

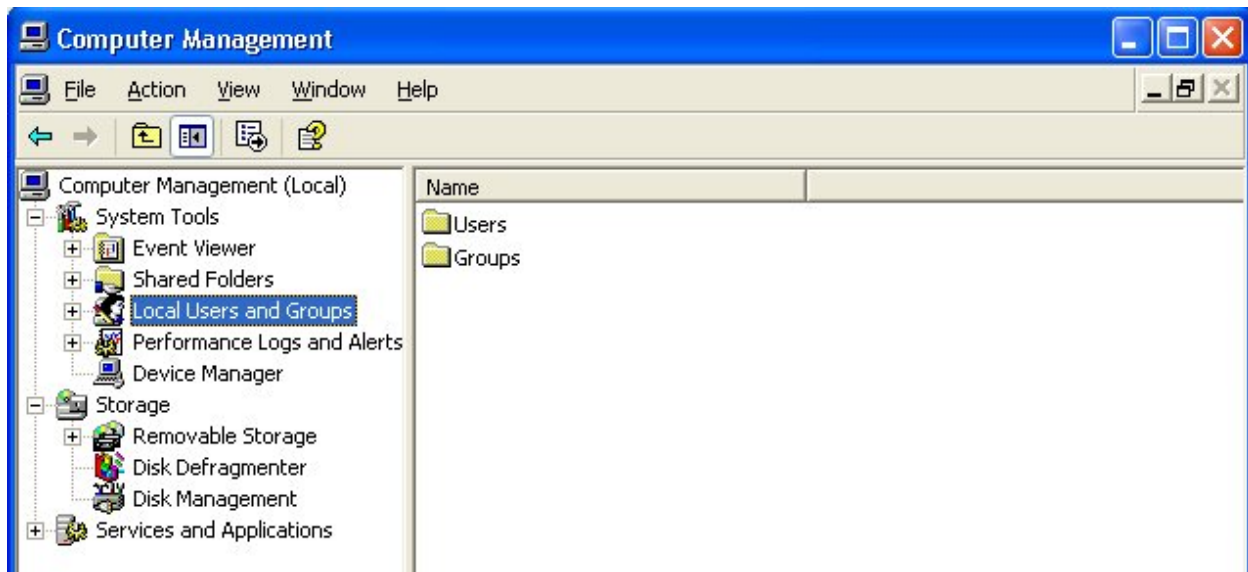
Configuration Instructions for a DB4 Server on Windows Operating Systems

FPS GOLD® recommends that a new user, "DB4User," be set up on the DB4 server for the DB4 engine. This is for security purposes. Set up the user first before configuring the DB4 server. The user can either be a domain user or a local user.

To set up a DB4 user, complete the following steps.

Step 1 Click <START> on the desktop.

Step 2 Select Control Panel, then Administrative Tools, then Computer Management.



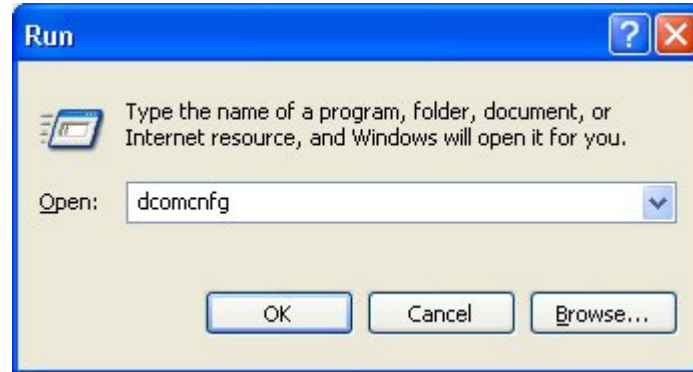
Step 3 Select Local Users and Groups.

Follow procedures for adding a new User.

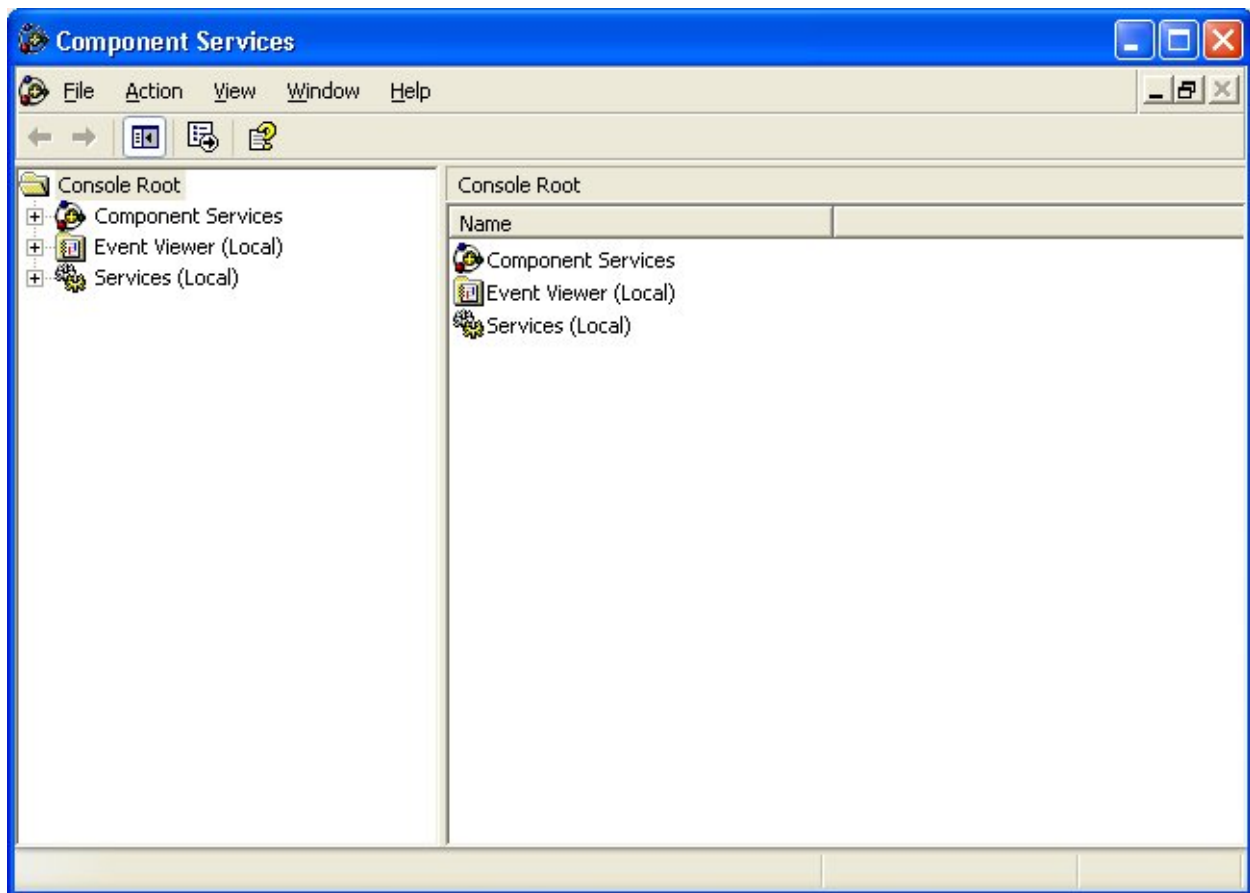
- We suggest the username of **DB4User**.
- Type a description in the **DESCRIPTION** field, indicating that this user is set up for the DHI DB4Engine.
- Remember the password because it will be needed later in the setup.
- Select "Password Never Expires."
- This user must be a local administrator. We also suggest limiting this user logon abilities to this computer only.

To configure the DB4 server, complete the following steps.

