

#### 4.3.1.3 MRAPI\_MUTEX\_SET\_ATTRIBUTE

##### NAME

mrapi\_mutex\_set\_attribute

##### SYNOPSIS

```
void mrapi_mutex_set_attribute (
    MRAPI_OUT mrapi_mutex_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_mutex_attributes_t` data structure prior to calling `mrapi_mutex_create()`. Calls to this function have no effect on mutex attributes once the mutex has been created.

MRAPI pre-defined mutex attributes:

Attribute num:	Description:	Datatype:	Default:
MRAPI_MUTEX_RECURSIVE	Indicates whether or not this is a recursive mutex.	mrapi_boolean_t	MRAPI_FALSE
MRAPI_ERROR_EXT	Indicates whether or not this mutex has extended error checking enabled.	mrapi_boolean_t	MRAPI_FALSE
MRAPI_DOMAIN_SHARED	Indicates whether or not the mutex 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 initialized.

##### NOTE

##### SEE ALSO