason\_error\_string() return the library name and reason string respectively.

If there is no text string registered for the given error code, the error string will contain the numeric code.

ERR\_print\_errors(3) can be used to print all error codes currently in the queue.

## RETURN VALUES

ERR\_error\_string() returns a pointer to a static buffer containing the string if buf == NULL, buf otherwise.

ERR\_lib\_error\_string() and ERR\_reason\_error\_string() return the strings, and NULL if none is registered for the error code.

ERR\_func\_error\_string() returns NULL.

## SEE ALSO

ERR\_get\_error(3), ERR\_print\_errors(3)

## HISTORY

ERR\_func\_error\_string() became deprecated in OpenSSL 3.0.

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