4.4.1.3   MRAPI_SHMEM_SET_ATTRIBUTE

NAME

mrapi_shmem_set_attribute

SYNOPSIS

```
void mrapi_shmem_set_attribute(
   MRAPI_OUT mrapi_shmem_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_shmem_attributes_t` data structure prior to calling `mrapi_shmem_create()`. If the user wants to control which physical memory is used, then that is done by setting the MRAPI_SHMEM_RESOURCE attribute to the resource in the metadata tree. The user would first need to call `mrapi_resources_get()` and then iterate over the tree to find the desired resource (see the example use case for more details).

MRAPI pre-defined shared memory attributes:

Attribute num:	Description:	Datatype:	Default:
MRAPI_SHMEM_RESOURCE	The physical memory resource in the metadata resource tree that the memory should be allocated from.	mrapi_resource_t	MRAPI_SHMEM_ANY
MRAPI_SHMEM_ADDRESS	The requested address for a shared memory region	mrapi_uint_t	MRAPI_SHMEM_ADDR_ANY
MRAPI_DOMAIN_SHARED	Indicates whether or not this remote memory is shareable across domains.	mrapi_boolean_t	MRAPI_TRUE
MRAPI_SHMEM_SIZE	Returns the size of the shared memory segment in bytes. This attribute can only be set through the size parameter passed in to create.	mrapi_size_t	No default.