

NAME

`aio_error` – get error status of asynchronous I/O operation

SYNOPSIS

```
#include <aio.h>
```

```
int aio_error(const struct aiocb *aiocbp);
```

Link with `-lrt`.

DESCRIPTION

The `aio_error()` function returns the error status for the asynchronous I/O request with control block pointed to by `aiocbp`. (See [aio\(7\)](#) for a description of the `aiocb` structure.)

RETURN VALUE

This function returns one of the following:

- * **EINPROGRESS**, if the request has not been completed yet.
- * **ECANCELED**, if the request was canceled.
- * 0, if the request completed successfully.
- * A positive error number, if the asynchronous I/O operation failed. This is the same value that would have been stored in the `errno` variable in the case of a synchronous `read(2)`, `write(2)`, `fsync(2)`, or `fdatasync(2)` call.

ERRORS**EINVAL**

`aiocbp` does not point at a control block for an asynchronous I/O request of which the return status (see [aio_return\(3\)](#)) has not been retrieved yet.

ENOSYS

`aio_error()` is not implemented.

VERSIONS

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

ATTRIBUTES

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

Interface	Attribute	Value
<code>aio_error()</code>	Thread safety	MT-Safe

CONFORMING TO

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

EXAMPLE

See [aio\(7\)](#).

SEE ALSO

[aio_cancel\(3\)](#), [aio_fsync\(3\)](#), [aio_read\(3\)](#), [aio_return\(3\)](#), [aio_suspend\(3\)](#), [aio_write\(3\)](#), [lio_listio\(3\)](#), [aio\(7\)](#)

COLOPHON

This page is part of release 5.05 of the Linux *man-pages* project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.