



Rocky Enterprise Linux 9.2 Manual Pages on command 'psignal.3'

\$ man psignal.3

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

NAME

psignal, psiginfo - print signal description

SYNOPSIS

```
#include <signal.h>
```

```
void psignal(int sig, const char *s);
```

```
void psiginfo(const siginfo_t *pinfo, const char *s);
```

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

psignal():

Since glibc 2.19:

```
_DEFAULT_SOURCE
```

Glibc 2.19 and earlier:

```
_BSD_SOURCE || _SVID_SOURCE
```

psiginfo(): `_POSIX_C_SOURCE` \geq 200809L

DESCRIPTION

The `psignal()` function displays a message on `stderr` consisting of the string `s`, a colon, a space, a string describing the signal number `sig`, and a trailing newline. If the string `s` is `NULL` or empty, the colon

and space are omitted. If sig is invalid, the message displayed will indicate an unknown signal.

The `psiginfo()` function is like `psignal()`, except that it displays information about the signal described by `pinfo`, which should point to a valid `siginfo_t` structure. As well as the signal description, `psiginfo()` displays information about the origin of the signal, and other information relevant to the signal (e.g., the relevant memory address for hardware-generated signals, the child process ID for `SIGCHLD`, and the user ID and process ID of the sender, for signals set using `kill(2)` or `sigqueue(3)`).

RETURN VALUE

The `psignal()` and `psiginfo()` functions return no value.

VERSIONS

The `psiginfo()` function was added to glibc in version 2.10.

ATTRIBUTES

For an explanation of the terms used in this section, see attributes(7).

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?Interface ? Attribute ? Value ?

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?`psignal()`, `psiginfo()` ? Thread safety ? MT-Safe locale ?

??

CONFORMING TO

POSIX.1-2008, 4.3BSD.

BUGS

In glibc versions up to 2.12, `psiginfo()` had the following bugs:

- * In some circumstances, a trailing newline is not printed.
- * Additional details are not displayed for real-time signals.

SEE ALSO

`sigaction(2)`, `perror(3)`, `strsignal(3)`, `signal(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/>.

GNU

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