

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
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Using SYSRPC

Use the **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 library 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= <i>node name</i>). See the profile parameter SRVNODE.	
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 profile parameter SRVNAME .	
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.

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