

### 4.2.4 MCAPI\_ENDPOINT\_DELETE

#### NAME

`mcapi_endpoint_delete` – delete an endpoint.

#### SYNOPSIS

```
#include <mcapi.h>

void mcapi_endpoint_delete(
    MCAPI_IN mcapi_endpoint_t endpoint,
    MCAPI_OUT mcapi_status_t* mcapi_status
);
```

#### DESCRIPTION

Deletes an MCAPI endpoint. Pending messages are discarded. If an endpoint has been connected to a packet or scalar channel, the appropriate close method must be called before deleting the endpoint. Delete is a blocking operation. Since the connection is closed before deleting the endpoint, the delete method does not require any cross-process synchronization and is guaranteed to return in a timely manner (operation will return without having to block on any IPC to any remote nodes). It is an error to attempt to delete an endpoint that has not been closed. Only the node that created an endpoint can delete it. An endpoint that has an open pending but is not yet connected can be deleted.

#### RETURN VALUE

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

#### ERRORS

<code>MCAPI_ERR_NODE_NOTINIT</code>	The node is not initialized.
<code>MCAPI_ERR_ENDP_INVALID</code>	Argument is not a valid endpoint descriptor.
<code>MCAPI_ERR_CHAN_CONNECTED</code>	A channel is connected, deletion is not allowed
<code>MCAPI_ERR_ENDP_NOTOWNER</code>	An endpoint can only be deleted by its creator.
<code>MCAPI_ERR_GENERAL</code>	Implementation specific error not covered by other status codes. Specifics must be documented.

#### SEE ALSO

```
mcapi_endpoint_create()
```