NAME

rfork_thread - create a rfork-based process thread

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

#include <unistd.h>

pid_t
rfork_thread(*int flags*, *void *stack*, *int (*func)(void *arg)*, *void *arg*);

DESCRIPTION

The rfork_thread() function has been deprecated in favor of pthread_create(3).

The **rfork_thread**() function is a helper function for rfork(2). It arranges for a new process to be created and the child process will call the specified function with the specified argument, while running on the supplied stack.

Using this function should avoid the need to implement complex stack swap code.

RETURN VALUES

Upon successful completion, **rfork_thread**() returns the process ID of the child process to the parent process. Otherwise, a value of -1 is returned to the parent process, no child process is created, and the global variable *errno* is set to indicate the error.

The child process context is not aware of a return from the **rfork_thread**() function as it begins executing directly with the supplied function.

ERRORS

See rfork(2) for error return codes.

SEE ALSO

fork(2), intro(2), minherit(2), rfork(2), vfork(2), pthread_create(3)

HISTORY

The **rfork_thread**() function first appeared in FreeBSD 4.3.