

#### 4.4.2.13 MRAPI\_RMEM\_FLUSH

##### NAME

mrapi\_rmem\_flush

##### SYNOPSIS

```
void mrapi_rmem_flush(
    MRAPI_IN mrapi_rmem_hdl_t rmem,
    MRAPI_OUT mrapi_status_t* status
);
```

##### DESCRIPTION

This function flushes the remote memory. Support for this function is optional and on some systems this may not be supportable. However, if an implementation wants to support coherency back to main backing store then this is the way to do it. Note, that this is not an automatic synch back to other viewers of the remote data and they would need to also perform a synch, so it is 'application managed' coherency. If writes are synchronizing, then a flush will be a no-op.

##### RETURN VALUE

On success, \*status is set to MRAPI\_SUCCESS. On error, \*status is set to the appropriate error defined below.

##### ERRORS

|                            |   |
|----------------------------|---|
| MRAPI_ERR_NOT_SUPPORTED    | The flush call is not supported                       |
| MRAPI_ERR_RMEM_INVALID     | Argument is not a valid remote memory segment handle. |
| MRAPI_ERR_RMEM_NOTATTACHED | The caller is not attached to the remote memory.      |
| MRAPI_ERR_NODE_NOTINIT     | The calling node is not initialized.                  |

##### NOTE

##### SEE ALSO