

**NAME**

**clock\_getcpuclockid** - access a process CPU-time clock

**LIBRARY**

Standard C Library (libc, -lc)

**SYNOPSIS**

```
#include <time.h>
```

*int*

```
clock_getcpuclockid(pid_t pid, clockid_t *clock_id);
```

**DESCRIPTION**

The **clock\_getcpuclockid()** returns the clock ID of the CPU-time clock of the process specified by *pid*. If the process described by *pid* exists and the calling process has permission, the clock ID of this clock will be returned in *clock\_id*.

If *pid* is zero, the **clock\_getcpuclockid()** function returns the clock ID of the CPU-time clock of the process making the call, in *clock\_id*.

**RETURN VALUES**

Upon successful completion, **clock\_getcpuclockid()** returns zero; otherwise, an error number is returned to indicate the error.

**ERRORS**

The **clock\_getcpuclockid()** function will fail if:

[EPERM]           The requesting process does not have permission to access the CPU-time clock for the process.

[ESRCH]           No process can be found corresponding to the process specified by *pid*.

**SEE ALSO**

clock\_gettime(2)

**STANDARDS**

The **clock\_getcpuclockid()** function conforms to IEEE Std 1003.1-2001 ("POSIX.1").

**HISTORY**

The **clock\_getcpuclockid()** function first appeared in FreeBSD 10.0.

**AUTHORS**

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