

SYSRPC - Server Command Execution

The SYSRPC utility provides the server execution commands Ping and Terminate. They are used to control active servers that have been defined in the Service Directory. The Ping command sends an internal message to verify a server connection. Terminate sends an internal message to terminate a server.

Below is information on:

- Pinging a Server
 - Terminating a Server
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Pinging a Server

To ping a server

- In the Service Directory tree, right-click the name of a Server or a Node and choose Ping.
Or choose CTRL+F9.
Or click the following toolbar button:



Clicking an EntireX Broker node will ping all servers that belong to this node.

The Message Display box appears displaying the names of the node, server(s) and the message returned from the server(s).

If the pinged server(s) is available, the server(s) returns the message: "*Server V.R.S.PL on operating system*", where

Server denotes the type of server;

V.R.S.PL is the 1-digit version, *R* the 1-digit release, *S* the 1-digit system maintenance level and *PL* the 1- or 2-digit patch level of the server;

operating system denotes on which operating system the server runs.

Example message: Natural RPC Server 5.1.1.0 on WNT-x86.

Terminating a Server

To terminate a server

- In the Service Directory tree, right-click a Server node and choose Terminate.
Or click the following toolbar button:



The Message Display box appears displaying the names of the node, server(s) and the message returned from the server(s): "Terminating *Server V.R.S.PL on operating system*", where

Server denotes the type of server;

V.R.S.PL is the 1-digit version, *R* the 1-digit release, *S* the 1-digit system maintenance level and *PL* the 1- or 2-digit patch level of the server;

operating system denotes on which operating system the server runs.

Example message: Terminating Natural RPC Server 5.1.1.0 on WNT-x86.

If the LOGON option has been set for a server or a node, logon data (user ID, password and library name) are sent to the server with the Terminal command, as is usual for the CALLNAT. The Security Token Data window pops up to request user ID and password if no Natural Security is installed on the client side and no logon data are set with the

USR1071P user exit for the current Natural session.

If LOGONRQ=ON (see also Using Natural RPC with Natural Security in the Natural RPC documentation) has been set on the server side, logon data must be sent from the client with the Terminate command.

If Natural Security is installed on the server, the logon data transferred must enable a logon to the library SYSRPC.

Terminating a Server with Replicates

When you are running a server with replicates you must terminate each replicate separately using the Terminate command as described above.

Alternatively, the server can be terminated with the EntireX Broker Control Center or the EntireX System Management Hub.