



Linux Ubuntu 26.04 Manual Pages on command 'pthread_mutexattr_settype.3'

\$ man pthread_mutexattr_settype.3

pthread_mutexattr_init(3) Library Functions Manual pthread_mutexattr_init(3)

NAME

pthread_mutexattr_init, pthread_mutexattr_destroy - initialize and destroy a mutex attri-
butes object

LIBRARY

POSIX threads library (libpthread, -lpthread)

SYNOPSIS

```
#include <pthread.h>

int pthread_mutexattr_init(pthread_mutexattr_t *attr);

int pthread_mutexattr_destroy(pthread_mutexattr_t *attr);
```

DESCRIPTION

The pthread_mutexattr_init() function initializes the mutex attributes object pointed to by attr with default values for all attributes defined by the implementation.

The results of initializing an already initialized mutex attributes object are undefined.

The pthread_mutexattr_destroy() function destroys a mutex attribute object (making it uninitialized). Once a mutex attributes object has been destroyed, it can be reinitialized with pthread_mutexattr_init().

The results of destroying an uninitialized mutex attributes object are undefined.

RETURN VALUE

On success, these functions return 0. On error, they return a positive error number.

STANDARDS

POSIX.1-2008.

HISTORY

POSIX.1-2001.

NOTES

Subsequent changes to a mutex attributes object do not affect mutex that have already been initialized using that object.

SEE ALSO

`pthread_mutex_init(3)`, `pthread_mutexattr_getpshared(3)`, `pthread_mutexattr_getrobust(3)`,
`threads(7)`

Linux man-pages 6.17

2026-02-08

`pthread_mutexattr_init(3)`