NAME

gettid – get thread identification

SYNOPSIS

#include <sys/types.h>

pid_t gettid(void);

DESCRIPTION

gettid() returns the caller's thread ID (TID). In a single-threaded process, the thread ID is equal to the process ID (PID, as returned by **getpid**(2)). In a multithreaded process, all threads have the same PID, but each one has a unique TID. For further details, see the discussion of **CLONE_THREAD** in **clone**(2).

RETURN VALUE

On success, returns the thread ID of the calling process.

ERRORS

This call is always successful.

VERSIONS

The **gettid**() system call first appeared on Linux in kernel 2.4.11.

CONFORMING TO

gettid() is Linux-specific and should not be used in programs that are intended to be portable.

NOTES

Glibc does not provide a wrapper for this system call; call it using **syscall**(2).

The thread ID returned by this call is not the same thing as a POSIX thread ID (i.e., the opaque value returned by **pthread_self**(3)).

SEE ALSO

clone(2), **fork**(2), **getpid**(2)

COLOPHON

This page is part of release 3.22 of the Linux *man-pages* project. A description of the project, and information about reporting bugs, can be found at http://www.kernel.org/doc/man-pages/.