**MRAPI API Specification V0.9.3**

**4.8.5 MRAPI\_ATOMIC\_READ\_PTR (ABB Extension)**

**NAME**

mrapi\_atomic\_read\_ptr

**SYNOPSIS**

void mrapi\_atomic\_read\_ptr(

MRAPI\_OUT void\* sync, MRAPI\_IN uintptr\_t\* dest, MRAPI\_IN uintptr\_t\* value, MRAPI\_OUT mrapi\_status\_t\* status

);

**DESCRIPTION**

mrapi\_atomic\_read\_ptr()accesses pointer values. The operation is valid for memory locations within shared memory, where the synchronization can be across real-time processes. The pointer value at the destination address is returned. Returned status indicates if the operation succeeded.

**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**

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**SEE ALSO**