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

***\$ man tcsetpgrp.3p***

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

tcsetpgrp ? set the foreground process group ID

### SYNOPSIS

```
#include <unistd.h>

int tcsetpgrp(int fildes, pid_t pgid_id);
```

### DESCRIPTION

If the process has a controlling terminal, tcsetpgrp() shall set the foreground process group ID associated with the terminal to pgid\_id. The application shall ensure that the file associated with fildes is the controlling terminal of the calling process and the controlling terminal is currently associated with the session of the calling process. The application shall ensure that the value of pgid\_id matches a process group ID of a process in the same session as the calling process.

Attempts to use tcsetpgrp() from a process which is a member of a background process group on a fildes associated with its controlling terminal shall cause the process group to be sent a SIGTTOU signal. If the

calling thread is blocking SIGTTOU signals or the process is ignoring SIGTTOU signals, the process shall be allowed to perform the operation, and no signal is sent.

## RETURN VALUE

Upon successful completion, 0 shall be returned. Otherwise, -1 shall be returned and `errno` set to indicate the error.

## ERRORS

The `tcsetpgrp()` function shall fail if:

**EBADF** The `fdes` argument is not a valid file descriptor.

**EINVAL** This implementation does not support the value in the `pgid_id` argument.

**EIO** The process group of the writing process is orphaned, the calling thread is not blocking SIGTTOU, and the process is not ignoring SIGTTOU.

**ENOTTY** The calling process does not have a controlling terminal, or the file is not the controlling terminal, or the controlling terminal is no longer associated with the session of the calling process.

**EPERM** The value of `pgid_id` is a value supported by the implementation, but does not match the process group ID of a process in the same session as the calling process.

The following sections are informative.

## EXAMPLES

None.

## APPLICATION USAGE

None.

## RATIONALE

None.

## FUTURE DIRECTIONS

None.

## SEE ALSO

`tcgetpgrp()`

The Base Definitions volume of POSIX.1?2017, `<sys_types.h>`, `<unistd.h>`

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2017

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