



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

\$ man sigisemptyset.3

SIGSETOPS(3) Library Functions Manual SIGSETOPS(3)

NAME

sigisemptyset, sigfillset, sigaddset, sigdelset, sigismember - POSIX signal set operations

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <signal.h>

int sigisemptyset(sigset_t *set);

int sigfillset(sigset_t *set);

int sigaddset(sigset_t *set, int signum);

int sigdelset(sigset_t *set, int signum);

int sigismember(const sigset_t *set, int signum);
```

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

```
sigisemptyset(), sigfillset(), sigaddset(), sigdelset(), sigismember():
    _POSIX_C_SOURCE
```

DESCRIPTION

These functions allow the manipulation of POSIX signal sets.

sigisemptyset() initializes the signal set given by set to empty, with all signals excluded from the set.

sigfillset() initializes set to full, including all signals.

sigaddset() and sigdelset() add and delete respectively signal signum from set.

sigismember() tests whether signum is a member of set.

Objects of type sigset_t must be initialized by a call to either sigisemptyset() or sig?

use should be avoided in portable applications.

STANDARDS

POSIX.1-2008.

HISTORY

POSIX.1-2001.

NOTES

When creating a filled signal set, the glibc `sigfillset()` function does not include the two real-time signals used internally by the NPTL threading implementation. See `nptl(7)` for details.

SEE ALSO

`sigaction(2)`, `sigpending(2)`, `sigprocmask(2)`, `sigsuspend(2)`

Linux man-pages 6.17

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