

ost::SemaphoreLock(3)

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NAME

ost::SemaphoreLock –

The **SemaphoreLock** class is used to protect a section of code through a semaphore so that only x instances of the member function may execute concurrently.

SYNOPSIS

```
#include <thread.h>
```

Public Member Functions

SemaphoreLock (Semaphore &_sem)

Wait for the semaphore.

~SemaphoreLock ()

Post the semaphore automatically.

Detailed Description

The **SemaphoreLock** class is used to protect a section of code through a semaphore so that only x instances of the member function may execute concurrently.

A common use is

```
void func_to_protect() { SemaphoreLock lock(semaphore); ... operation ... }
```

NOTE: do not declare variable as 'SemaohoreLock (semaphore)', the mutex will be released at statement end.

Author:

David Sugar <dyfet AT gnu DOT org> **Semaphore** automatic locker for protected access.

Constructor & Destructor Documentation

ost::SemaphoreLock::SemaphoreLock (Semaphore &_sem) [inline]

Wait for the semaphore.

ost::SemaphoreLock::~SemaphoreLock () [inline]

Post the semaphore automatically.

Author

Generated automatically by Doxygen for GNU CommonC++ from the source code.

