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

STDIO_EXT(3)

fbufsize,flbf,fpending,fpurge,freadable,freading,fsetlocking,
fwritable,fwriting, _flushlbf - interfaces to stdio FILE structure
SYNOPSIS
#include <stdio.h></stdio.h>
#include <stdio_ext.h></stdio_ext.h>
size_tfbufsize(FILE *stream);
size_tfpending(FILE *stream);
intflbf(FILE *stream);
intfreadable(FILE *stream);
intfwritable(FILE *stream);
intfreading(FILE *stream);
intfwriting(FILE *stream);
intfsetlocking(FILE *stream, int type);
void _flushlbf(void);
voidfpurge(FILE *stream);
DESCRIPTION
Solaris introduced routines to allow portable access to the internals of the FILE struc?
ture, and glibc also implemented these.
Thefbufsize() function returns the size of the buffer currently used by the given
stream.
Thefpending() function returns the number of bytes in the output buffer. For wide-ori?

Linux Programmer's Manual

\$ man __flbf.3
STDIO_EXT(3)

NAME

ented streams the unit is wide characters. This function is undefined on buffers in read? ing mode, or opened read-only.

The __flbf() function returns a nonzero value if the stream is line-buffered, and zero otherwise.

The __freadable() function returns a nonzero value if the stream allows reading, and zero otherwise.

The __fwritable() function returns a nonzero value if the stream allows writing, and zero otherwise.

The __freading() function returns a nonzero value if the stream is read-only, or if the last operation on the stream was a read operation, and zero otherwise.

The __fwriting() function returns a nonzero value if the stream is write-only (or append-only), or if the last operation on the stream was a write operation, and zero otherwise.

The __fsetlocking() function can be used to select the desired type of locking on the stream. It returns the current type. The type argument can take the following three val? ues:

FSETLOCKING_INTERNAL

Perform implicit locking around every operation on the given stream (except for the * unlocked ones). This is the default.

FSETLOCKING_BYCALLER

The caller will take care of the locking (possibly using flockfile(3) in case there is more than one thread), and the stdio routines will not do locking until the state is reset to FSETLOCKING_INTERNAL.

FSETLOCKING QUERY

Don't change the type of locking. (Only return it.)

The _flushlbf() function flushes all line-buffered streams. (Presumably so that output to a terminal is forced out, say before reading keyboard input.)

The fpurge() function discards the contents of the stream's buffer.

ATTRIBUTES

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

?Interface ? Attribute ? Value ?

?__fbufsize(), __fpending(), ? Thread safety ? MT-Safe race:stream ?

SEE ALSO

flockfile(3), fpurge(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/.

2015-03-02 STDIO_EXT(3)