



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

C:\>man ferror.3

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

NAME

clearerr, feof, ferror, fileno - check and reset stream status

SYNOPSIS

```
#include <stdio.h>

void clearerr(FILE *stream);

int feof(FILE *stream);

int ferror(FILE *stream);

int fileno(FILE *stream);
```

Feature Test Macro Requirements for glibc (see [feature_test_macros\(7\)](#)):

```
fileno(): _POSIX_C_SOURCE
```

DESCRIPTION

The function `clearerr()` clears the end-of-file and error indicators for the stream pointed to by `stream`.

The function `feof()` tests the end-of-file indicator for the stream pointed to by `stream`, returning nonzero if it is set. The end-of-file indicator can be cleared only by the function `clearerr()`.

The function `ferror()` tests the error indicator for the stream pointed to by `stream`, returning nonzero if it is set. The error indicator can be reset only by the `clearerr()` function.

The function `fileno()` examines the argument `stream` and returns the integer file descriptor used to implement this stream. The file descriptor is still owned by

stream and will be closed when `fclose(3)` is called. Duplicate the file descriptor with `dup(2)` before passing it to code that might close it.

For nonlocking counterparts, see `unlocked_stdio(3)`.

ERRORS

These functions should not fail and do not set the external variable `errno`. (How? ever, in case `fileno()` detects that its argument is not a valid stream, it must re? turn -1 and set `errno` to `EBADF`.)

ATTRIBUTES

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

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?Interface ? Attribute ? Value ?

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?clearerr(), feof(), ? Thread safety ? MT-Safe ?

?ferror(), fileno() ? ? ?

??

CONFORMING TO

The functions `clearerr()`, `feof()`, and `ferror()` conform to C89, C99, POSIX.1-2001, and POSIX.1-2008.

The function `fileno()` conforms to POSIX.1-2001 and POSIX.1-2008.

SEE ALSO

`open(2)`, `fdopen(3)`, `stdio(3)`, `unlocked_stdio(3)`

COLOPHON

This page is part of release 5.05 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/>.