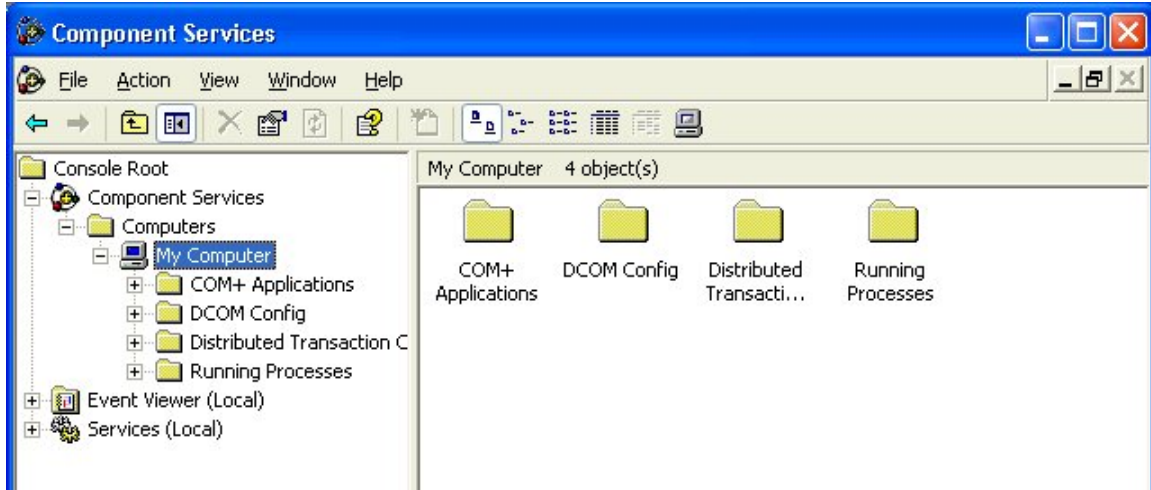
- Step 1** Click <START> on the desktop.
- Step 2** Select Run.... The Run dialog will appear.
- Step 3** Type "dcomcnfg" in the **OPEN** field.



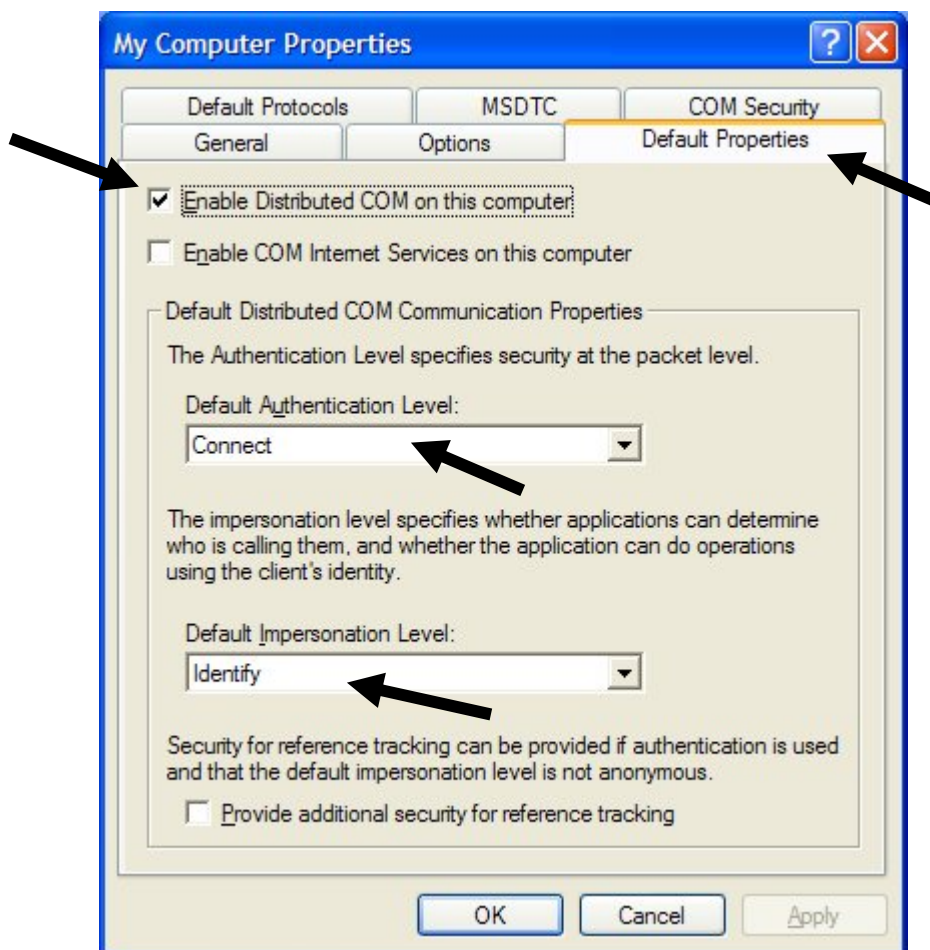
- Step 4** Click **OK**. The Component Services dialog will appear.



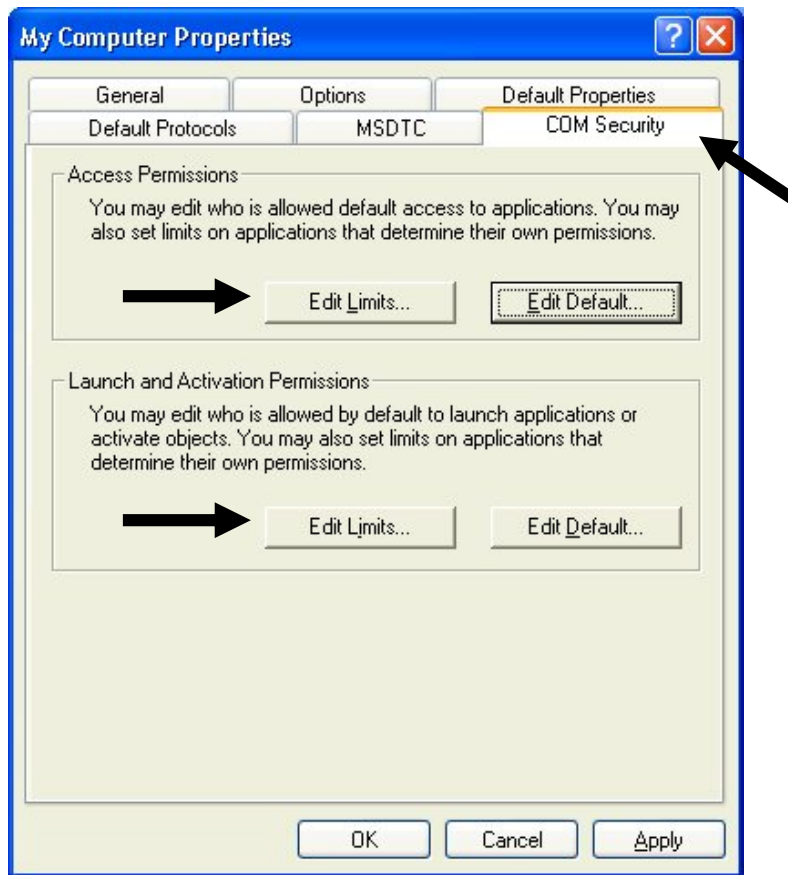
Step 5 Click on Component Services and open up the explorer view tree until you see My Computer



