

Mutexes

Semaphores

Kernel Mode

Generic kernel mutexes

`mutex_lock ()`
`mutex_unlock ()`



Kernel-level POSIX thread mutexes

`u_pthread_mutex_lock ()`
`u_pthread_mutex_unlock ()`



Generic kernel semaphores

`wait_semaphore ()`
`signal_semaphore ()`

User Mode

User-level POSIX thread mutexes

`pthread_mutex_lock ()`
`pthread_mutex_unlock ()`