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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'aio\_error.3p' command***

***\$ man aio\_error.3p***

AIO\_ERROR(3P)      POSIX Programmer's Manual      AIO\_ERROR(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\_error ? retrieve errors status for an asynchronous I/O operation

### SYNOPSIS

```
#include <aio.h>

int aio_error(const struct aiocb *aiocbp);
```

### DESCRIPTION

The aio\_error() function shall return the error status associated with the aiocb structure referenced by the aiocbp argument. The error status for an asynchronous I/O operation is the errno value that would be set by the corresponding read(), write(), fdatsync(), or fsync() operation. If the operation has not yet completed, then the error status shall be equal to [EINPROGRESS].

If the aiocb structure pointed to by aiocbp is not associated with an operation that has been scheduled, the results are undefined.

### RETURN VALUE

If the asynchronous I/O operation has completed successfully, then 0 shall be returned. If the asynchronous operation has completed unsuc?

cessfully, then the error status, as described for read(), write(), fdatasync(), and fsync(), shall be returned. If the asynchronous I/O operation has not yet completed, then [EINPROGRESS] shall be returned. If the aio\_error() function fails, it shall return -1 and set errno to indicate the error.

## ERRORS

The aio\_error() 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\_fsync(), aio\_read(), aio\_return(), aio\_write(), close(), exec, exit(), fork(), lio\_listio(), lseek(), read()

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

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