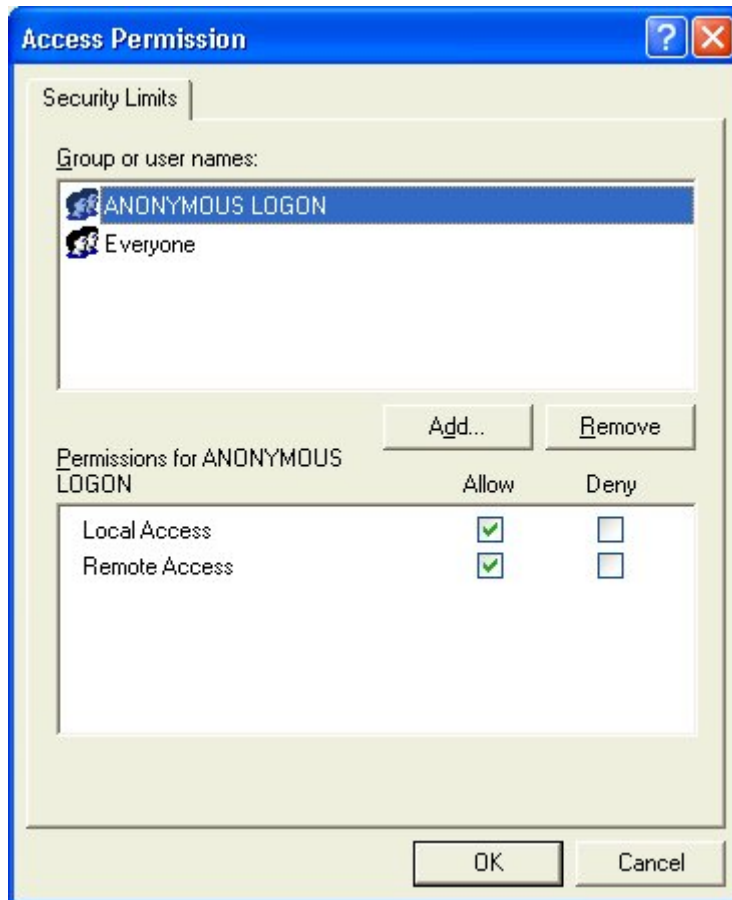
Step 6 Right Click on My Computer and select Properties and then select the Default Properties Tab. Make sure that the Enable Distributed COM on this Computer is checked. Set the Default Authentication Level to **Connect** Set the Default Impersonation Level to **Identify**



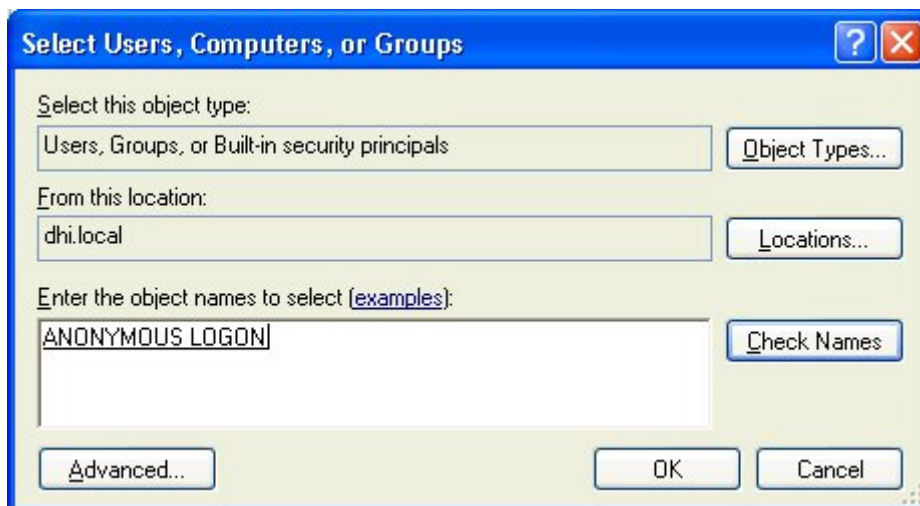
Step 7 Select the Com Security Tab. You should see two new buttons called Edit Limits



Step 8 Click on the **Edit Limits** for Access Permissions.

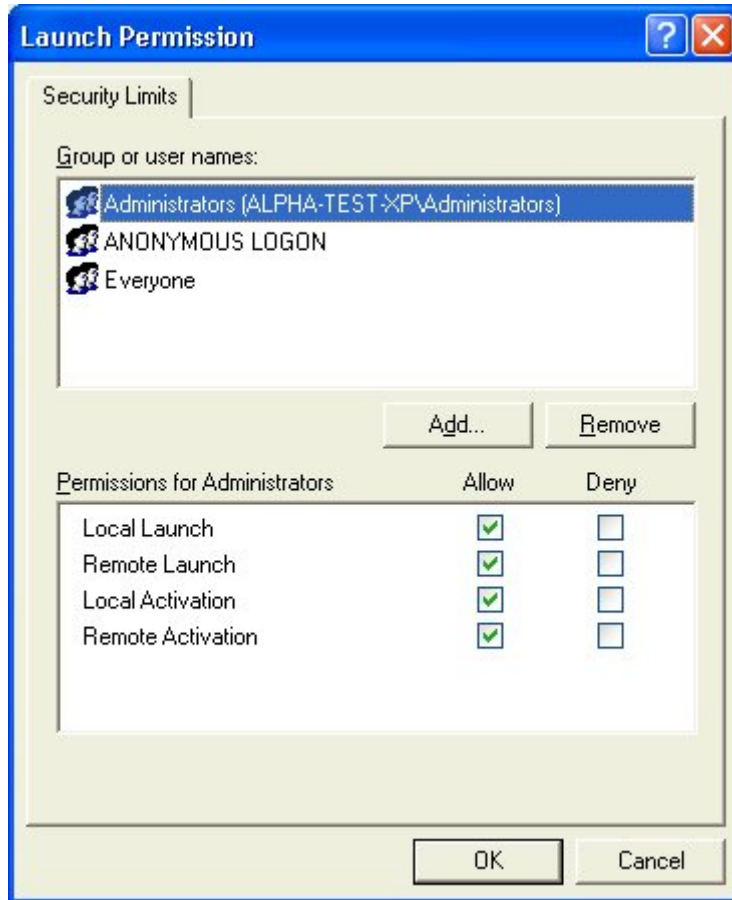


Make sure that **Anonymous Logon** and **Everyone** are in the group / user name with full permissions for local and remote access. Click **Add** to add them if they are not in the group



Step 9 Click on **OK** and then Click on **Apply**

Step 10 Click on the **Edit Limits** for Launch and Activation Permissions.

