

**NAME**

`aiio_fsync` - asynchronous file synchronization

**SYNOPSIS**

```
#include <aiio.h>
```

```
int aiio_fsync(int op, struct aiioch *aiiochp);
```

Link with `-lrt`.

**DESCRIPTION**

The `aiio_fsync()` function does a sync on all outstanding asynchronous I/O operations associated with `aiiochp->aiio_fildes`. (See [aiio\(7\)](#) for a description of the `aiioch` 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 `aiio_fildes`, the only field in the structure pointed to by `aiiochp` that is used by this call is the `aiio_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**

`aiio_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**

`aiio_fsync()` is not implemented.

**VERSIONS**

The `aiio_fsync()` function is available since glibc 2.1.

**CONFORMING TO**

POSIX.1-2001, POSIX.1-2008.

**SEE ALSO**

[aiio\\_cancel\(3\)](#), [aiio\\_error\(3\)](#), [aiio\\_read\(3\)](#), [aiio\\_return\(3\)](#), [aiio\\_suspend\(3\)](#), [aiio\\_write\(3\)](#), [lio\\_listio\(3\)](#), [aiio\(7\)](#), [sigevent\(7\)](#)

**COLOPHON**

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