Terminating an EntireX Broker Service

This section describes how to terminate an EntireX Broker Service. Several methods exist.

- Using SYSRPC

- Using EntireX System Management Hub

- Using Application Programming Interface USR2075N

Using SYSRPC

Use the `TS` (Terminate EntireX Broker Service) command of the `SYSRPC` utility as described in *Terminating a Server* in the *SYSRPC Utility* documentation.

Using EntireX System Management Hub

Use the **Deregister** button in the Service subtree of the EntireX System Management Hub.

Using Application Programming Interface USR2075N

The Application Programming Interface (API) `USR2075N` enables you to terminate an EntireX Broker Service from within your application.

With the command `TERMINATE-SERVICE` the interface uses the command and information service of EntireX to fulfill the task. First of all, it sends a logon request to the EntireX Broker. Then it gets a list of all servers specified by server class, server name, and service type. Finally, it sends a shutdown request to each server. A message indicates how many servers were terminated.

▶ **To make use of `USR2075N`**

1. Copy the subprogram `USR2075N` from libray `SYSEXT` to the library `SYSTEM` or to the steplib library or to any application in the server environment.

2. Using a `DEFINE DATA` statement in structured mode or a `RESET` statement in reporting mode, specify the following parameters:

Parameter	Format	I/O	Description	
FUNCTION	A18	I	Specify `TERMINATE-SERVICE`. This sends a shutdown request to each server specified with the parameters `SRVCLASS`, `SRVNAME`, and `SERVICE` (service type), see below.	
SRVNODE	A192	I	Specify the Broker name or an asterisk (*) if the server name represents a Location Transparency of EntireX or a logical Broker node name as `LOGBROKER=nodename`). See the keyword subparameter `SRVNODE` of profile parameter `RPC` or parameter macro `NTRPC`.	
SRVCLASS	A32	I	Specify the server class. For Natural RPC servers, this is `RPC`.	
SRVNAME	A32/A192	I	Server name (A32) or EntireX Location Transparency (A192). See the keyword subparameter `SRVNAME` of profile parameter `RPC` or parameter macro `NTRPC`.	
SERVICE	A32	I	Specify the type of service. For Natural RPC servers, this is `CALLNAT`.	
IMMEDIATE	L		TRUE	Immediately terminate all conversations for the specified server.
			FALSE	Existing conversations are allowed to end normally; no new conversations are accepted.
USER-ID	A32	I	Specify the user ID to logon to the EntireX Broker.	
PASSWORD	A32	I	Specify the password for EntireX Broker Security, if it is used on the EntireX Broker side.	
MSG	A (dynamic)	O	Message returned.	
RC	I2	O	Response code; possible values:	
			0	MSG contains a normal message from the EntireX Broker.
			1	MSG contains an error message from the EntireX Broker.
			3	MSG contains an error message from Natural Security on the client side.

3. Before invoking the API, fill the input variables listed above.