Rocky Enterprise Linux 9.2 Manual Pages on command 'warnx.3'

$ man warnx.3

ERR(3)   Linux Programmer's Manual   ERR(3)

NAME

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

SYNOPSIS

   #include <err.h>

   void err(int eval, const char *fmt, ...);

   void errx(int eval, const char *fmt, ...);

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

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

   #include <stdarg.h>

   void verr(int eval, const char *fmt, va_list args);

   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 er?

   ror 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 fmt argument is NULL.

   The errx() and warnx() functions do not append an error message.

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

ATTRIBUTES

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

??
?Interface   ? Attribute   ? Value   ?
??
?err(), errx(),   ? Thread safety ? MT-Safe locale ?
?warn(), warnx(), ?   ?   ?
?verr(), verrx(), ?   ?   ?
?vwarn(), vwarnx() ?   ?   ?
??

CONFORMING TO

These functions are nonstandard BSD extensions.

EXAMPLES

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)

COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the
project, information about reporting bugs, and the latest version of this page, can be
found at https://www.kernel.org/doc/man-pages/.

Linux	2020-06-09	ERR(3)