4.8.3 MRAPI_ATOMIC_HOLD (ABB Extension)

NAME

mrapi_atomic_hold

SYNOPSIS

```
mrapi_boolean_t  mrapi_atomic_hold(
  MRAPI_OUT mrapi_atomic_barrier_t* axb,
  MRAPI_IN mrapi_boolean_t hold, MRAPI_OUT
  mrapi_status_t* status
);
```

DESCRIPTION

`mrapi_atomic_hold()` sets whether barrier or exchange synchronization should persist across atomic operations, for example updating a complex structure before allowing read access by a remote process.

RETURN VALUE

The previous hold state for the barrier.

ERRORS

MRAPI_ERR_NODE_NOTINIT	The calling node is not initialized

NOTE

Atomic barriers only have effect on non-Windows platforms when the destination process is different than the process executing the atomic operation, making this feature non-portable unless atomic barriers were applied for all platforms.

SEE ALSO