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

\$ man ERR_new.3ossl

ERR_NEW(3ossl) OpenSSL ERR_NEW(3ossl)

NAME

ERR_new, ERR_set_debug, ERR_set_error, ERR_vset_error - Error recording building blocks

SYNOPSIS

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

```
void ERR_new(void);
```

```
void ERR_set_debug(const char *file, int line, const char *func);
```

```
void ERR_set_error(int lib, int reason, const char *fmt, ...);
```

```
void ERR_vset_error(int lib, int reason, const char *fmt, va_list args);
```

DESCRIPTION

The functions described here are generally not used directly, but rather through macros such as ERR_raise(3). They can still be useful for anyone that wants to make their own macros.

`ERR_new()` allocates a new slot in the thread's error queue.

`ERR_set_debug()` sets the debug information related to the current error in the thread's error queue. The values that can be given are the filename `file`, line in the file `line` and the name of the function `func` where the error occurred. The names must be constant, this function will only save away the pointers, not copy the strings.

`ERR_set_error()` sets the error information, which are the library number `lib` and the reason code `reason`, and additional data as a format string `fmt` and an arbitrary number of arguments. The additional data is processed with `BIO_snprintf(3)` to form the additional data string, which is allocated and store in the error record.

`ERR_vset_error()` works like `ERR_set_error()`, but takes a `va_list` argument instead of a variable number of arguments.

RETURN VALUES

`ERR_new`, `ERR_set_debug`, `ERR_set_error` and `ERR_vset_error` do not return any values.

NOTES

The library number is unique to each unit that records errors. OpenSSL has a number of preallocated ones for its own uses, but others may allocate their own library number dynamically with `ERR_get_next_error_library(3)`.

Reason codes are unique within each library, and may have an associated set of strings as a short description of the reason. For dynamically allocated library numbers, reason strings are recorded with `ERR_load_strings(3)`.

Provider authors are supplied with core versions of these functions,
see `provider-base(7)`.

SEE ALSO

`ERR_raise(3)`, `ERR_get_next_error_library(3)`, `ERR_load_strings(3)`,
`BIO_snprintf(3)`, `provider-base(7)`

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