



Linux Ubuntu 26.04 Manual Pages on command 'aio_fsync.3'

\$ man aio_fsync.3

aio_fsync(3) Library Functions Manual aio_fsync(3)

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(3type)`), 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

ATTRIBUTES

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.

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

[illegible]

?	Interface	?	Attribute	?	Value	?
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[illegible]

? aio_fsync() ? Thread safety ? MT-Safe ?

[illegible]

POSIX.1-2008.

glibc 2.1. POSIX.1-2001.

aio_cancel(3), aio_error(3), aio_read(3), aio_return(3), aio_suspend(3), aio_write(3),

```
lio_listio(3), aio(7), sigevent(3type)
```