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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'ERR\_GET\_LIB.3ossl'***

***\$ man ERR\_GET\_LIB.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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