



Linux Ubuntu 26.04 Manual Pages on command 'getsid.2'

\$ man getsid.2

getsid(2) System Calls Manual getsid(2)

NAME

getsid - get session ID

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

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

```
pid_t getsid(pid_t pid);
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

```
getsid():
```

```
    _XOPEN_SOURCE >= 500
```

```
    || /* Since glibc 2.12: */ _POSIX_C_SOURCE >= 200809L
```

DESCRIPTION

getsid() returns the session ID of the process with process ID pid. If pid is 0, getsid()

returns the session ID of the calling process.

RETURN VALUE

On success, a session ID is returned. On error, (pid_t) -1 is returned, and errno is set to indicate the error.

ERRORS

EPERM A process with process ID pid exists, but it is not in the same session as the calling process, and the implementation considers this an error.

ESRCH No process with process ID pid was found.

VERSIONS

Linux does not return EPERM.

STANDARDS

POSIX.1-2024.

HISTORY

SVr4, SUSv1, Linux 2.0, POSIX.1-2001 XSI, POSIX.1-2008.

NOTES

See [credentials\(7\)](#) for a description of sessions and session IDs.

SEE ALSO

[getpgid\(2\)](#), [setsid\(2\)](#), [credentials\(7\)](#)

Linux man-pages 6.17

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[getsid\(2\)](#)