

#### 4.3.1.6 MRAPI\_MUTEX\_DELETE

##### NAME

mrapi\_mutex\_delete

##### SYNOPSIS

```
void mrapi_mutex_delete(  
    MRAPI_IN mrapi_mutex_hdl_t mutex,  
    MRAPI_OUT mrapi_status_t* status  
);
```

##### DESCRIPTION

This function deletes the mutex. The mutex may only be deleted if it is unlocked. If the mutex attributes indicate extended error checking is enabled then all subsequent lock requests will be notified that the mutex was deleted. When extended error checking is enabled, if this function is called on a mutex that no longer exists, an `MRAPI_ERR_MUTEX_DELETED` error code will be returned. When extended error checking is disabled, the `MRAPI_ERR_MUTEX_INVALID` error will be returned.

##### RETURN VALUE

On success, `*status` is set to `MRAPI_SUCCESS`. On error, `*status` is set to the appropriate error defined below.

##### ERRORS

<code>MRAPI_ERR_MUTEX_INVALID</code>	Argument is not a valid mutex handle.
<code>MRAPI_ERR_MUTEX_LOCKED</code>	The mutex is locked and cannot be deleted.
<code>MRAPI_ERR_MUTEX_DELETED</code>	If the mutex has been deleted then if <code>MRAPI_ERROR_EXT</code> attribute is set, MRAPI will return <code>MRAPI_ERR_MUTEX_DELETED</code> otherwise MRAPI will just return <code>MRAPI_ERR_MUTEX_INVALID</code> .
<code>MRAPI_ERR_NODE_NOTINIT</code>	The calling node is not initialized.

##### NOTE

##### SEE ALSO