NOTE: The MRAPI API user should not attempt to examine the contents of this datatype as this can result in non-portable application code.

3.12.6 mrapi_key_t

The `mrapi_key_t` type is used to support recursive locking and unlocking for mutexes (see section 4.3.1). The key is passed to the lock call and the system will fill in a unique key for that lock. The key is passed back on the unlock call.

3.12.7 mrapi_sem_hndl_t

The `mrapi_sem_hndl_t` type is used to lock and unlock a semaphore. MRAPI routines for creating and using the `mrapi_sem_hndl_t` type are covered in section 4.3.2. The `mrapi_sem_hndl_t` is an opaque datatype whose exact definition is implementation defined.

NOTE: The MRAPI API user should not attempt to examine the contents of this datatype as this can result in non-portable application code.

3.12.8 mrapi_rwl_hndl_t

The `mrapi_rwl_hndl_t` type is used to lock and unlock a reader/writer lock. MRAPI routines for creating and using the `mrapi_rwl_hndl_t` type are covered in section 4.3.3. The `mrapi_rwl_hndl_t` is an opaque datatype whose exact definition is implementation defined.

NOTE: The MRAPI API user should not attempt to examine the contents of this datatype as this can result in non-portable application code.

3.12.9 mrapi_rwl_mode_t

The `mrapi_rwl_mode_t` type is used to specify the type of reader/writer lock you are attempting to lock. The values are `MRAPI_READER` (shared) or `MRAPI_WRITER` (exclusive). See section 4.3.3 for the API calls that require this parameter.

3.12.10 mrapi_shmem_hndl_t

The `mrapi_shmem_hndl_t` type is used to access shared memory. MRAPI routines for creating and using the `mrapi_shmem_hndl_t` type are covered in section 4.4.1. The `mrapi_shmem_hndl_t` is an opaque datatype whose exact definition is implementation defined.

NOTE: The MRAPI API user should not attempt to examine the contents of this datatype as this can result in non-portable application code.

3.12.11 mrapi_rmem_hndl_t

The `mrapi_rmem_hndl_t` type is used to access remote memory. MRAPI routines for creating and using the `mrapi_rmem_hndl_t` type are covered in section 4.4.2. The `mrapi_rmem_hndl_t` is an opaque datatype whose exact definition is implementation defined.

NOTE: The MRAPI API user should not attempt to examine the contents of this datatype as this can result in non-portable application code.