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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'fflush.3' command

\$ man fflush.3

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

NAME

fflush - flush a stream

SYNOPSIS

```
#include <stdio.h>

int fflush(FILE *stream);
```

DESCRIPTION

For output streams, fflush() forces a write of all user-space buffered data for the given output or update stream via the stream's underlying write function.

For input streams associated with seekable files (e.g., disk files, but not pipes or terminals), fflush() discards any buffered data that has been fetched from the underlying file, but has not been consumed by the application.

The open status of the stream is unaffected.

If the stream argument is NULL, fflush() flushes all open output streams.

For a nonlocking counterpart, see unlocked_stdio(3).

RETURN VALUE

Upon successful completion 0 is returned. Otherwise, EOF is returned and errno is set to indicate the error.

ERRORS

EBADF stream is not an open stream, or is not open for writing.

The function `fflush()` may also fail and set `errno` for any of the errors specified for `write(2)`.

ATTRIBUTES

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

??
?Interface ? Attribute ? Value ?
??
?fflush() ? Thread safety ? MT-Safe ?
??

CONFORMING TO

C89, C99, POSIX.1-2001, POSIX.1-2008.
POSIX.1-2001 did not specify the behavior for flushing of input streams, but the behavior is specified in POSIX.1-2008.

NOTES

Note that `fflush()` flushes only the user-space buffers provided by the C library. To ensure that the data is physically stored on disk the kernel buffers must be flushed too, for example, with `sync(2)` or `fsync(2)`.

SEE ALSO

`fsync(2)`, `sync(2)`, `write(2)`, `fclose(3)`, `fileno(3)`, `fopen(3)`, `setbuf(3)`, `unlocked_stdio(3)`

COLOPHON

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