

#### 4.3.3.3 MRAPI\_RWL\_SET\_ATTRIBUTE

##### NAME

mrapi\_rwl\_set\_attribute

##### SYNOPSIS

```
void mrapi_rwl_set_attribute(
    MRAPI_OUT mrapi_rwl_attributes_t* attributes,
    MRAPI_IN mrapi_uint_t attribute_num,
    MRAPI_IN void* attribute,
    MRAPI_IN size_t attribute_size,
    MRAPI_OUT mrapi_status_t* status
);
```

##### DESCRIPTION

This function is used to change default values of an `mrapi_rwl_attributes_t` data structure prior to calling `mrapi_rwl_create()`. Calls to this function have no effect on mutex attributes once the mutex has been created.

MRAPI pre-defined reader/writer lock attributes:

Attribute num:	Description:	Datatype:	Default:
MRAPI_ERROR_EXT	Indicates whether or not this reader/writer lock has extended error checking enabled.	mrapi_boolean_t	MRAPI_FALSE
MRAPI_DOMAIN_SHARED	Indicates whether or not the reader/writer lock is shareable across domains.	mrapi_boolean_t	MRAPI_TRUE

##### RETURN VALUE

On success `*status` is set to `MRAPI_SUCCESS`. On error, `*status` is set to the appropriate error defined below.

##### ERRORS

MRAPI_ERR_ATTR_READONLY	Attribute can not be modified.
MRAPI_ERR_PARAMETER	Invalid attribute parameter.
MRAPI_ERR_ATTR_NUM	Unknown attribute number
MRAPI_ERR_ATTR_SIZE	Incorrect attribute size
MRAPI_ERR_NODE_NOTINIT	The calling node is not intialized.

##### NOTE

##### SEE ALSO