

4.3.2.6 MRAPI_SEM_DELETE

NAME

mrapi_sem_delete

SYNOPSIS

```
void mrapi_sem_delete(
    MRAPI_IN mrapi_sem_hdl_t sem,
    MRAPI_OUT mrapi_status_t* status
);
```

DESCRIPTION

This function deletes the semaphore. The semaphore will only be deleted if the semaphore is not locked. If the semaphore attributes indicate extended error checking is enabled then all subsequent lock requests will be notified that the semaphore was deleted.

RETURN VALUE

On success, *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

MRAPI_ERR_SEM_INVALID	Argument is not a valid semaphore handle.
MRAPI_ERR_SEM_DELETED	If the semaphore has been deleted then if MRAPI_ERROR_EXT attribute is set, MRAPI will return MRAPI_ERR_SEM_DELETED otherwise MRAPI will just return MRAPI_ERR_SEM_INVALID.
MRAPI_ERR_SEM_LOCKED	The semaphore is locked and cannot be deleted.
MRAPI_ERR_NODE_NOTINIT	The calling node is not initialized.

NOTE

SEE ALSO