

NAME

aio_return – get return status of asynchronous I/O operation

LIBRARY

Real-time library (*librt*, *-lrt*)

SYNOPSIS

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

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

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 to indicate the error.

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.

ATTRIBUTES

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

Interface	Attribute	Value
aio_return()	Thread safety	MT-Safe

STANDARDS

POSIX.1-2008.

HISTORY

glibc 2.1. POSIX.1-2001.

EXAMPLES

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)**