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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'aio_return.3p' command

$ man aio_return.3p

AIO_RETURN(3P) POSIX Programmer's Manual AIO_RETURN(3P)

PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

NAME

aio_return ? retrieve return status of an asynchronous I/O operation

SYNOPSIS

```
#include <aio.h>

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

DESCRIPTION

The aio_return() function shall return the return status associated with the aiocb structure referenced by the aiocbp argument. The return status for an asynchronous I/O operation is the value that would be re? turned by the corresponding read(), write(), or fsync() function call.

If the error status for the operation is equal to [EINPROGRESS], then the return status for the operation is undefined. The aio_return() function may be called exactly once to retrieve the return status of a given asynchronous operation; thereafter, if the same aiocb structure is used in a call to aio_return() or aio_error(), an error may be re? turned. When the aiocb structure referred to by aiocbp is used to sub? mit another asynchronous operation, then aio_return() may be success?

fully used to retrieve the return status of that operation.

RETURN VALUE

If the asynchronous I/O operation has completed, then the return sta?
tus, as described for read(), write(), and fsync(), shall be returned.

If the asynchronous I/O operation has not yet completed, the results of
aio_return() are undefined.

If the aio_return() function fails, it shall return -1 and set errno to
indicate the error.

ERRORS

The aio_return() function may fail if:

EINVAL The aiocbp argument does not refer to an asynchronous operation
whose return status has not yet been retrieved.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

aio_cancel(), aio_error(), aio_fsync(), aio_read(), aio_write(),
close(), exec, exit(), fork(), lio_listio(), lseek(), read()

The Base Definitions volume of POSIX.1?2017, <aio.h>

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