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SOAP Wizard

Setting Up Your GenBroker Server PC

You must do the following to use SOAP/XML communications on the GenBroker server PC:

- 1. The server must have ProcessView Version 7.0 or higher installed.
- 2. The server must have Microsoft Internet Information Server (IIS) 5.0 or higher installed.

3. From Start > Programs > Smar > ProcessView > Tools, select the SOAP Wizard. This launches the SOAP/XML Wizard, shown in the figure below. This wizard will assist you in setting up your GenBroker SOAP/XML server. Enter the name of the PC that will be the SOAP server (should be the PC you are running the wizard on).

| 🔑 Smar GenBroker v7.00 |).117.0 🗙 |
|---|---|
| Enter the name of your Ger form of Microsoft Network N Address. The GenBroker S be customized to work with | nBroker SOAP/XML server in the Name, DNS Name, or IP SOAP/XML configuration file will this server. |
| MS Network Name | |
| PC_NAME | |
| - Name Convention | |
| MS Network | |
| C DNS | |
| C IP Address | Close Dk |

Figure 1. SOAP/XML Wizard

- 4. Add "Network" to the default launch and access permissions in DCOM:
 - Select Start > Run and type "DCOMCNFG" into the Run field. Press Enter.
 - Go to the **Default Security** tab in the **DCOM Configuration Properties** window, as shown in the figure below.

| Distributed COM Configuration Properties | ? × |
|--|--------------|
| Applications Default Properties Default Security Default Protocols | |
| Default Acc <u>e</u> ss Permissions | |
| You may edit who is allowed to access applications that do not provide their own settings | |
| Edit Default | \mathbf{D} |
| Default Launch Permissions | - |
| You may edit who is allowed to launch applications that do not provide their own settings. | |
| Edit Default | D |
| Default Configuration Permissions | |
| You may edit the list of users that are allowed to modify OLE class configuration information. This includes installing new OLE servers and adjusting the configuration of existing OLE servers. | |
| Edit Default | |
| OK Cancel Ap | ply |

Figure 2. DCOM Configuration Properties

- Under **Default Access Permissions** click on the **Edit Default** button. This opens the Registry Value Permissions dialog box. In this dialog, you should make sure that **Network** is there. Otherwise click on **Add...** and select it from the list of local users and groups.
- Follow the same procedure as described above for the Default Launch Permissions.

| Registry Value Permissions | × |
|--|---|
| Registry Value: DefaultAccessPermission <u>D</u> wner: chrism (Chris McKinley) <u>N</u> ame: | |
| MII INTERACTIVE Allow Access | - |
| NETWORK Allow Access | |
| SYSTEM Allow Access | |
| Ivpe of Access: Allow Access OK Cancel Add | |

Figure 3. Registry Value Permissions

5. Do not set GenBroker as a service or start it manually; SOAP will take care of starting it if a call is made.

6. Reboot the PC. Now other PCs will be able to use your PC as a GenBroker server over SOAP.

Optimization

Disable the TCP/IP server in the **GenBroker Server** tab of the GenBroker Configurator, as shown in the figure below. The TCP/IP Initialization code slows down the GenBroker.exe module initialization, causing a delay the first time it is started.

| 👯 GenB | roker Configurator 🛛 🗙 |
|----------|--|
| Client | GenBroker Server Client Options OPCEngine Optimization |
| Gen | Broker Channels |
| <u> </u> | Enable OPC over TCP/IP communications |
| | Bind to all interfaces Properties |
| | C Special settings Properties |
| | Enable OPC over SOAP/XML communications |
| ~ | Enable OPC over DCOM communications |
| □ Ge | enBroker Read only access |
| | |
| | Default |
| | Deradit |
| | OK Cancel Apply Help |

Figure 4. Disabling TCP/IP Communications