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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'killpg.3p' command

\$ man killpg.3p

KILLPG(3P) POSIX Programmer's Manual KILLPG(3P)

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.

NAME

killpg ? send a signal to a process group

SYNOPSIS

```
#include <signal.h>

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

DESCRIPTION

The killpg() function shall send the signal specified by sig to the process group specified by pgrp.

If pgrp is greater than 1, killpg(pgrp, sig) shall be equivalent to kill(-pgrp, sig). If pgrp is less than or equal to 1, the behavior of killpg() is undefined.

RETURN VALUE

Refer to kill().

ERRORS

Refer to kill().

The following sections are informative.

EXAMPLES

Sending a Signal to All Other Members of a Process Group

The following example shows how the calling process could send a signal to all other members of its process group. To prevent itself from receiving the signal it first makes itself immune to the signal by ignoring it.

```
#include <signal.h>
#include <unistd.h>
...
if (signal(SIGUSR1, SIG_IGN) == SIG_ERR)
    /* Handle error */;
if (killpg(getpgrp(), SIGUSR1) == -1)
    /* Handle error */;
```

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

`getpgid()`, `getpid()`, `kill()`, `raise()`

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

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