

#### 4.3.2.5 MRAPI\_SEM\_GET

##### NAME

mrapi\_sem\_get

##### SYNOPSIS

```
mrapi_sem_hdl_t mrapi_sem_get(
    MRAPI_IN mrapi_sem_id_t sem_id,
    MRAPI_OUT mrapi_status_t* status
);
```

##### DESCRIPTION

Given a `sem_id`, this function returns the MRAPI handle for referencing that semaphore.

##### RETURN VALUE

On success the semaphore handle is returned and `*status` is set to `MRAPI_SUCCESS`. On error, `*status` is set to the appropriate error defined below. When extended error checking is enabled, if this function is called on a semaphore that no longer exists, an `MRAPI_ERR_SEM_DELETED` error code will be returned. When extended error checking is disabled, the `MRAPI_ERR_SEM_INVALID` error will be returned.

##### ERRORS

<code>MRAPI_ERR_SEM_ID_INVALID</code>	The <code>sem_id</code> parameter does not refer to a valid semaphore or was called with <code>sem_id</code> set to <code>MRAPI_SEM_ID_ANY</code> .
<code>MRAPI_ERR_NODE_NOTINIT</code>	The calling node is not initialized.
<code>MRAPI_ERR_DOMAIN_NOTSHARED</code>	This resource can not be shared by this domain.
<code>MRAPI_ERR_SEM_DELETED</code>	If the semaphore has been deleted then if <code>MRAPI_ERROR_EXT</code> attribute is set, MRAPI will return <code>MRAPI_ERR_SEM_DELETED</code> otherwise MRAPI will just return <code>MRAPI_ERR_SEM_ID_INVALID</code> .

##### NOTE

##### SEE ALSO

See `mrapi_sem_set_attribute()`