



## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'aio\_fsync.3' command***

**\$ man aio\_fsync.3**

AIO\_FSYNC(3)          Linux Programmer's Manual          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 `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.

## ATTRIBUTES

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

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?Interface ? Attribute ? Value ?

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?aio\_fsync() ? Thread safety ? MT-Safe ?

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## 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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