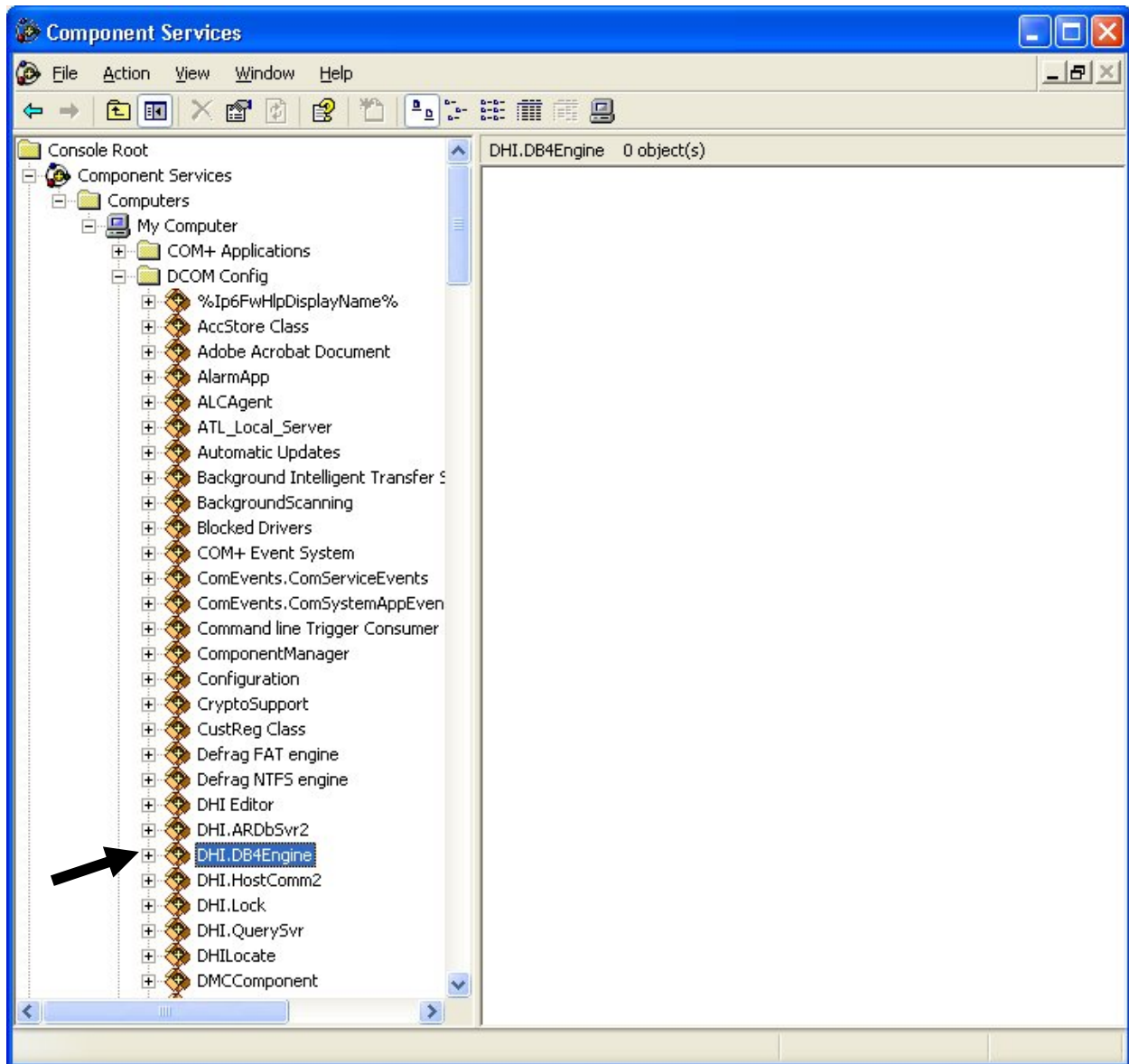


Make sure that you have **Anonymous Logon** and **Everyone** with full security for all options also in this area.

Step 11 Click on **Apply** and then Click on **OK**. You are now back to Component Services.

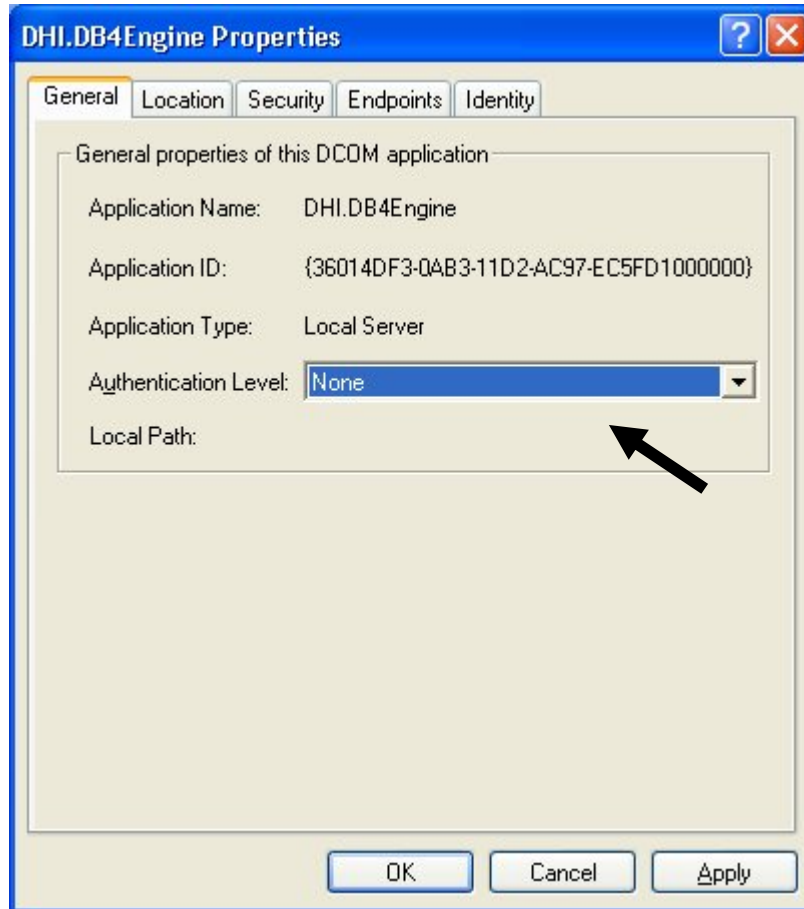
DHI.DB4Engine Section

- Step 1** Open the Tree View for DCOM Config.
Step 2 Select "DHI.DB4Engine" from the list of available applications.



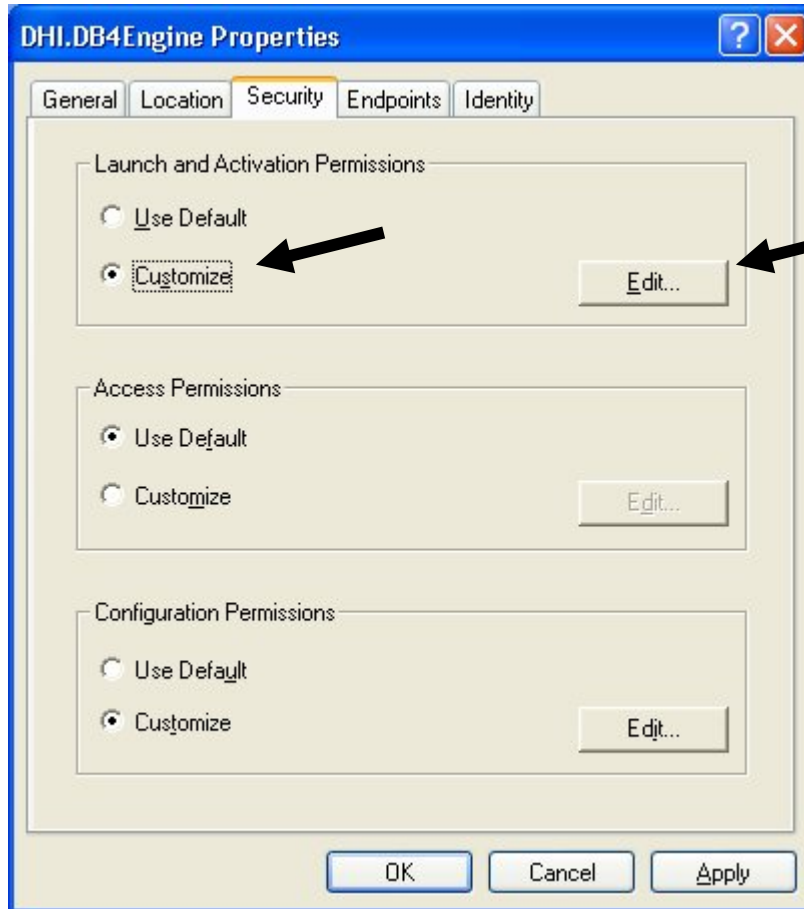
- Step 3** Right Click on DHI.DB4Engine and choose Properties. The DHI.DB4Engine Properties dialog will appear.

Step 4 From the General tab choose Authentication Level **None**.



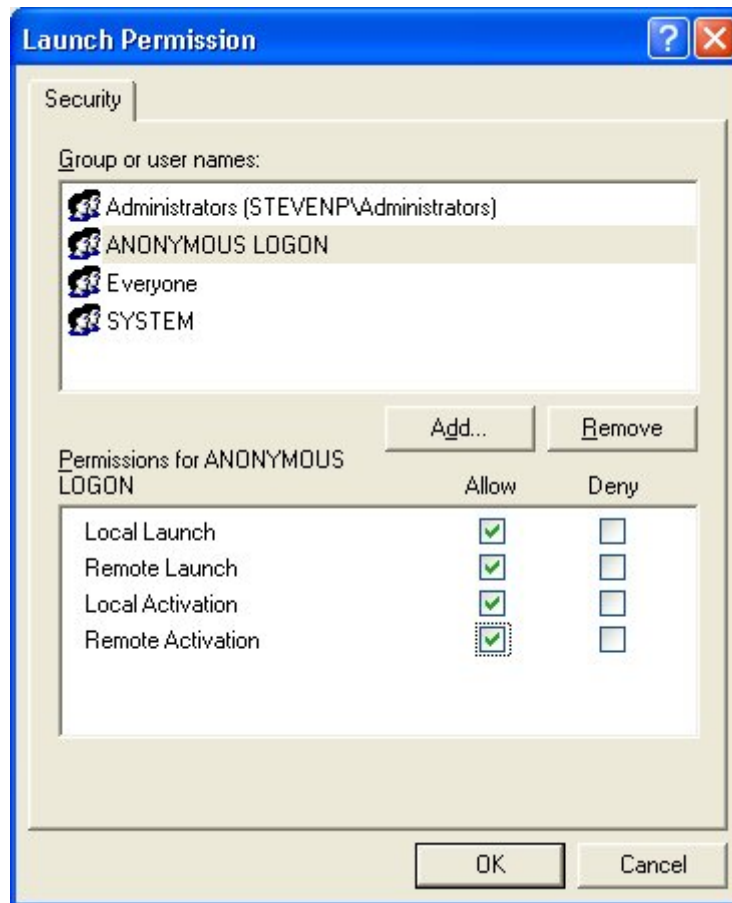
Step 5 Click on **Apply**.

