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.

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
aio_return()	Thread safety	MT-Safe

STANDARDS

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

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)