



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

\$ man bsd_signal.3

bsd_signal(3) Library Functions Manual bsd_signal(3)

NAME

bsd_signal - signal handling with BSD semantics

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <signal.h>

typedef typedef(void (int)) *sighandler_t;

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

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

bsd_signal():

Since glibc 2.26:

```
_XOPEN_SOURCE >= 500
&& ! (_POSIX_C_SOURCE >= 200809L)
```

glibc 2.25 and earlier:

```
_XOPEN_SOURCE
```

DESCRIPTION

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

The difference between the two is that bsd_signal() is guaranteed to provide reliable signal semantics, that is: a) the disposition of the signal is not reset to the default when the handler is invoked; b) delivery of further instances of the signal is blocked while the sig?nal handler is executing; and c) if the handler interrupts a blocking system call, then the

