

**NAME**

getsid – get session ID

**SYNOPSIS**

```
#include <sys/types.h>
```

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

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

Feature Test Macro Requirements for glibc (see [feature\\_test\\_macros\(7\)](#)):

```
getsid():
```

```
  _XOPEN_SOURCE >= 500
```

```
  || /* Since glibc 2.12: */ _POSIX_C_SOURCE >= 200809L
```

**DESCRIPTION**

*getsid(0)* returns the session ID of the calling process. **getsid()** returns the session ID of the process with process ID *pid*. If *pid* is 0, **getsid()** returns the session ID of the calling process.

**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 *pid* 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 *pid* was found.

**VERSIONS**

This system call is available on Linux since version 2.0.

**CONFORMING TO**

POSIX.1-2001, POSIX.1-2008, SVr4.

**NOTES**

Linux does not return **EPERM**.

See [credentials\(7\)](#) for a description of sessions and session IDs.

**SEE ALSO**

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

**COLOPHON**

This page is part of release 4.16 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/>.