

**NAME**

tcgetsid – get session ID

**SYNOPSIS**

```
#define _XOPEN_SOURCE 500    /* See feature_test_macros(7) */
#include <termios.h>

pid_t tcgetsid(int fd);
```

**DESCRIPTION**

The function **tcgetsid()** returns the session ID of the current session that has the terminal associated to *fd* as controlling terminal. This terminal must be the controlling terminal of the calling process.

**RETURN VALUE**

When *fd* refers to the controlling terminal of our session, the function **tcgetsid()** will return the session ID of this session. Otherwise,  $-1$  is returned, and *errno* is set appropriately.

**ERRORS****EBADF**

*fd* is not a valid file descriptor.

**ENOTTY**

The calling process does not have a controlling terminal, or it has one but it is not described by *fd*.

**VERSIONS**

**tcgetsid()** is provided in glibc since version 2.1.

**ATTRIBUTES**

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

Interface	Attribute	Value
<b>tcgetsid()</b>	Thread safety	MT-Safe

**CONFORMING TO**

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

**NOTES**

This function is implemented via the **TIOCGSID ioctl(2)**, present since Linux 2.1.71.

**SEE ALSO**

**getsid(2)**

**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/>.