

**NAME**

**rwmtx\_trywrlock** - attempt to acquire a write lock

**SYNOPSIS**

library "threads"

**#include** <threadse.h>

*int*

**rwmtx\_trywrlock**(*rwmtx\_t* \**rw*);

**DESCRIPTION**

The function **rwmtx\_trywrlock**() will attempt to acquire a write lock on the given read/write lock *rw*. If a write lock cannot be acquired the function will return a respective return code.

**RETURN VALUES**

Upon success **rwmtx\_trywrlock**() will return *thrd\_success* if a write lock has been acquired. If no write lock can be acquired at this time *thrd\_busy* will be returned. In case of error *thrd\_error* will be returned.

**SEE ALSO**

**rwmtx\_init**(3) **rwmtx\_destroy**(3) **rwmtx\_rdlock**(3) **rwmtx\_wrlock**(3) **rwmtx\_tryrdlock**(3)  
**rwmtx\_timedrdlock**(3) **rwmtx\_timedwrlock**(3) **rwmtx\_unlock**(3)

**HISTORY**

The **rwmtx\_trywrlock**() function first appeared in the Adelsbach Enhanced Threading Library.

**AUTHORS**

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