

NAME

swab – swap adjacent bytes

LIBRARY

Standard C library (*libc*, *-lc*)

SYNOPSIS

```
#define _XOPEN_SOURCE    /* See feature_test_macros(7) */
#include <unistd.h>

void swab(const void from[restrict .n], void to[restrict .n],
          ssize_t n);
```

DESCRIPTION

The **swab()** function copies *n* bytes from the array pointed to by *from* to the array pointed to by *to*, exchanging adjacent even and odd bytes. This function is used to exchange data between machines that have different low/high byte ordering.

This function does nothing when *n* is negative. When *n* is positive and odd, it handles *n*−1 bytes as above, and does something unspecified with the last byte. (In other words, *n* should be even.)

RETURN VALUE

The **swab()** function returns no value.

ATTRIBUTES

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

Interface	Attribute	Value
swab()	Thread safety	MT-Safe

STANDARDS

POSIX.1-2001, POSIX.1-2008, SVr4, 4.3BSD.

SEE ALSO

bstring(3)