# Rocky Enterprise Linux 9.2 Manual Pages on command 'gettid.2'

**$ man gettid.2**

GETTID(2)                   Linux Programmer's Manual                   GETTID(2)

NAME

   gettid - get thread identification

SYNOPSIS

   #define _GNU_SOURCE

   #include <unistd.h>

   #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 thread.

ERRORS

   This call is always successful.

## VERSIONS

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

brary support was added in glibc 2.30.  (Earlier glibc versions did not

provide  a  wrapper  for  this  system  call,  necessitating the use of

syscall(2).)

## CONFORMING TO

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

intended to be portable.

## NOTES

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)).

In a new thread group created by a clone(2) call that does not  specify

the  CLONE_THREAD  flag  (or,  equivalently,  a  new process created by

fork(2)), the new process is a thread  group  leader,  and  its  thread

group ID (the value returned by getpid(2)) is the same as its thread ID

(the value returned by gettid()).

## SEE ALSO

capget(2), clone(2), fcntl(2), fork(2), get_robust_list(2),  getpid(2),

ioprio_set(2),   perf_event_open(2),  sched_setaffinity(2),  sched_set?

param(2), sched_setscheduler(2), tgkill(2), timer_create(2)

## COLOPHON

This page is part of release 5.10 of the Linux  man-pages  project.   A

description  of  the project, information about reporting bugs, and the

latest  version  of  this  page,  can   be   found   at

https://www.kernel.org/doc/man-pages/.

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