



Rocky Enterprise Linux 9.2 Manual Pages on command 'sched_getcpu.3'

C:\>man sched_getcpu.3

SCHED_GETCPU(3) Linux Programmer's Manual SCHED_GETCPU(3)

NAME

 sched_getcpu - determine CPU on which the calling thread is running

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).

VERSIONS

This function is available since glibc 2.6.

ATTRIBUTES

For an explanation of the terms used in this section, see [attributes\(7\)](#).

??

?Interface ? Attribute ? Value ?

??

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

??

CONFORMING TO

`sched_getcpu()` is glibc-specific.

NOTES

The call

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

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

```
int c, s;
```

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

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

SEE ALSO

[getcpu\(2\)](#), [sched\(7\)](#)

COLOPHON

This page is part of release 5.05 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/>.