



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

C:\>man psignal.3

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

NAME

psignal, psiginfo - print signal message

SYNOPSIS

```
#include <signal.h>

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

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

extern const char *const sys_siglist[];
```

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 >= 200809L

sys_siglist:

Since glibc 2.19:

 _DEFAULT_SOURCE

Glibc 2.19 and earlier:

 _BSD_SOURCE

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 in? valid, 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)).

The array sys_siglist holds the signal description strings indexed by signal number.

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 5.05 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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