



Linux Ubuntu 26.04 Manual Pages on command 'err.3'

\$ man err.3

err(3) Library Functions Manual err(3)

NAME

err, verr, errx, verrx, warn, vwarn, warnx, vwarnx - formatted error messages

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <err.h>

[[noreturn]] void err(int eval, const char *fmt, ...);
[[noreturn]] void errx(int eval, const char *fmt, ...);

void warn(const char *fmt, ...);
void warnx(const char *fmt, ...);

#include <stdarg.h>

[[noreturn]] void verr(int eval, const char *fmt, va_list args);
[[noreturn]] void verrx(int eval, const char *fmt, va_list args);

void vwarn(const char *fmt, va_list args);
void vwarnx(const char *fmt, va_list args);
```

DESCRIPTION

The `err()` and `warn()` family of functions display a formatted error message on the standard error output. In all cases, the last component of the program name, a colon character, and a space are output. If the `fmt` argument is not `NULL`, the `printf(3)`-like formatted error message is output. The output is terminated by a newline character.

The `err()`, `verr()`, `warn()`, and `vwarn()` functions append an error message obtained from `strerror(3)` based on the global variable `errno`, preceded by another colon and space unless the

The `err()`, `verr()`, `errx()`, and `verrx()` functions do not return, but exit with the value of the argument `eval`.

For an explanation of the terms used in this section, see `attributes(7)`.

[illegible]

BSD.

err()

warn() 4.4BSD.

Display the current errno information string and exit:

```
p = malloc(size);

if (p == NULL)

    err(EXIT_FAILURE, NULL);

fd = open(file_name, O_RDONLY, 0);

if (fd == -1)

    err(EXIT_FAILURE, "%s", file_name);
```

Display an error message and exit:

```
if (tm.tm_hour < START_TIME)
    errx(EXIT_FAILURE, "too early, wait until %s",
        start_time_string);
```

Warn of an error:

```
fd = open(raw_device, O_RDONLY, 0);
if (fd == -1)
    warnx("%s: %s: trying the block device",
```

```
    raw_device, strerror(errno));  
fd = open(block_device, O_RDONLY, 0);  
if (fd == -1)  
    err(EXIT_FAILURE, "%s", block_device);
```

SEE ALSO

[error\(3\)](#), [exit\(3\)](#), [perror\(3\)](#), [printf\(3\)](#), [strerror\(3\)](#)

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