

NAME

getsid - get session ID

SYNOPSIS

```
#include <unistd.h>
```

```
pid_t getsid(pid_t pid);
```

Feature Test Macro Requirements for glibc (see [feature_test_macros\(7\)](#)):

```
getsid():
```

```
_XOPEN_SOURCE >= 500 || _XOPEN_SOURCE && _XOPEN_SOURCE_EXTENDED  
|| /* Since glibc 2.12: */ _POSIX_C_SOURCE >= 200809L
```

DESCRIPTION

getsid(0) returns the session ID of the calling process. *getsid(p)* returns the session ID of the process with process ID *p*. (The session ID of a process is the process group ID of the session leader.)

RETURN VALUE

On success, a session ID is returned. On error, (*pid_t*) *-1* will be returned, and *errno* is set appropriately.

ERRORS**EPERM**

A process with process ID *p* exists, but it is not in the same session as the calling process, and the implementation considers this an error.

ESRCH

No process with process ID *p* was found.

VERSIONS

This system call is available on Linux since version 2.0.

CONFORMING TO

SVr4, POSIX.1-2001.

NOTES

Linux does not return **EPERM**.

SEE ALSO

[getpgid\(2\)](#), [setsid\(2\)](#), [credentials\(7\)](#)

COLOPHON

This page is part of release 3.74 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 <http://www.kernel.org/doc/man-pages/>.