

NAME

`aioreturn` - get return status of asynchronous I/O operation

SYNOPSIS

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

```
ssize_t aioreturn(struct aiocb *aiocbp);
```

Link with `-lrt`.

DESCRIPTION

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

This function should be called only once for any given request, after [aio_error\(3\)](#) returns something other than **EINPROGRESS**.

RETURN VALUE

If the asynchronous I/O operation has completed, this function returns the value that would have been returned in case of a synchronous [read\(2\)](#), [write\(2\)](#), [fsync\(2\)](#) or [fdatasync\(2\)](#), call.

If the asynchronous I/O operation has not yet completed, the return value and effect of `aioreturn()` are undefined.

ERRORS**EINVAL**

`aiocbp` does not point at a control block for an asynchronous I/O request of which the return status has not been retrieved yet.

ENOSYS

`aioreturn()` is not implemented.

VERSIONS

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

ATTRIBUTES

Multithreading (see [pthread\(7\)](#))

The `aioreturn()` function is thread-safe.

CONFORMING TO

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

EXAMPLE

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

SEE ALSO

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

COLOPHON

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