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 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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