

**NAME**

**closefrom**, **close\_range** - delete open file descriptors

**LIBRARY**

Standard C Library (libc, -lc)

**SYNOPSIS**

**#include <unistd.h>**

*void*

**closefrom**(*int lowfd*);

*int*

**close\_range**(*u\_int lowfd*, *u\_int highfd*, *int flags*);

**DESCRIPTION**

The **closefrom**() system call deletes all open file descriptors greater than or equal to *lowfd* from the per-process object reference table. Any errors encountered while closing file descriptors are ignored.

The **close\_range**() system call deletes all open file descriptors between *lowfd* and *highfd* inclusive, clamped to the range of open file descriptors. Any errors encountered while closing file descriptors are ignored. Supported *flags*:

**CLOSE\_RANGE\_CLOEXEC** Set the close-on-exec flag on descriptors in the range instead of closing them.

**RETURN VALUES**

Upon successful completion, **close\_range**() returns a value of 0. Otherwise, a value of -1 is returned and the global variable *errno* is set to indicate the error.

**ERRORS**

The **close\_range**() system call will fail if:

[EINVAL]           The *highfd* argument is lower than the *lowfd* argument.

[EINVAL]           An invalid flag was set.

**SEE ALSO**

close(2)

**HISTORY**

The **closefrom()** function first appeared in FreeBSD 8.0.