



Linux Ubuntu 26.04 Manual Pages on command 'sysv_signal.3'

\$ man sysv_signal.3

sysv_signal(3) Library Functions Manual sysv_signal(3)

NAME

sysv_signal - signal handling with System V semantics

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#define _GNU_SOURCE      /* See feature_test_macros(7) */

#include <signal.h>

typedef typedef(void (int)) *sighandler_t;

sighandler_t sysv_signal(int signum, sighandler_t handler);
```

DESCRIPTION

The `sysv_signal()` function takes the same arguments, and performs the same task, as `sig?`
`nal(2)`.

However `sysv_signal()` provides the System V unreliable signal semantics, that is: a) the disposition of the signal is reset to the default when the handler is invoked; b) delivery of further instances of the signal is not blocked while the signal handler is executing; and c) if the handler interrupts (certain) blocking system calls, then the system call is not automatically restarted.

RETURN VALUE

The `sysv_signal()` function returns the previous value of the signal handler, or `SIG_ERR` on error.

ERRORS

As for `signal(2)`.

ATTRIBUTES

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

[illegible]

? Interface	? Attribute	? Value	?
-------------	-------------	---------	---

[illegible]

? sysv_signal()	? Thread safety ? MT-Safe ?
-----------------	-----------------------------

[illegible]

VERSIONS

Use of `sysv_signal()` should be avoided; use `sigaction(2)` instead.

On older Linux systems, `sysv_signal()` and `signal(2)` were equivalent. But on newer systems, `signal(2)` provides reliable signal semantics; see `signal(2)` for details.

The use of `sighandler_t` is a GNU extension; this type is defined only if the `_GNU_SOURCE` feature test macro is defined.

STANDARDS

None.

SEE ALSO

sigaction(2), signal(2), bsd_signal(3), signal(7)

Linux man-pages 6.17

2026-02-08

sysv_signal(3)