NAME

aio_cancel - cancel an outstanding asynchronous I/O operation (REALTIME)

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

#include <aio.h>

int
aio_cancel(*int fildes, struct aiocb *iocb*);

DESCRIPTION

The **aio_cancel**() system call cancels the outstanding asynchronous I/O request for the file descriptor specified in *fildes*. If *iocb* is specified, only that specific asynchronous I/O request is cancelled.

Normal asynchronous notification occurs for cancelled requests. Requests complete with an error result of ECANCELED.

RESTRICTIONS

The **aio_cancel**() system call does not cancel asynchronous I/O requests for raw disk devices. The **aio_cancel**() system call will always return AIO_NOTCANCELED for file descriptors associated with raw disk devices.

RETURN VALUES

The **aio_cancel**() system call returns -1 to indicate an error, or one of the following:

[AIO_CANCELED]
All outstanding requests meeting the criteria specified were cancelled.

[AIO_NOTCANCELED]
Some requests were not cancelled, status for the requests should be checked with aio_error(2).

[AIO_ALLDONE]
All of the requests meeting the criteria have finished.

ERRORS

An error return from **aio_cancel**() indicates:

[EBADF] The *fildes* argument is an invalid file descriptor.

SEE ALSO

aio_error(2), aio_read(2), aio_return(2), aio_suspend(2), aio_write(2), aio(4)

STANDARDS

The **aio_cancel**() system call is expected to conform to the IEEE Std 1003.1 ("POSIX.1") standard.

HISTORY

The **aio_cancel**() system call first appeared in FreeBSD 3.0. The first functional implementation of **aio_cancel**() appeared in FreeBSD 4.0.

AUTHORS

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