

**NAME**

**pthread\_atfork** - register fork handlers

**LIBRARY**

POSIX Threads Library (libpthread, -lpthread)

**SYNOPSIS**

**#include <pthread.h>**

*int*

**pthread\_atfork**(void (\**prepare*)(void), void (\**parent*)(void), void (\**child*)(void));

**DESCRIPTION**

The **pthread\_atfork**() function declares fork handlers to be called before and after fork(2), in the context of the thread that called fork(2).

The handlers registered with **pthread\_atfork**() are called at the moments in time described below:

*prepare* Before fork(2) processing commences in the parent process. If more than one *prepare* handler is registered they will be called in the opposite order they were registered.

*parent* After fork(2) completes in the parent process. If more than one *parent* handler is registered they will be called in the same order they were registered.

*child* After fork(2) processing completes in the child process. If more than one *child* handler is registered they will be called in the same order they were registered.

If no handling is desired at one or more of these three points, a null pointer may be passed as the corresponding fork handler.

**RETURN VALUES**

If successful, the **pthread\_atfork**() function will return zero. Otherwise an error number will be returned to indicate the error.

**ERRORS**

The **pthread\_atfork**() function will fail if:

[ENOMEM]           Insufficient table space exists to record the fork handler addresses.

**SEE ALSO**

fork(2), pthread(3)

## STANDARDS

The **pthread\_atfork()** function is expected to conform to IEEE Std 1003.1 ("POSIX.1").

## AUTHORS

This manpage was written by Alex Vasylenko <*lxv@omut.org*>.