

NAME

tcsetsid - set session ID associated with a controlling terminal

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

```
#include <termios.h>
```

int

```
tcsetsid(int fd, pid_t pid);
```

DESCRIPTION

The **tcsetsid()** function sets associates a session identified by *pid* with a controlling terminal specified by *fd*.

This implementation only allows the controlling terminal to be changed by the session leader itself. This implies that *pid* always has to be equal to the process ID.

It is unsupported to associate with a terminal that already has an associated session. Conversely, it is also unsupported to associate to a terminal when the session is already associated with a different terminal.

ERRORS

If an error occurs, **tcsetsid()** returns -1 and the global variable *errno* is set to indicate the error, as follows:

[EBADF]	The <i>fd</i> argument is not a valid file descriptor.
[ENOTTY]	The file descriptor represented by <i>fd</i> is not a terminal.
[EINVAL]	The <i>pid</i> argument is not equal to the session ID of the calling process.
[EPERM]	The calling process is not a session leader.
[EPERM]	The session already has an associated terminal or the terminal already has an associated session.

SEE ALSO

getsid(2), setsid(2), tcgetpgrp(3), tcsetsid(3)

HISTORY

A `tcsetsid()` function first appeared in QNX. It does not comply to any standard.