



Linux Ubuntu 26.04 Manual Pages on command 'sched_getcpu.3'

\$ man sched_getcpu.3

sched_getcpu(3) Library Functions Manual sched_getcpu(3)

NAME

sched_getcpu - determine CPU on which the calling thread is running

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <sched.h>
```

```
int sched_getcpu(void);
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

sched_getcpu():

Since glibc 2.14:

```
_GNU_SOURCE
```

Before glibc 2.14:

```
_BSD_SOURCE || _SVID_SOURCE
```

```
/* _GNU_SOURCE also suffices */
```

DESCRIPTION

sched_getcpu() returns the number of the CPU on which the calling thread is currently executing.

RETURN VALUE

On success, sched_getcpu() returns a nonnegative CPU number. On error, -1 is returned and errno is set to indicate the error.

ERRORS

ENOSYS This kernel does not implement getcpu(2).

ATTRIBUTES

For an explanation of the terms used in this section, see `attributes(7)`.

[illegible]

?	Interface	?	Attribute	?	Value	?
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[illegible]

? sched_getcpu() ? Thread safety ? MT-Safe ?

[illegible]

STANDARDS

GNU.

HISTORY

glibc 2.6.

NOTES

The call

```
cpu = sched_getcpu();
```

is equivalent to the following `getcpu(2)` call:

```
int c, s;
```

```
s = getcpu(&c, NULL);
```

```
cpu = (s == -1) ? s : c;
```

SEE ALSO

```
getcpu(2), sched(7)
```

Linux man-pages 6.17

2025-05-17

```

sched_getcpu(3)

```