NAME

aio_fsync − asynchronous file synchronization

LIBRARY

Real-time library (*librt*, *−lrt*)

SYNOPSIS

#include <aio.h>

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

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 to indicate the error.

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.

ATTRIBUTES

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

Interface	Attribute	Value
aio_fsync()	Thread safety	MT-Safe

STANDARDS

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)