
Subject: Re: Changeing to recursive critical sections... (?)

Posted by [masu](#) on Sat, 10 Mar 2007 20:20:13 GMT

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As expected, it is also defined on FreeBSD in pthread header:

```
/*
 * Mutex types (Single UNIX Specification, Version 2, 1997).
 *
 * Note that a mutex attribute with one of the following types:
 *
 *   PTHREAD_MUTEX_NORMAL
 *   PTHREAD_MUTEX_RECURSIVE
 *   MUTEX_TYPE_FAST (deprecated)
 *   MUTEX_TYPE_COUNTING_FAST (deprecated)
 *
 * will deviate from POSIX specified semantics.
 */
enum pthread_mutex_t {
    PTHREAD_MUTEX_ERRORCHECK    = 1, /* Default POSIX mutex */
    PTHREAD_MUTEX_RECURSIVE     = 2, /* Recursive mutex */
    PTHREAD_MUTEX_NORMAL        = 3, /* No error checking */
    MUTEX_TYPE_MAX
};

#define PTHREAD_MUTEX_DEFAULT    PTHREAD_MUTEX_ERRORCHECK
#define MUTEX_TYPE_FAST          PTHREAD_MUTEX_NORMAL
#define MUTEX_TYPE_COUNTING_FAST PTHREAD_MUTEX_RECURSIVE
```

Matthias
