

4.1.6 MCAPI_NODE_SET_ATTRIBUTE

NAME

mcapi_node_set_attribute - Sets the Node attributes to non-default values. The node attributes are passed as a parameter by mcapi_initialize().

SYNOPSIS

```
void mcapi_node_set_attribute(
    MCAPI_OUT mcapi_node_attributes_t* mcapi_node_attributes,
    MCAPI_IN mcapi_uint_t attribute_num,
    MCAPI_IN void* attribute,
    MCAPI_IN size_t attribute_size,
    MCAPI_OUT mcapi_status_t* mcapi_status
);
```

DESCRIPTION

This function is used to change default values of an mcapi_node_attributes_t data structure prior to calling mcapi_initialize(). This is a blocking function. Calls to this function have no effect on node attributes once the MCAPI has been initialized. The purpose of this function is to define node specific characteristics, and in this MCAPI version has only attribute. The node attributes are expected to be expanded in future versions.

MCAPI pre-defined node attributes:

Attribute num:	Description:	Data type:	Default:
MCAPI_NODE_ATTR_TYPE	Indicates the node type.	mcapi_uint_t	MCAPI_NODE_ATTR_TYPE_REGULAR

RETURN VALUE

On success *mcapi_status is set to MCAPI_SUCCESS. On error, *mcapi_status is set to the appropriate error defined below.

ERRORS

MCAPI_ERR_ATTR_NUM	Unknown attribute number.
MCAPI_ERR_ATTR_VALUE	Incorrect attribute value.
MCAPI_ERR_ATTR_SIZE	Incorrect attribute size.
MCAPI_ERR_ATTR_NOTSUPPORTED	Attribute not supported by the implementation.
MCAPI_ERR_ATTR_READONLY	Attribute cannot be modified.
MCAPI_ERR_PARAMETER	Incorrect mcapi_node_attributes or attribute parameter.