



GenBroker Router Node Setup Guide

APPLICATIONS NOTE

January 2003

Description: Guide to setting up a computer to act as a mediator node through GenBroker.

OS Requirement: The operating system required is Win XP/2000/NT/98/Me.

General Requirement: Prior to reading this app note, you should first read the **GenBroker Quick Start** app note, which describes general concepts of GenBroker.

Overview:

The concept behind using a GenBroker Mediator Node is to use one computer as a bridge between a Client PC and a server PC. This can be especially useful if the mediator node is used to join multiple networks together, thus allowing Clients on one network to communicate with Servers that are on another network. Any computer can be setup as a Client PC that uses a mediator node, even computers that are running as Servers.

Client Setup:

Follow this setup on the Client PC if you wish to go through a mediator node to communicate to a Server PC.

- 1) Start the GenBroker Configurator from the Windows Start Menu.
- 2) Select GenBroker Communications and then click New, to setup a new configuration.

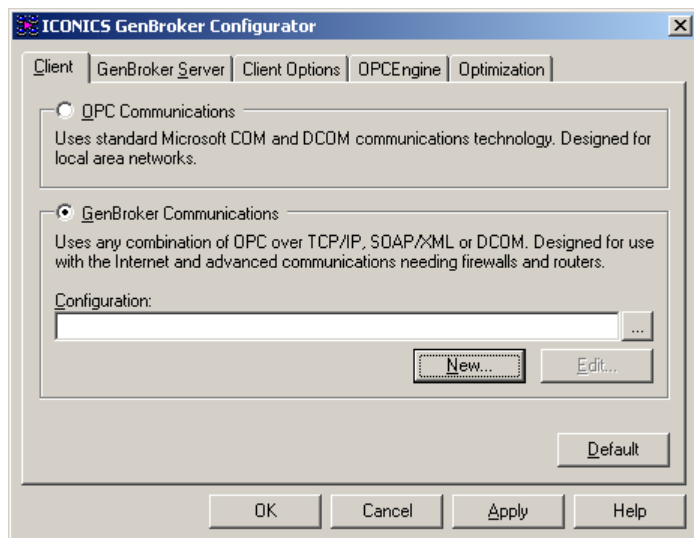


Fig.1 GenBroker Communications

- 3) Create a direct TCP/IP Channel by clicking on the TCP button in the top, left of the screen.

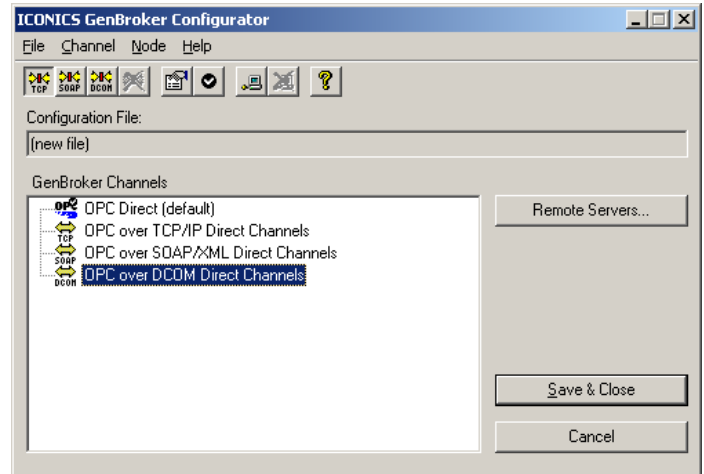


Fig.2 Create new TCP/IP Channel

- 4) Select the name of your mediator node from the drop down list, or type it into the textbox, then press OK.

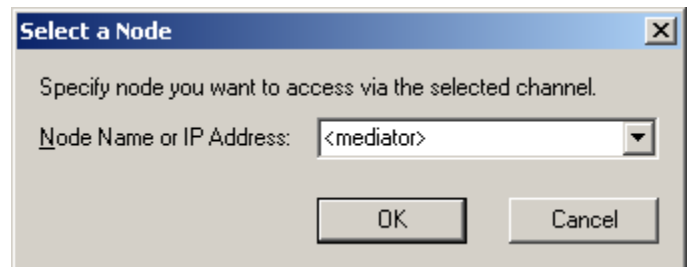


Fig.3 Select Mediator Node

- 5) Customize the TCP/IP Channel properties. The default settings should be sufficient for most applications. Press OK when finished.

