AIO_FSYNC(3)

NAME

aio_fsync - asynchronous file synchronization

SYNOPSIS

#include <aio.h>

int aio_fsync(int op**, struct aiocb *** aiocbp**);**

Link with -lrt.

DESCRIPTION

The **aio_fsync**() function does a sync on all outstanding asynchronous I/O operations associated with aiocbp->aio_fildes. (See **aio**(7) for a description of the aiocb structure.)

More precisely, if op is **O_SYNC**, then all currently queued I/O operations shall be completed as if by a call of **fsync**(2), and if op is **O_DSYNC**, this call is the asynchronous analog of **fdatasync**(2).

Note that this is a request only; it does not wait for I/O completion.

Apart from aio_fildes, the only field in the structure pointed to by aiocbp that is used by this call is the aio_sigevent field (a sigevent structure, described in

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sigevent(7)), which indicates the desired type of asynchronous notification at completion. All other fields are ignored.

RETURN VALUE

On success (the sync request was successfully queued) this function returns 0. On error -1 is returned, and errno is set appropriately.

ERRORS

EAGAIN Out of resources.

EBADF aio_fildes is not a valid file descriptor open for writing.

EINVAL Synchronized I/O is not supported for this file, or op is not **O_SYNC** or **O_DSYNC**.

ENOSYS aio_fsync() is not implemented.

VERSIONS

The **aio_fsync**() function is available since glibc 2.1.

CONFORMING TO

POSIX.1-2001, POSIX.1-2008.

SEE ALSO

aio_cancel(3), **aio_error**(3), **aio_read**(3), **aio_return**(3), **aio_suspend**(3), **aio_write**(3), **lio_listio**(3), **aio**(7), **sigevent**(7)

COLOPHON

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2012-05-08