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Rocky Enterprise Linux 9.2 Manual Pages on command 'ERR_GET_REASON.3ossl'

\$ man ERR_GET_REASON.3ossl

ERR_GET_LIB(3ossl) OpenSSL ERR_GET_LIB(3ossl)

NAME

ERR_GET_LIB, ERR_GET_REASON, ERR_FATAL_ERROR - get information from error codes

SYNOPSIS

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

```
int ERR_GET_LIB(unsigned long e);
```

```
int ERR_GET_REASON(unsigned long e);
```

```
int ERR_FATAL_ERROR(unsigned long e);
```

DESCRIPTION

The error code returned by ERR_get_error() consists of a library number and reason code. ERR_GET_LIB() and ERR_GET_REASON() can be used to

extract these.

`ERR_FATAL_ERROR()` indicates whether a given error code is a fatal error.

The library number describes where the error occurred, the reason code is the information about what went wrong.

Each sub-library of OpenSSL has a unique library number; the reason code is unique within each sub-library. Note that different libraries may use the same value to signal different reasons.

`ERR_R_...` reason codes such as `ERR_R_MALLOC_FAILURE` are globally unique. However, when checking for sub-library specific reason codes, be sure to also compare the library number.

`ERR_GET_LIB()`, `ERR_GET_REASON()`, and `ERR_FATAL_ERROR()` are macros.

RETURN VALUES

The library number, reason code, and whether the error is fatal, respectively. Starting with OpenSSL 3.0.0, the function code is always set to zero.

SEE ALSO

`ERR_get_error(3)`

HISTORY

`ERR_GET_LIB()` and `ERR_GET_REASON()` are available in all versions of OpenSSL.

`ERR_GET_FUNC()` was removed in OpenSSL 3.0.

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3.0.7

2023-07-13

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