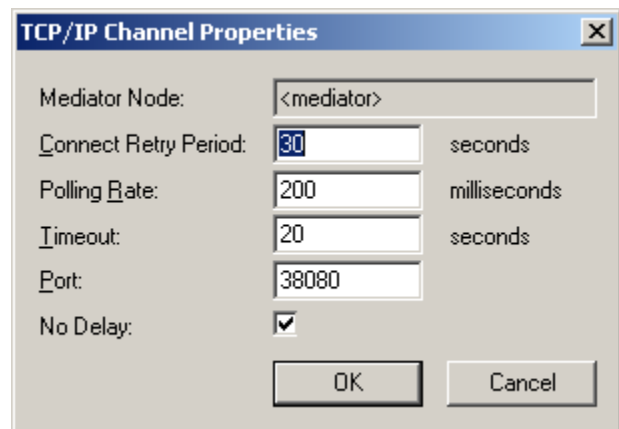


Fig.4 TCP/IP Channel Properties

- 6) Set this new TCP/IP channel to be the default means of communications by right clicking on it and choosing Set As Default.



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- 7) Next, Add the Node for the Server to which you are connecting, by right clicking on the TCP/IP channel and selecting Add Node.

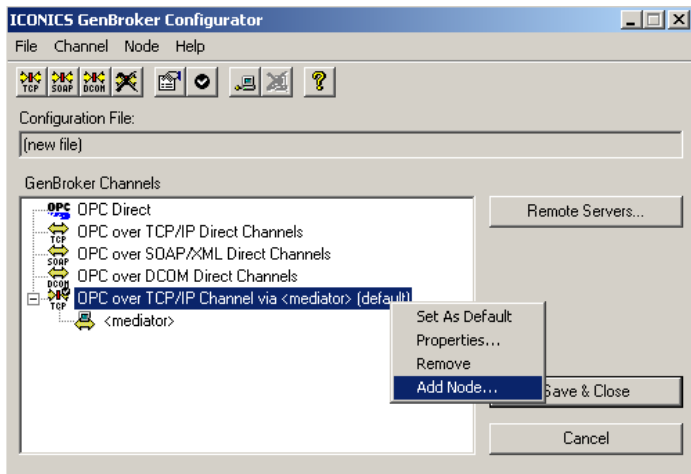


Fig.5 Add Node for Server Node

- 8) You will be asked to enter a node name for the remote node, so either choose it from the drop down list, or enter the name in the textbox. Press OK when finished
- 9) The setup should look like the example below:

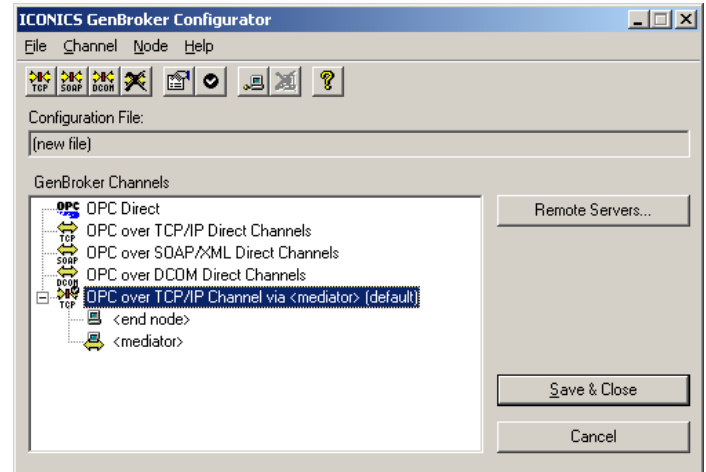


Fig.6 Correct appearance of a Mediator Node setup

- 10) Continue to add additional nodes to this channel if there are other computers that you would like to communicate with via this mediator node. Any computers that are not in this list will be accessible directly using TCP/IP.
- 11) Press the Save & Close button to save the GenBroker Settings. Then press Ok, to exit the GenBroker Configurator.
- 12) Before accessing the remote server, you must first start GenBroker on both the Mediator Node and the Server PC.