

4.3.1.4 MRAPI_MUTEX_GET_ATTRIBUTE

NAME

mrapi_mutex_get_attribute

SYNOPSIS

```
void mrapi_mutex_get_attribute (
    MRAPI_IN mrapi_mutex_hdl_t mutex,
    MRAPI_IN mrapi_uint_t attribute_num,
    MRAPI_OUT void* attribute,
    MRAPI_IN size_t attribute_size,
    MRAPI_OUT mrapi_status_t* status
);
```

DESCRIPTION

Returns the attribute that corresponds to the given `attribute_num` for this mutex. The attributes may be viewed but may not be changed (for this mutex).

RETURN VALUE

On success `*status` is set to `MRAPI_SUCCESS` and the attribute value is filled in. On error, `*status` is set to the appropriate error defined below and the attribute value is undefined. The attribute identified by the `attribute_num` is returned in the `void* attribute` parameter. When extended error checking is enabled, if this function is called on a mutex that no longer exists, an `MRAPI_ERR_MUTEX_DELETED` error code will be returned. When extended error checking is disabled, the `MRAPI_ERR_MUTEX_INVALID` error will be returned.

ERRORS

| | |
|-------------------------|---|
| MRAPI_ERR_PARAMETER | Invalid attribute parameter. |
| MRAPI_ERR_MUTEX_INVALID | Argument is not a valid mutex handle. |
| MRAPI_ERR_ATTR_NUM | Unknown attribute number |
| MRAPI_ERR_ATTR_SIZE | Incorrect attribute size |
| MRAPI_ERR_MUTEX_DELETED | If the mutex has been deleted then if <code>MRAPI_ERROR_EXT</code> attribute is set, MRAPI will return <code>MRAPI_ERR_MUTEX_DELETED</code> otherwise MRAPI will just return <code>MRAPI_ERR_MUTEX_INVALID</code> . |
| MRAPI_ERR_NODE_NOTINIT | The calling node is not initialized. |

NOTE

SEE ALSO

`mrapi_mutex_set_attribute()` for a list of pre-defined attribute numbers.