

4.3.3.4 MRAPI_RWL_GET_ATTRIBUTE

NAME

mrapi_rwl_get_attribute

SYNOPSIS

```
void mrapi_rwl_get_attribute (
    MRAPI_IN mrapi_rwl_hdl_t rwl,
    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 reader/writer lock. The attribute may be viewed but may not be changed (for this reader/writer lock).

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 reader/writer lock that no longer exists, an `MRAPI_ERR_RWL_DELETED` error code will be returned. When extended error checking is disabled, the `MRAPI_ERR_RWL_INVALID` error will be returned.

ERRORS

MRAPI_ERR_PARAMETER	Invalid attribute parameter.
MRAPI_ERR_RWL_INVALID	Argument is not a valid rwl handle.
MRAPI_ERR_ATTR_NUM	Unknown attribute number
MRAPI_ERR_ATTR_SIZE	Incorrect attribute size
MRAPI_ERR_RWL_DELETED	If the reader/writer lock has been deleted then if <code>MRAPI_ERROR_EXT</code> attribute is set, MRAPI will return <code>MRAPI_ERR_RWL_DELETED</code> otherwise MRAPI will just return <code>MRAPI_ERR_RWL_INVALID</code> .
MRAPI_ERR_NODE_NOTINIT	The calling node is not initialized.

NOTE

It is up to the implementation as to whether a reader/writer lock may be shared across domains. This is specified as an attribute during creation and the default is `MRAPI_FALSE`.

SEE ALSO

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