



## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'ERR\_vset\_error.3openssl' command***

***\$ man ERR\_vset\_error.3openssl***

ERR\_NEW(3openssl)            OpenSSL            ERR\_NEW(3openssl)

### 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)

## COPYRIGHT

Copyright 2000-2020 The OpenSSL Project Authors. All Rights Reserved.

Licensed under the Apache License 2.0 (the "License"). You may not use this file except in compliance with the License. You can obtain a copy in the file LICENSE in the source distribution or at <https://www.openssl.org/source/license.html>.

3.0.7

2023-07-13

ERR\_NEW(3ossl)