



Linux Ubuntu 26.04 Manual Pages on command 'tcgetsid.3'

\$ man tcgetsid.3

tcgetsid(3) Library Functions Manual tcgetsid(3)

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.

ATTRIBUTES

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

[illegible]

?	Interface	?	Attribute	?	Value	?
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[illegible]

? tcgetsid()	? Thread safety ? MT-Safe ?
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[illegible]

STANDARDS

POSIX.1-2008.

HISTORY

glibc 2.1. POSIX.1-2001.

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

SEE ALSO

```
getsid(2)
```

Linux man-pages 6.17

2026-02-08

```
tcgetsid(3)
```