Full credit is given to the above companies including the OS that this PDF file was generated!

Red Hat Enterprise Linux Release 9.2 Manual Pages on 'siginterrupt.3p' command

$ man siginterrupt.3p

SIGINTERRUPT(3P) POSIX Programmer's Manual SIGINTERRUPT(3P)

PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

NAME

siginterrupt ? allow signals to interrupt functions

SYNOPSIS

```
#include <signal.h>
int siginterrupt(int sig, int flag);
```

DESCRIPTION

The siginterrupt() function shall change the restart behavior when a function is interrupted by the specified signal. The function siginter? rupt(sig, flag) has an effect as if implemented as:

```
int siginterrupt(int sig, int flag) {
    int ret;
    struct sigaction act;
    (void) sigaction(sig, NULL, &act);
    if (flag)
        act.sa_flags &= ~SA_RESTART;
    else
        act.sa_flags |= SA_RESTART;
```

```
    ret = sigaction(sig, &act, NULL);
    return ret;
}
```

RETURN VALUE

Upon successful completion, siginterrupt() shall return 0; otherwise, -1 shall be returned and errno set to indicate the error.

ERRORS

The siginterrupt() function shall fail if:

EINVAL The sig argument is not a valid signal number.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

The siginterrupt() function supports programs written to historical system interfaces. Applications should use the sigaction() with the SA_RESTART flag instead of the obsolescent siginterrupt() function.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

Section 2.4, Signal Concepts, sigaction()

The Base Definitions volume of POSIX.1?2017, <signal.h>

Any typographical or formatting errors that appear in this page are most likely to have been introduced during the conversion of the source files to man page format. To report such errors, see https://www.ker?nel.org/doc/man-pages/reporting_bugs.html .