GENESIS32 – SOAP XML Setup for Windows Server 2003

APPLICATIONS NOTE

October 2013

Description: Guide to SOAP XML communication for Server 2003 and Server 2003 with SP1/SP2.
OS Requirement: Windows Server 2003
General Requirement: Microsoft IIS, Genesis 32 Version 9.x.

DCOM Setup

1. Start the **Component Services** dialog from the **Administrative Tools**.
2. Expand the **Component Service** tree until **My Computer** is shown.

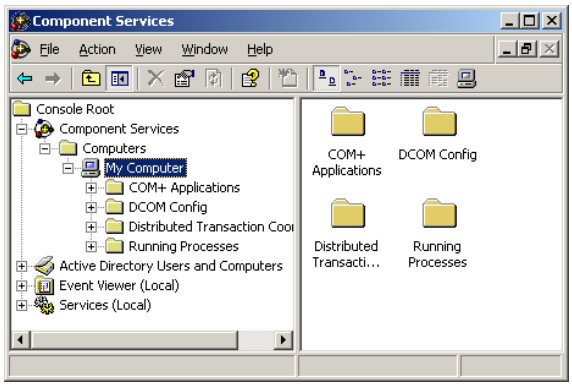

Figure 1 - Component Services

For Server 2003 without Service Pack

1. Right click on My Computer and select Properties. The properties dialog will pop up. Then select the Default COM Security tab.
2. In the Access Permissions area, select Edit Default. Make sure that Everyone, Interactive, Network, Network Service and System accounts are on the list and Allow checkboxes are checked. If not, add them.

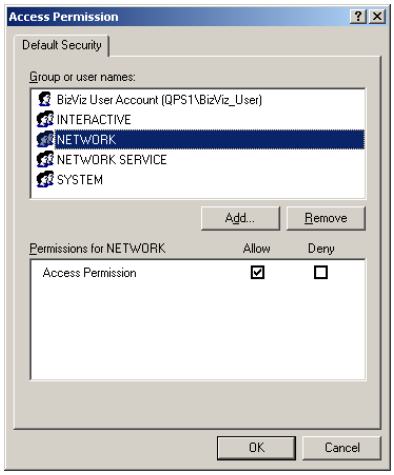

Figure 2 - Default Access Permission for Server 2003 without SP1

3. In the Launch Permissions area, select Edit Default. Make sure that the following User Groups are in there:
   - Administrators
   - Everyone
   - Interactive
   - Internet Guest Account
   - Launch IIS Process Account
   - Network
   - Network Service
   - System accounts
4. Make sure that all of the Allow checkboxes are checked for each of the users

For Server 2003 with Service Pack 1 and Service Pack 2

1. Right click on **My Computer** and select **Properties**. The properties dialog will pop up. Then select the **COM Security** tab.
2. In the **Access Permissions** area, select **Edit Default**. Make sure that **Everyone**, **Interactive**, **Network**, **Network Service** and **System** accounts are on the list and both checkboxes in **Allow** column are checked.

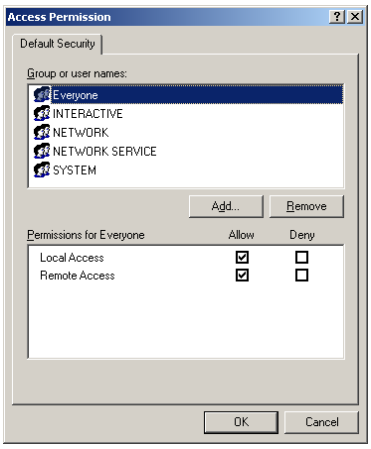

Figure 3 - Default Access Permissions for Server 2003 with SP1

3. In the Launch and Activation Permissions area, select Edit Default. Make sure that the following User Groups are in there:
   - Administrators
   - Everyone
   - Interactive
   - Internet Guest Account
   - Launch IIS Process Account
   - Network
   - Network Service
   - System
4. Make sure that all of the Allow checkboxes are checked for each of the users

SOAP Wizard

1. Go to Start → Programs → ICONICS Tools to start the SOAP XML Wizard.
2. Fill in the name or IP address of your machine and hit **OK** to run the Wizard.

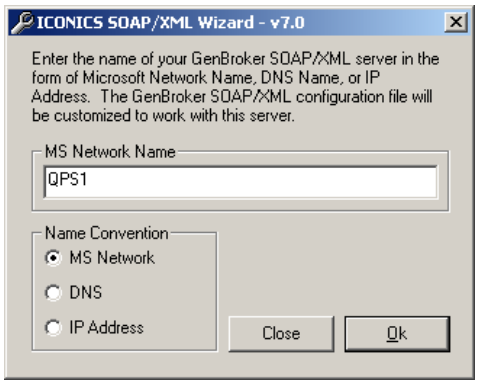

Figure 4 - SOAP XML Wizard

3. Hit **OK** to the complete dialog and you are finished with the wizard.

GenBroker Setup

1. Start the GENESIS32 Tray by going to Start → Programs → ICONICS Tools.
2. Click on the GENESIS32 Tray icon (the pink triangle) in the Windows Taskbar and select GenBroker → NT Service. This will configure GenBroker to run as a service.

Figure 5 - GENESIS32 Tool Tray

3. Open the **Services** dialog from the **Administrative Tools** folder and open the properties dialog for **ICONICS GenBroker**.
4. On the **General** tab set the **Startup Type** to **Manual**. This is done because IIS will start GenBroker when a client request is received.
5. On the **Log On** tab set the service to run under the **Administrator** account. You can also create a new user account to use here. Your new user must have Administrative privileges.

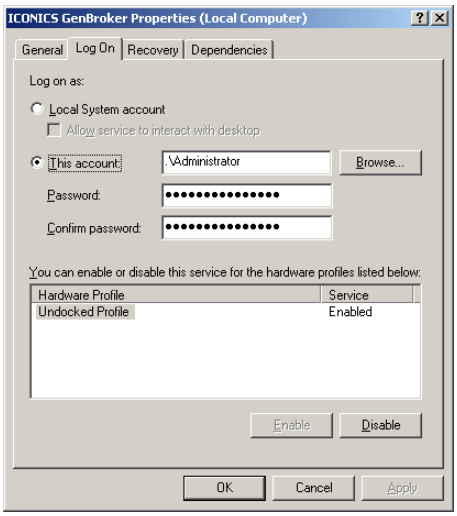

Figure 6 - Service Log On Tab

IIS Setup

1. Open the Internet Services Manager in the Administrative Tools folder.
2. Select Web Service Extensions and set to allow All Unknown ISAPI Extensions.

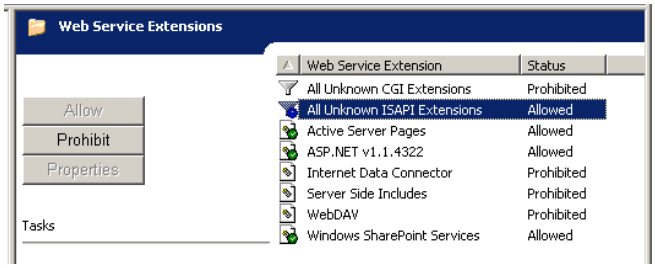

Figure 7 - Web Service Extensions

Windows Firewall Note

If Windows Firewall is turned on, it is necessary to allow exceptions at least for **GenBroker.exe**, **File and Printer Sharing** and **Web Server** service (TCP port 80). The Windows Firewall installed with SP1 for Windows 2003 Server is very similar to firewall installed with SP2 for Windows XP. For more details about firewall configuration please refer to the *GENESIS32 – With Windows XP Service Pack 2* application note.