

Description: Guide to set up DCOM configuration to run GenBroker as a service on a WebHMI server machine

OS Requirements: Win 2000, XP Pro, Server 2003, Vista, Server 2008, Windows 7

General Requirements: WebHMI installation

Introduction

When GenBroker is running as a SERVICE on WebHMI Server, you may get licensing errors when trying to connect to it. This is probably because the DCOM security settings on the server are too restrictive although this error can also be caused by improper GenBroker configurations such that the client can't find the server. Before you start configuring DCOM, make sure that if you use computer names in your GenBroker configuration, your DNS is setup properly such that you can ping the server from the client by name.

Generally, if you ran the Application Setup Utility during installation, you will not need to perform any extra steps to configure GenBroker to run as an automatic service. If you did not run the Application Setup Utility during installation, you can still use it. Please refer to the application note entitled GENESIS32 – Application Setup Utility for more information.

This application note is meant for those who cannot run the Application Setup Utility and must manually set GenBroker to run as a service.

Service Configuration

1. Go to Start → Programs → ICONICS Tools → MonitorWorX
2. Check the "NT Service" option to have GenBroker set as a service

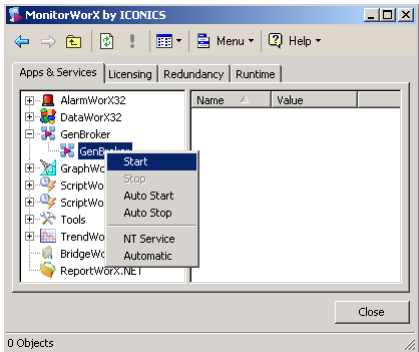


Figure 1 - Start GenBroker Server

3. Go to Start → Control Panel → Administrative Tools → Services and double-click on "ICONICS GenBroker"
4. On the "Log On" browse for and select your Administrative user, add the password and click on OK.

NOTE: The component services window looks different depending on the operating system. This application note will assume that you are using Windows XP.

DCOM Configuration

1. Configure GenBroker to run as a service and start automatically in MonitorWorX by right-clicking on it and selecting NT Service.
2. Run DCOM configuration by going to Start → Run and type in "dcomcnfg" (without quotes) and hit enter.
3. Once the Component services window is opened, expand Component Services → Computers → My Computer → DCOM Config → ICONICS Security Server
4. Right-click on it and select properties
5. On the Security tab - make sure the top box (Launch and Activation Permissions) is set to Customize and hit edit.
You need to make sure that the following five groups are in the list:
 - Administrator
 - Administrators
 - System
 - Interactive
 - Network
6. Check and make sure that each one have all permissions allowed
7. Repeat steps 5-6 for Access Permissions and Configuration Permissions
8. Select the Identity tab
9. Select the "This User" radio button and browse for the administrator (or a user with administrative permissions) and fill in the password. Click on "OK" when done

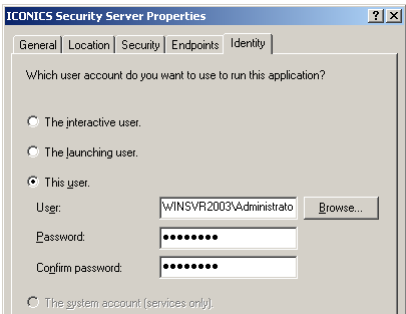


Figure 2 - Identity Tab

10. Reboot the server and try again.
11. You should now be able to log in successfully from WebHMI clients with GenBroker running as a service.
12. If you no longer receive license errors but your data points all show up as "Bad Quality" or "Unknown State", you need to repeat steps 2-10 for the OPC Server executable (Services/My Computer/DCOM Config/OPCServerExecutableName).