

**NAME**

**smtx\_lock** - acquire a spinlock

**SYNOPSIS**

library "threads"

**#include** <threadse.h>

*int*

**smtx\_lock**(*smtx\_t* \*s);

**DESCRIPTION**

The function **smtx\_lock**() will acquire a spinlock *s*. If the spinlock is already acquired it will loop until it can acquire the spinlock.

If the current thread already has a lock on the given spinlock the behavior is undefined.

**RETURN VALUES**

Upon success **smtx\_lock**() will return *thrd\_success*. In case of error *thrd\_error* will be returned.

**SEE ALSO**

smtx\_init(3) smtx\_destroy(3) smtx\_unlock(3) smtx\_trylock(3)

**HISTORY**

The **smtx\_lock**() function first appeared in the Adelsbach Enhanced Threading Library.

**AUTHORS**

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