## NAME
**thrd_create** - create a thread

## SYNOPSIS
library "threads"
**#include <threads.h>**

*typedef int (*thrd_start_t)(void*);*

*int*
**thrd_create**(*thrd_t *thrd*, *thrd_start_t fn*, *void *arg*);

## DESCRIPTION
The function **thrd_create**() will create a thread in the current process and store it's identifier in *thrd*. The thread will execute the given start callback function *fn* and pass it the given opaque pointer *arg*.

The thread will continue executing concurrently until either the given function *fn* returns or thrd_exit(3) has been called from within the thread.

Any thread-local variables that have been created with tss_create(3) will be initialized to NULL for the new thread.

A thread will inherit the signal mask of it's process.

## RETURN VALUES
The function **thrd_create**() will return *thrd_success* on success, if there is insufficient memory *thrd_nomem* will be returned. In any other error case *thrd_error* will be returned.

## SEE ALSO
thrd_exit(3) thrd_sleep(3) thrd_yield(3) thrd_equal(3) thrd_detach(3) thrd_current(3) thrd_join(3)

## HISTORY
The **thrd_create**() function first appeared in the C11 standard ISO/IEC 9899:2011.

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