Step 6 Click the Security tab.



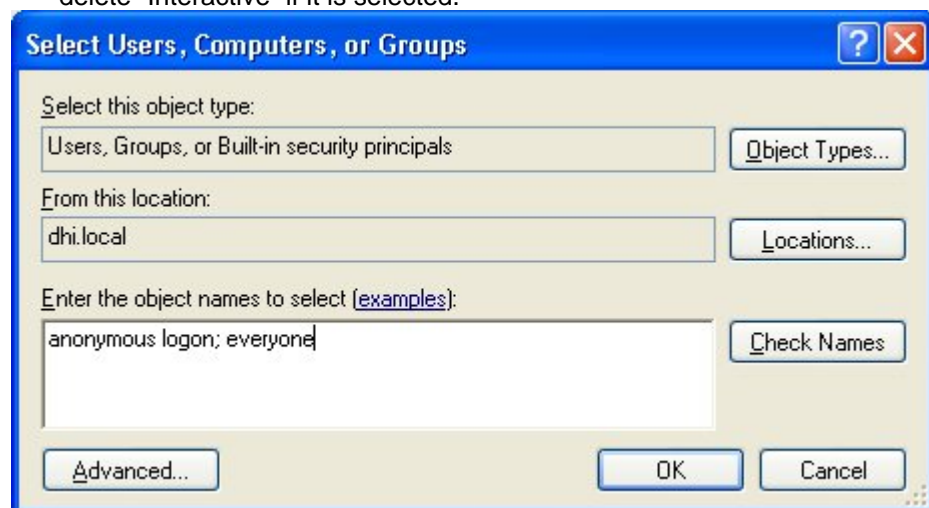
Step 6 Select **Customize** for Launch and Activation Permissions.

Step 7 Click the <EDIT...> button associated with this security option. The Launch Permission dialog will appear.



Step 8 Verify that **Anonymous Logon**, **Everyone** and **System** are selected. They will be displayed in Group or user names box. These users/groups must be set up with all “Allow” security.

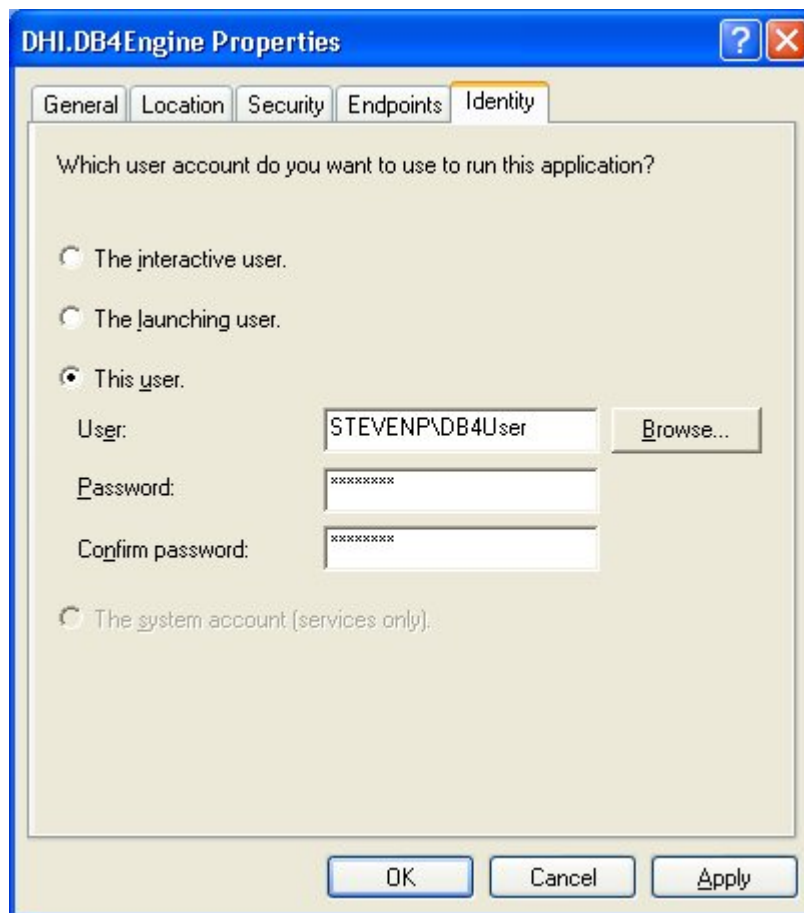
- (Use the <ADD...> button if these users/groups need to be added.) **NOTE:** Any other users/groups that are already selected may remain. You may, however, delete “Interactive” if it is selected.



Type in the names of the needed users. Separated with a semi-colon and space.

Step 9 Click **OK** and then on **Apply**.

Step 10 Click the Identity tab.



Step 11 Select "This user" to answer the question, "Which user account do you want to use to run this application?"

Step 12 Click <BROWSE...>. The Browse for Users dialog will appear.

Step 13 Select the DB4User.

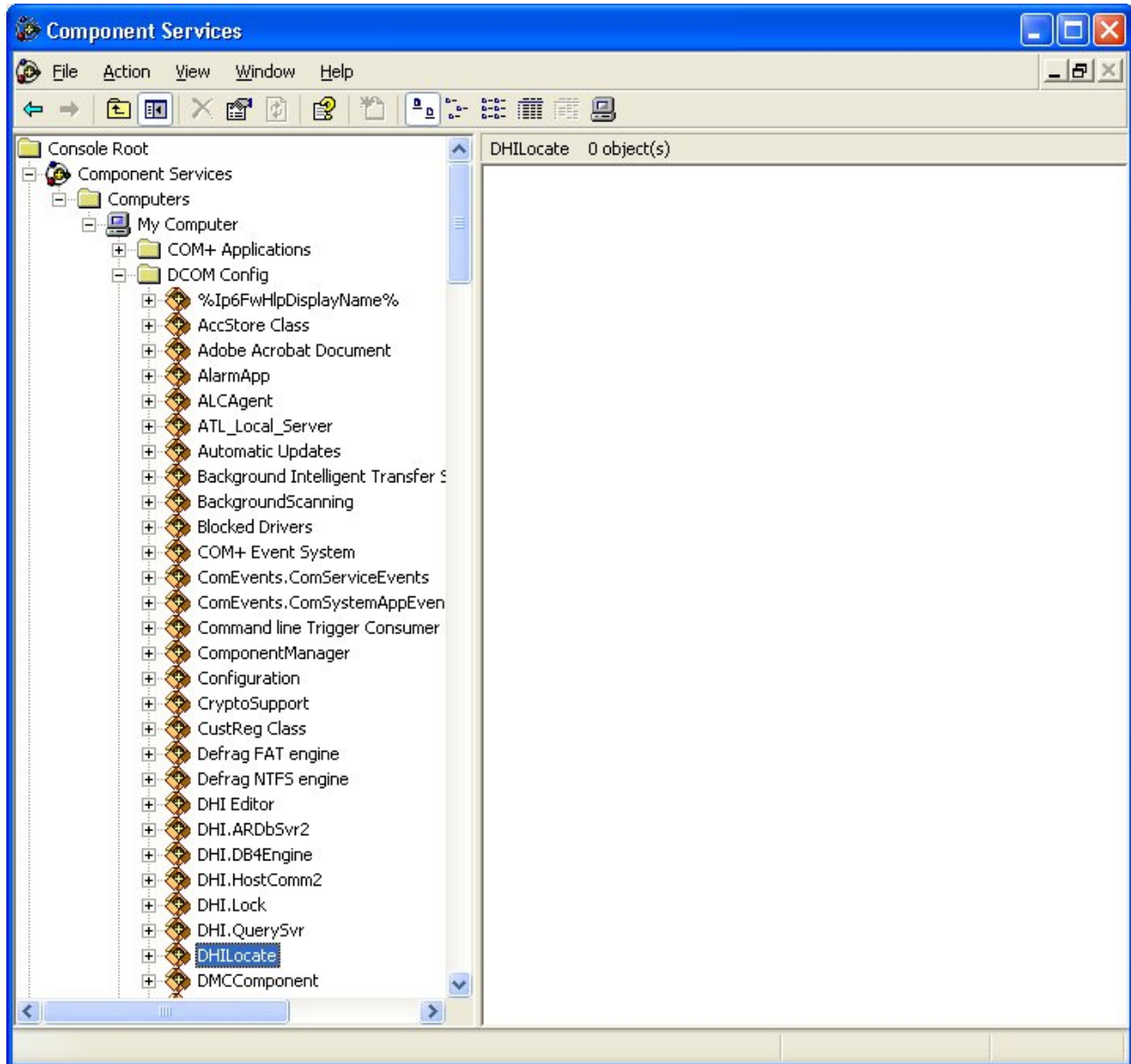
Step 14 Type the password associated with the DB4 user in the **PASSWORD** field.

