



Linux Ubuntu 26.04 Manual Pages on command 'killpg.3'

\$ man killpg.3

killpg(3) Library Functions Manual killpg(3)

NAME

killpg - send signal to a process group

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <signal.h>

int killpg(int pgrp, int sig);
```

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

```
killpg():

_XOPEN_SOURCE >= 500

|| /* Since glibc 2.19: */ _DEFAULT_SOURCE

|| /* glibc <= 2.19: */ _BSD_SOURCE
```

DESCRIPTION

killpg() sends the signal sig to the process group pgrp. See signal(7) for a list of signals.

If pgrp is 0, killpg() sends the signal to the calling process's process group. (POSIX says: if pgrp is less than or equal to 1, the behavior is undefined.)

For the permissions required to send a signal to another process, see kill(2).

RETURN VALUE

On success, zero is returned. On error, -1 is returned, and errno is set to indicate the error.

ERRORS

EINVAL sig is not a valid signal number.

EPERM The process does not have permission to send the signal to any of the target processes. For the required permissions, see kill(2).

ESRCH No process can be found in the process group specified by pgrp.

ESRCH The process group was given as 0 but the sending process does not have a process group.

VERSIONS

There are various differences between the permission checking in BSD-type systems and System V-type systems. See the POSIX rationale for kill(3p). A difference not mentioned by POSIX concerns the return value EPERM: BSD documents that no signal is sent and EPERM returned when the permission check failed for at least one target process, while POSIX documents EPERM only when the permission check failed for all target processes.

C library/kernel differences

On Linux, killpg() is implemented as a library function that makes the call kill(-pgrp, sig).

STANDARDS

POSIX.1-2008.

HISTORY

POSIX.1-2001, SVr4, 4.4BSD (first appeared in 4BSD).

SEE ALSO

getpgrp(2), kill(2), signal(2), capabilities(7), credentials(7)

Linux man-pages 6.17

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killpg(3)