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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'ERR\_reason\_error\_string.3ossl'***

***\$ man ERR\_reason\_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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