4.2.3 MCAPI_ENDPOINT_GET

NAME

mcapi_endpoint_get - Obtain the endpoint associated with a given tuple.

SYNOPSIS

DESCRIPTION

mcapi_endpoint_get() allows other nodes ("third parties") to get the endpoint identifier for the endpoint associated with a global tuple name <domain_id, node_id, port_id>. This function will block until the specified remote endpoint has been created via the mcapi_endpoint_create() call or a timeout is reached. An endpoint can receive messages from a multitude of other endpoints. Message type endpoints can therefore have multiple outstanding endpoint gets from other nodes. Channel connected endpoints on the other hand has a one to one relationship. Channel type endpoints can therefore only have one outstanding get. A second get on a channel type endpoint will result in an error. A timeout value of MCAPI_TIMEOUT_INFINITE would cause this function to block until completion (success or failure).

RETURN VALUE

On success, an endpoint is returned and *mcapi_status is set to MCAPI_SUCCESS. On error, MCAPI_NULL (or 0) is returned and *mcapi_status is set to the appropriate error defined below. MCAPI_NULL (or 0) could be a valid endpoint value so status has to be checked to ensure correctness.

ERRORS

MCAPI_ERR_PORT_INVALID	The parameter is not a valid port. This error also covers endpoints without ports (routing nodes).
MCAPI_ERR_NODE_INVALID	The parameter is not a valid node.
MCAPI_ERR_DOMAIN_INVALID	The parameter is not a valid domain.
MCAPI_ERR_NODE_NOTINIT	The node is not initialized.