



Linux Ubuntu 26.04 Manual Pages on command 'aio_suspend.3'

\$ man aio_suspend.3

aio_suspend(3) Library Functions Manual aio_suspend(3)

NAME

aio_suspend - wait for asynchronous I/O operation or timeout

LIBRARY

Real-time library (librt, -lrt)

SYNOPSIS

```
#include <aio.h>

int aio_suspend(int n;
               const struct aiocb *const aiocb_list[n], int n,
               const struct timespec *restrict timeout);
```

DESCRIPTION

The `aio_suspend()` function suspends the calling thread until one of the following occurs:

- ? One or more of the asynchronous I/O requests in the list `aiocb_list` has completed.
- ? A signal is delivered.
- ? `timeout` is not `NULL` and the specified time interval has passed. (For details of the `timespec` structure, see `nanosleep(2)`.)

The `n` argument specifies the number of items in `aiocb_list`. Each item in the list pointed to by `aiocb_list` must be either `NULL` (and then is ignored), or a pointer to a control block on which I/O was initiated using `aio_read(3)`, `aio_write(3)`, or `lio_listio(3)`. (See `aio(7)` for a description of the `aiocb` structure.)

If `CLOCK_MONOTONIC` is supported, this clock is used to measure the timeout interval (see `clock_gettime(2)`).

RETURN VALUE