Step 15 Type the password again in the **CONFIRM PASSWORD** field.

Step 16 Click on **Apply** and then Click on **OK**. You are now back to Component Services.

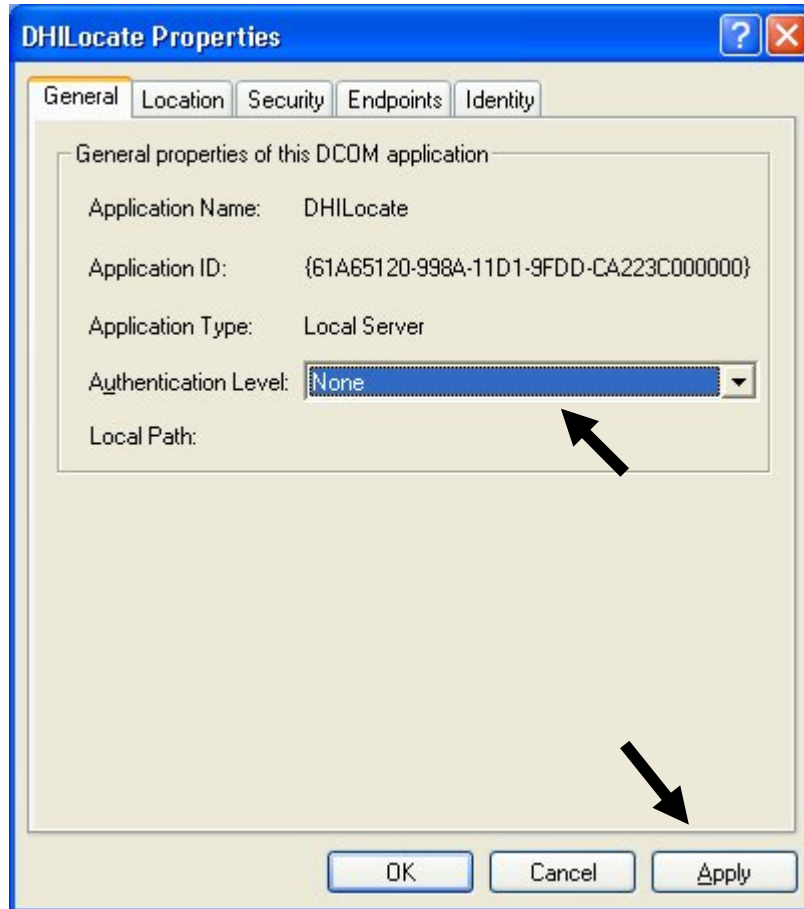
DHILocate or Locator Class Section

Step 1 Select **DHILocate** from the list of available applications.



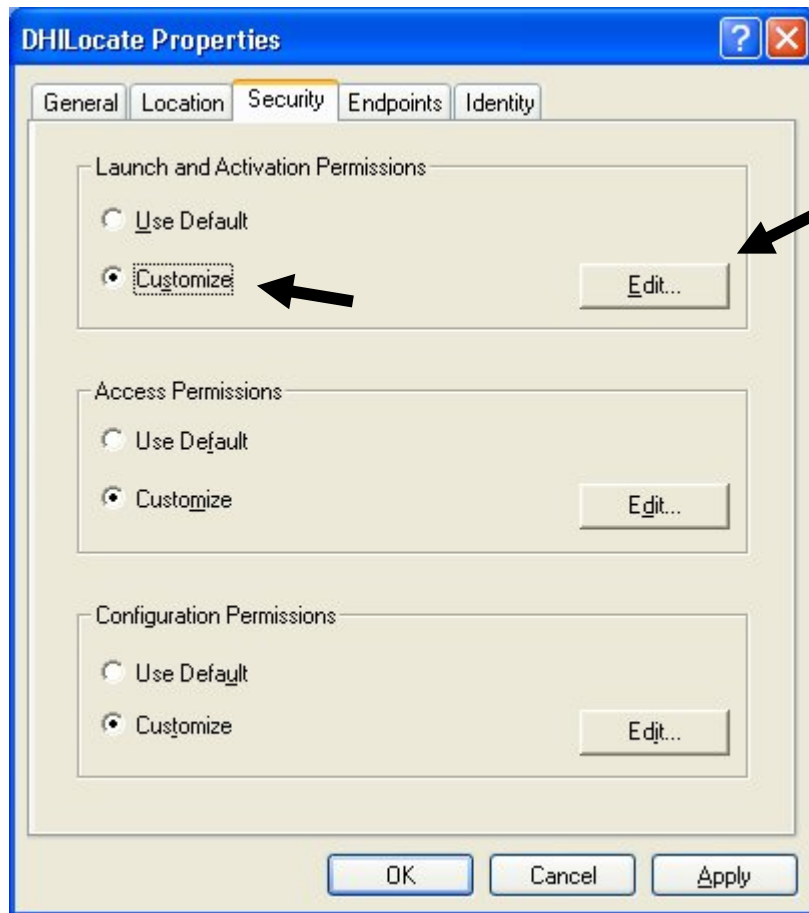
Step 2 Right Click on DHILocate and choose **Properties**. The DHILocate Properties dialog will appear.

Step 3 From the General tab choose Authentication Level **None**.



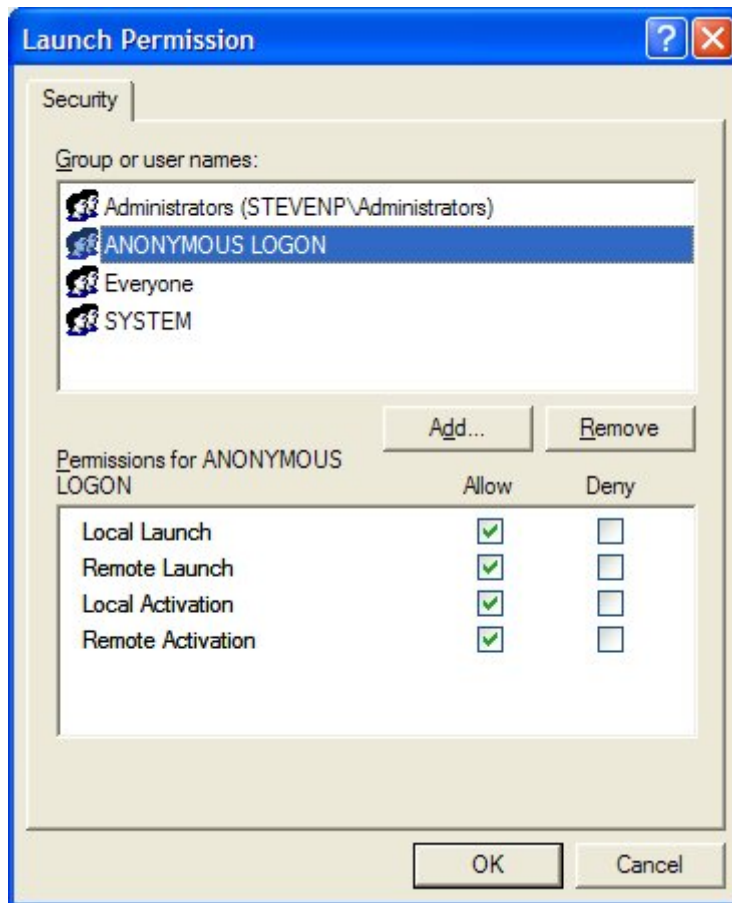
Step 4 Click on **Apply**.

