

NAME

tcgetsid – get session ID

LIBRARY

Standard C library (*libc*, *-lc*)

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 to indicate the error.

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 since glibc 2.1.

ATTRIBUTES

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

Interface	Attribute	Value
tcgetsid()	Thread safety	MT-Safe

STANDARDS

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)