**4.1.7 MCAPI\_NODE\_GET\_ATTRIBUTE**

**NAME**

mcapi\_node\_get\_attribute – Get node attributes from a remote node.

**SYNOPSIS**

#include <mcapi.h>

void mcapi\_node\_get\_attribute( MCAPI\_IN mcapi\_domain\_t domain\_id, MCAPI\_IN mcapi\_node\_t node\_id, MCAPI\_IN mcapi\_uint\_t attribute\_num, MCAPI\_OUT void\* attribute,

MCAPI\_IN size\_t attribute\_size, MCAPI\_OUT mcapi\_status\_t\* mcapi\_status

);

**DESCRIPTION**

mcapi\_node\_get\_attribute() allows the application to query other nodes about their **attributes, e.g. type of node, characteristics, etc**.domain\_idandnode\_idspecifiy the node

being queried, attribute\_num indicates which one of the node attributes is being referenced. This is a blocking function. attribute points to a structure or scalar to be filled with the value of the attribute specified by attribute\_num. attribute size is the size in bytes of the attribute. See Section 3.2 and header files for a description of attributes. The mcapi\_node\_get\_attribute() function returns the requested attribute value by reference.

|  |  |  |  |
| --- | --- | --- | --- |
| MCAPI node attributes: |  |  |  |
| Attribute num: | Description: | Data type: | Default: |
| MCAPI\_NODE\_ATTR\_TYPE | Indicates | mcapi\_uint\_t | MCAPI\_NODE\_ATTR\_TYPE\_REGULAR |
|  | the node |  |  |
|  | type. |  |  |

**RETURN VALUE**

On success, \*attribute is filled with the requested attribute and \*mcapi\_status is set to

MCAPI\_SUCCESS. On error, \*mcapi\_status is set to an error code and \*attribute is not modified.

|  |  |  |
| --- | --- | --- |
| **ERRORS** |  |  |
| MCAPI\_ERR\_NODE\_NOTINIT | The local node is not initialized. |  |
| MCAPI\_ERR\_DOMAIN\_INVALID | The parameter is not a valid domain. | |
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