



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'pthread_getcpuclockid.3p' command

\$ man pthread_getcpuclockid.3p

PTHREAD_GETCPCLOCKID(3P) POSIX Programmer's Manual PTHREAD_GETCPCLOCKID(3P)

PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

NAME

pthread_getcpuclockid ? access a thread CPU-time clock (ADVANCED REAL? TIME THREADS)

SYNOPSIS

```
#include <pthread.h>
#include <time.h>
int pthread_getcpuclockid(pthread_t thread_id, clockid_t *clock_id);
```

DESCRIPTION

The pthread_getcpuclockid() function shall return in clock_id the clock ID of the CPU-time clock of the thread specified by thread_id, if the thread specified by thread_id exists.

RETURN VALUE

Upon successful completion, pthread_getcpuclockid() shall return zero; otherwise, an error number shall be returned to indicate the error.

ERRORS

No errors are defined.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

The `pthread_getcpuclockid()` function is part of the Thread CPU-Time Clocks option and need not be provided on all implementations.

RATIONALE

If an implementation detects use of a thread ID after the end of its lifetime, it is recommended that the function should fail and report an [ESRCH] error.

FUTURE DIRECTIONS

None.

SEE ALSO

`clock_getcpuclockid()`, `clock_getres()`, `timer_create()`

The Base Definitions volume of POSIX.1-2017, `<pthread.h>`, `<time.h>`

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