

```
1: /*
2:    libxbee - a C library to aid the use of Digi's Series 1 XBee modules
3:             running in API mode (AP=2).
4:
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18:   along with this program. If not, see <http://www.gnu.org/licenses/>.
19: */
20:
21: /* this file contains code that is used by Linux ONLY */
22: #ifndef __GNUC__
23: #error "This file should only be used on a Linux system"
24: #endif
25:
26: /* ##### */
27: /* ### Linux Code ##### */
28: /* ##### */
29:
30: #define xbee_thread_create(a,b,c) pthread_create(&(a),NULL,(void *(*)(void *))(b),(void *) (c))
31: #define xbee_thread_kill(a,b) pthread_kill((a),(b))
32:
33: #define xbee_mutex_init(a) pthread_mutex_init(&(a),NULL)
34: #define xbee_mutex_destroy(a) pthread_mutex_destroy(&(a))
35: #define xbee_mutex_lock(a) pthread_mutex_lock(&(a))
36: #define xbee_mutex_trylock(a) pthread_mutex_trylock(&(a))
37: #define xbee_mutex_unlock(a) pthread_mutex_unlock(&(a))
38:
39: #define xbee_sem_init(a) sem_init(&(a),0,0)
40: #define xbee_sem_destroy(a) sem_destroy(&(a))
41: #define xbee_sem_wait(a) sem_wait(&(a))
42: #define xbee_sem_post(a) sem_post(&(a))
43:
44: #define xbee_cond_init(a) pthread_cond_init(&(a),NULL)
45: #define xbee_cond_destroy(a) pthread_cond_destroy(&(a))
46: #define xbee_cond_wait(a,b) pthread_cond_wait(&(a),&(b))
47: #define xbee_cond_signal(a) pthread_cond_signal(&(a))
48: #define xbee_cond_broadcast(a) pthread_cond_broadcast(&(a))
49:
50: #define xbee_write(a,b) fwrite((a),1,(b),xbee.tty)
51: #define xbee_read(a,b) fread((a),1,(b),xbee.tty)
52: #define xbee_close(a) fclose(a)
```