

# AIO\_RETURN(3)

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AIO\_RETURN(3)    Linux Programmer's Manual    AIO\_RETURN(3)

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## NAME

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

## SYNOPSIS

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

```
ssize_t aio_return(struct aiocb *aioctx);
```

Link with `-lrt`.

## DESCRIPTION

The `aio_return()` function returns the final return status for the asynchronous I/O request with control block pointed to by `aioctx`. (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 **aio\_return()** 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** **aio\_return()** is not implemented.

## VERSIONS

The **aio\_return()** function is available since glibc 2.1.

## ATTRIBUTES

Multithreading (see **pthread(7)**)

The **aio\_return()** 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

This page is part of release 3.54 of the Linux man-pages project. A description of the project, and information about reporting bugs, can be found at <http://www.kernel.org/doc/man-pages/>.

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