Step 5 Select the Security tab.



Step 6 Select **Customize** for Launch and Activation Permissions.

Step 7 Click the <EDIT...> button associated with this security option. The Launch Permission dialog will appear.

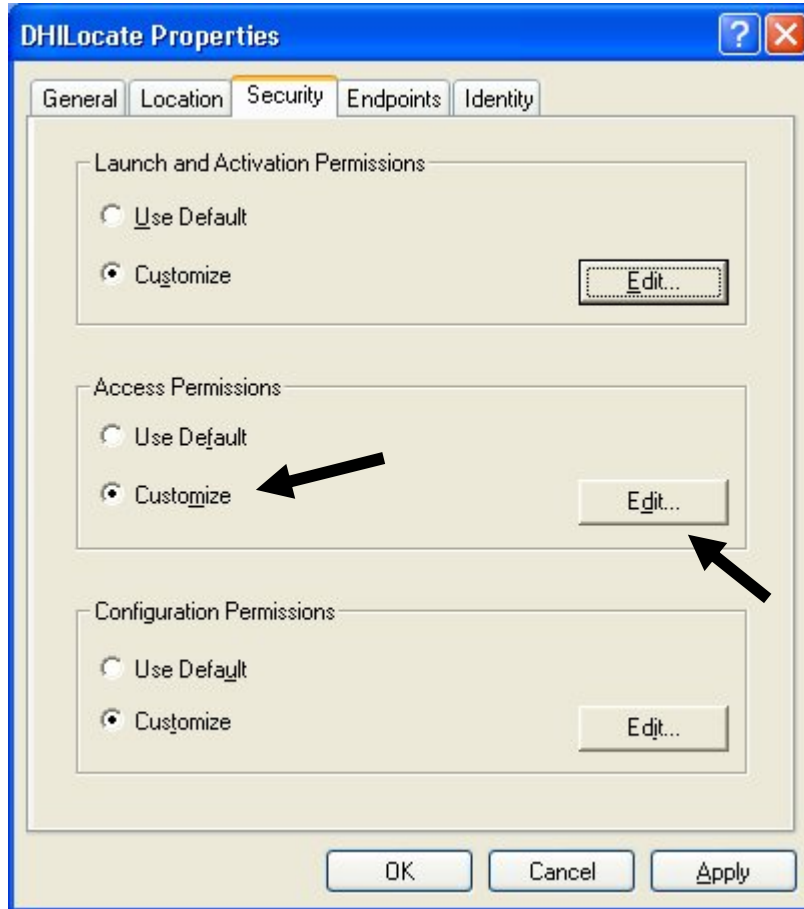


Step 8 Verify that **Anonymous Logon** and **Everyone** are selected. They will be displayed in the Group or user names box. These users/groups must be set up with all "Allow" security.

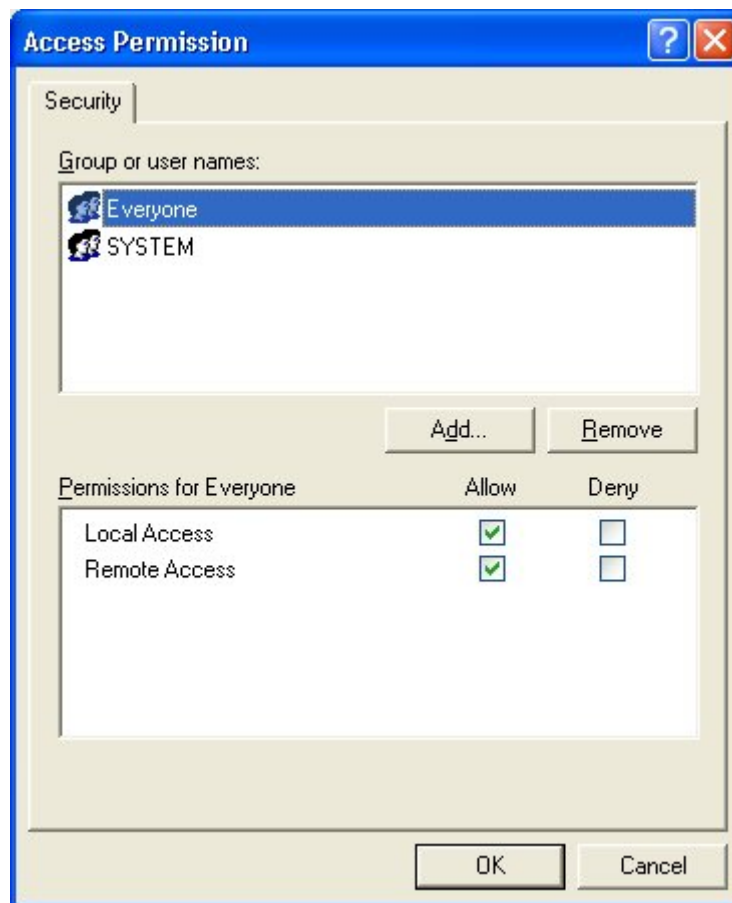
- (Use the <ADD...> button if these users/groups need to be added.) **NOTE:** Any other users/groups that are already selected may remain. You may, however, delete "Interactive" if it is selected.

Step 9 Click **OK** and then **Apply**.

Step 10 Select **Customize** for Access Permissions.



Step 11 Click the <EDIT...> button associated with this security option. The Registry Value Permissions dialog will appear.

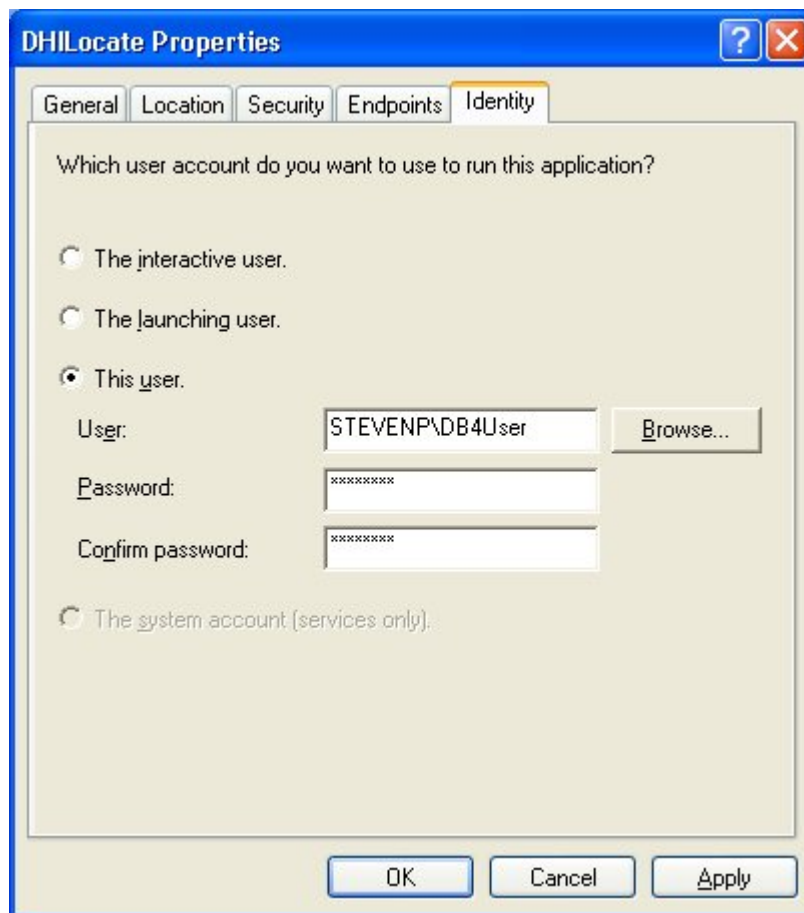


Step 12 Verify that **Everyone** is selected. It will be displayed in the Group or user names box. This user/group must be set up with all "Allow" security.

