



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

**C:\>man gsignal.3**

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

### NAME

gsignal, ssignal - software signal facility

### SYNOPSIS

```
#include <signal.h>

typedef void (*sighandler_t)(int);

int gsignal(int signum);

sighandler_t ssignal(int signum, sighandler_t action);
```

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

gsignal(), ssignal():

Since glibc 2.19:

`_DEFAULT_SOURCE`

Glibc 2.19 and earlier:

`_SVID_SOURCE`

### DESCRIPTION

Don't use these functions under Linux. Due to a historical mistake, under Linux these functions are aliases for `raise(3)` and `signal(2)`, respectively.

Elsewhere, on System V-like systems, these functions implement software signaling, entirely independent of the classical `signal(2)` and `kill(2)` functions. The function `ssignal()` defines the action to take when the software signal with number `signum` is raised using the function `gsignal()`, and returns the previous such action or `SIG_DFL`. The function `gsignal()` does the following: if no action (or the action

SIG\_DFL) was specified for signum, then it does nothing and returns 0. If the action SIG\_IGN was specified for signum, then it does nothing and returns 1. Otherwise, it resets the action to SIG\_DFL and calls the action function with argument signum, and returns the value returned by that function. The range of possible values signum varies (often 1-15 or 1-17).

#### 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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?gsignal() ? Thread safety ? MT-Safe ?

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#### CONFORMING TO

These functions are available under AIX, DG/UX, HP-UX, SCO, Solaris, Tru64. They are called obsolete under most of these systems, and are broken under Linux libc and glibc. Some systems also have gsignal\_r() and ssignal\_r().

#### SEE ALSO

kill(2), signal(2), raise(3)

#### 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/>.