

# getpgid - Man Page

*get the process group ID for a process*

## 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.

## Synopsis

```
#include <unistd.h>
```

```
pid_t getpgid(pid_t pid);
```

## Description

The *getpgid()* function shall return the process group ID of the process whose process ID is equal to *pid*. If *pid* is equal to 0, *getpgid()* shall return the process group ID of the calling process.

## Return Value

Upon successful completion, *getpgid()* shall return a process group ID. Otherwise, it shall return (**pid\_t**)-1 and set *errno* to indicate the error.

## Errors

The *getpgid()* function shall fail if:

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session as the calling process, and the implementation does not allow access to the process group ID of that process from the calling process.

## ESRCH

There is no process with a process ID equal to *pid*.

The *getpgid()* function may fail if:

## EINVAL

The value of the *pid* argument is invalid.

*The following sections are informative.*

## Examples

None.

## Application Usage

None.

## Rationale

None.

## Future Directions

None.

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`exec`, `fork()`, `getpgrp()`, `getpid()`, `getsid()`, `setpgid()`, `setsid()`

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

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## Referenced By

`getpgrp(3p)`, `getppid(3p)`, `getsid(3p)`, `killpg(3p)`, `unistd.h(0p)`.

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