

**NAME**

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

**SYNOPSIS**

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

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

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 `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. On error, `-1` is returned, and `errno` is set appropriately.

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**

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

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