



### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'killpg.3'***

#### ***\$ man killpg.3***

KILLPG(3)                      Linux Programmer's Manual                      KILLPG(3)

#### NAME

killpg - send signal to a process group

#### 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 versions <= 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 appropriately.

## 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.

## CONFORMING TO

POSIX.1-2001, POSIX.1-2008, SVr4, 4.4BSD (`killpg()` first appeared in 4BSD).

## NOTES

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)`.

## SEE ALSO

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

## COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.

