

# getsid - Man Page

*get the process group ID of a session leader*

## 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 getsid(pid_t pid);
```

## Description

The *getsid()* function shall obtain the process group ID of the process that is the session leader of the process specified by *pid*. If *pid* is `(pid_t)0`, it specifies the calling process.

## Return Value

Upon successful completion, *getsid()* shall return the process group ID of the session leader of the specified process. Otherwise, it shall return `-1` and set *errno* to indicate the error.

## Errors

The *getsid()* function shall fail if:

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

## ESRCH

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

*The following sections are informative.*

## Examples

None.

## Application Usage

None.

## Rationale

None.

## Future Directions

None.

## See Also

`exec`, `fork()`, `getpid()`, `getpgid()`, `setpgid()`, `setsid()`

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

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## Referenced By

`getpgid(3p)`, `setpgrp(3p)`, `setsid(3p)`, `unistd.h(0p)`.

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