

4.4.1.4 MRAPI_SHMEM_GET_ATTRIBUTE

NAME

mrapi_shmem_get_attribute

SYNOPSIS

```
void mrapi_shmem_get_attribute(  
    MRAPI_IN mrapi_shmem_hndl_t shmem,  
    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 shared memory. The attributes may be viewed but may not be changed (for this shared memory).

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.

ERRORS

<code>MRAPI_ERR_PARAMETER</code>	Invalid <code>attribute</code> parameter.
<code>MRAPI_ERR_SHM_INVALID</code>	Argument is not a valid <code>shmem</code> handle.
<code>MRAPI_ERR_ATTR_NUM</code>	Unknown attribute number
<code>MRAPI_ERR_ATTR_SIZE</code>	Incorrect attribute size
<code>MRAPI_ERR_NODE_NOTINIT</code>	The calling node is not intialized.

NOTE

SEE ALSO

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