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

**\$ man strsignal.3**

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

NAME

strsignal, sigdescr\_np, sigdescr\_np, sys\_siglist - return string describing signal

SYNOPSIS

```
#include <string.h>

char *strsignal(int sig);

char *sigdescr_np(int sig);

char *sigabbrev_np(int sig);

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

Feature Test Macro Requirements for glibc (see feature\_test\_macros(7)):

sigabbrev\_np(), sigdescr\_np():

  \_GNU\_SOURCE

strsignal():

  From glibc 2.10 to 2.31:

    \_POSIX\_C\_SOURCE >= 200809L

  Before glibc 2.10:

    \_GNU\_SOURCE

sys\_siglist:

  Since glibc 2.19:

    \_DEFAULT\_SOURCE

  Glibc 2.19 and earlier:

    \_BSD\_SOURCE

DESCRIPTION

The `strsignal()` function returns a string describing the signal number passed in the argument `sig`. The string can be used only until the next call to `strsignal()`. The string returned by `strsignal()` is localized according to the `LC_MESSAGES` category in the current locale.

The `sigdescr_np()` function returns a string describing the signal number passed in the argument `sig`. Unlike `strsignal()` this string is not influenced by the current locale.

The `sigabbrev_np()` function returns the abbreviated name of the signal, `sig`. For example, given the value `SIGINT`, it returns the string `"INT"`.

The (deprecated) array `sys_siglist` holds the signal description strings indexed by signal number. The `strsignal()` or the `sigdescr_np()` function should be used instead of this array; see also `VERSIONS`.

## RETURN VALUE

The `strsignal()` function returns the appropriate description string, or an unknown signal message if the signal number is invalid. On some systems (but not on Linux), `NULL` may instead be returned for an invalid signal number.

The `sigdescr_np()` and `sigdabbrev_np()` functions return the appropriate description string. The returned string is statically allocated and valid for the lifetime of the program.

These functions return `NULL` for an invalid signal number.

## VERSIONS

`sigdescr_np()` and `sigdabbrev_np()` first appeared in glibc 2.32.

Starting with version 2.32, the `sys_siglist` symbol is no longer exported by glibc.

## 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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?strsignal()	?	Thread safety	? MT-Unsafe race:strsignal locale	?
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?sigdescr_np(),	sigab?	?	Thread safety	? MT-Safe	?
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?brev_np()	?	?	?	?
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## CONFORMING TO

`strsignal()`: POSIX.1-2008. Present on Solaris and the BSDs.

sigdescr\_np() and sigdabbrev\_np() are GNU extensions.

sys\_siglist is nonstandard, but present on many other systems.

## NOTES

sigdescr\_np() and sigdabbrev\_np() are thread-safe and async-signal-safe.

## SEE ALSO

psignal(3), strerror(3)

## 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

2020-11-01

STRSIGNAL(3)