



## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'tcgetsid.3p' command***

***\$ man tcgetsid.3p***

TCGETSID(3P)          POSIX Programmer's Manual          TCGETSID(3P)

### PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

### NAME

tcgetsid ? get the process group ID for the session leader for the controlling terminal

### SYNOPSIS

```
#include <termios.h>

pid_t tcgetsid(int fildes);
```

### DESCRIPTION

The tcgetsid() function shall obtain the process group ID of the session for which the terminal specified by fildes is the controlling terminal.

### RETURN VALUE

Upon successful completion, tcgetsid() shall return the process group ID of the session associated with the terminal. Otherwise, a value of -1 shall be returned and errno set to indicate the error.

### ERRORS

The tcgetsid() function shall fail if:

EBADF The fildes argument is not a valid file descriptor.

ENOTTY The calling process does not have a controlling terminal, or the file is not the controlling terminal.

The following sections are informative.

#### EXAMPLES

None.

#### APPLICATION USAGE

None.

#### RATIONALE

None.

#### FUTURE DIRECTIONS

None.

#### SEE ALSO

The Base Definitions volume of POSIX.1?2017, <termios.h>

#### COPYRIGHT

Portions of this text are reprinted and reproduced in electronic form from IEEE Std 1003.1-2017, Standard for Information Technology -- Portable Operating System Interface (POSIX), The Open Group Base Specifications Issue 7, 2018 Edition, Copyright (C) 2018 by the Institute of Electrical and Electronics Engineers, Inc and The Open Group. In the event of any discrepancy between this version and the original IEEE and The Open Group Standard, the original IEEE and The Open Group Standard is the referee document. The original Standard can be obtained online at <http://www.opengroup.org/unix/online.html> .

Any typographical or formatting errors that appear in this page are most likely to have been introduced during the conversion of the source files to man page format. To report such errors, see [https://www.kernel.org/doc/man-pages/reporting\\_bugs.html](https://www.kernel.org/doc/man-pages/reporting_bugs.html) .

IEEE/The Open Group

2017

TCGETSID(3P)