**MRAPI API Specification V0.9.3**

**4.8.16 MRAPI\_ATOMIC\_SYNC (ABB Extension)**

**NAME**

mrapi\_atomic\_sync

**SYNOPSIS**

void mrapi\_atomic\_sync(

MRAPI\_OUT void\* sync, MRAPI\_OUT mrapi\_status\_t\* status

);

**DESCRIPTION**

mrapi\_atomic\_sync()performs a full memory barrier, flushing all memory reads and writes before returning. The operation is synchronized across real- time processes that are connected to the shared memory.

**RETURN VALUE**

None.

**ERRORS**

|  |  |
| --- | --- |
| MRAPI\_ERR\_NODE\_NOTINIT | The calling node is not initialized |
| MRAPI\_ERR\_ATOM\_OP\_FAILED | The local atomic operation failed |
|  |  |

**NOTE**

**SEE ALSO**