



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

```
$ man ERR_FATAL_ERROR.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

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