- (Use the <ADD...> button if this user/group needs to be added.) **NOTE:** Any other users/groups that are already selected may remain. You may, however, delete "Interactive" if it is selected.

Step 13 Click **OK** and then **Apply**.

Step 14 Select the Identity tab.



Step 15 Select "This user" to answer the question, "Which user account do you want to use to run this application?"

Step 16 Click <BROWSE...>. The Browse for Users dialog will appear.

Step 17 Select the DB4User.

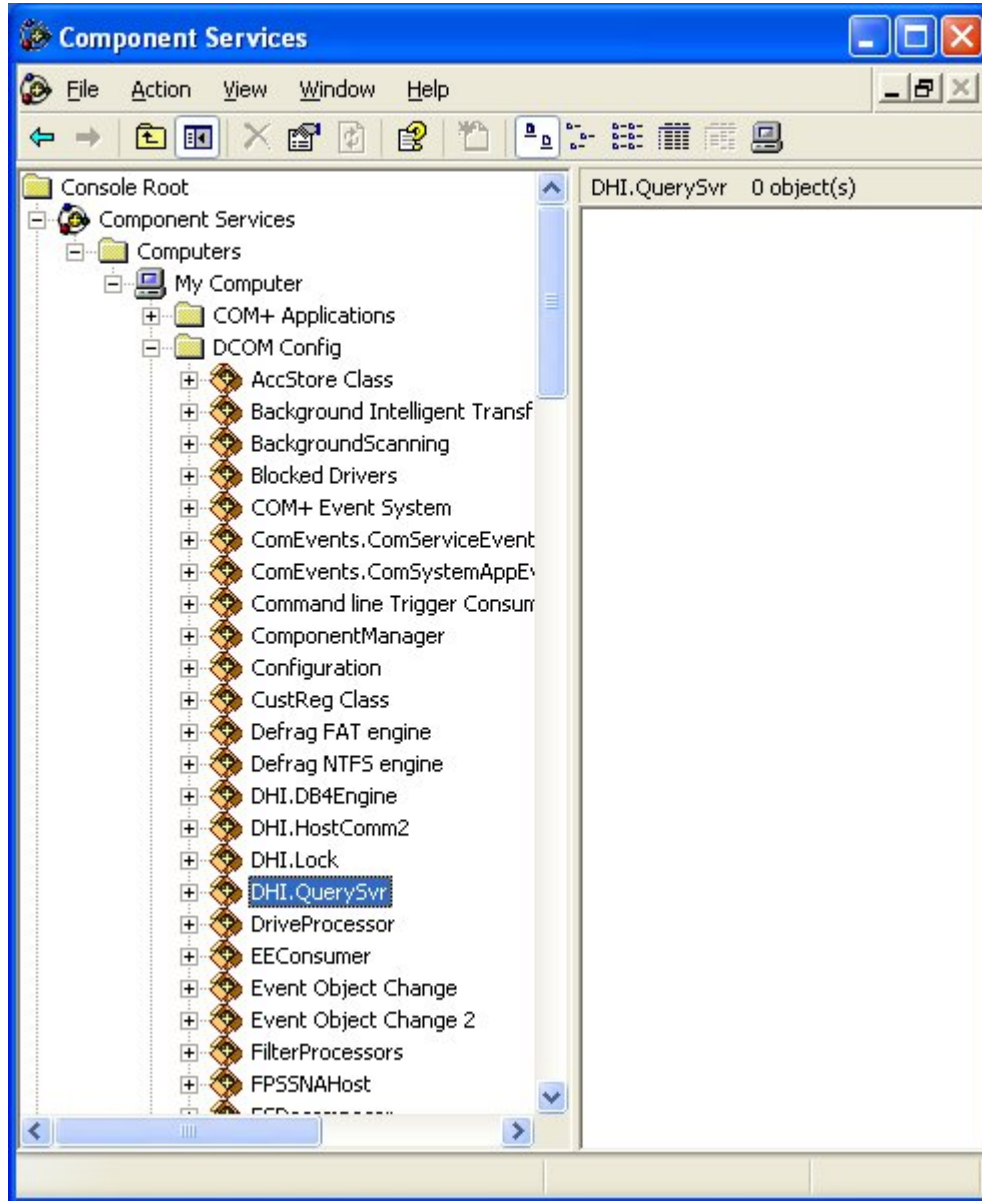
Step 18 Type the password associated with the DB4 user in the **PASSWORD** field.

Step 19 Type the password again in the **CONFIRM PASSWORD** field.

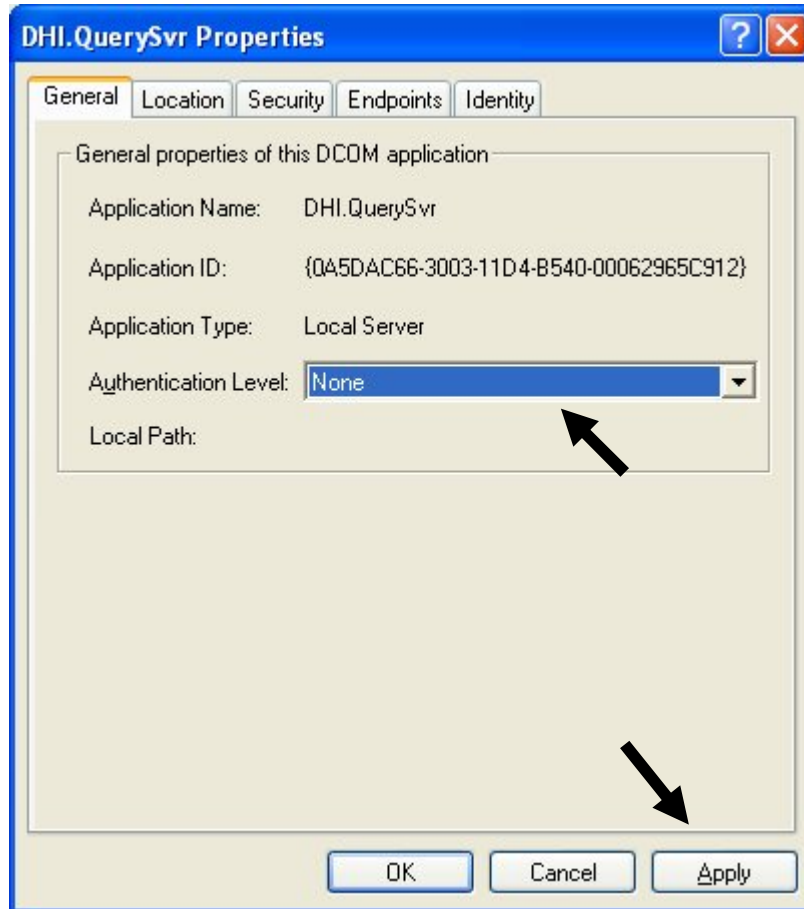
Step 20 Click **Apply** and then **OK**.

DHI.QuerySvr Section (For DB4 Servers that will also support GOLDTrakPC)

- Step 1** Select "DHI.QuerySvr" from the list of available applications.
- Step 2** **Right Click** DHI.QuerySvr and choose **Properties**. The DHI.QuerySvr Properties dialog will appear.

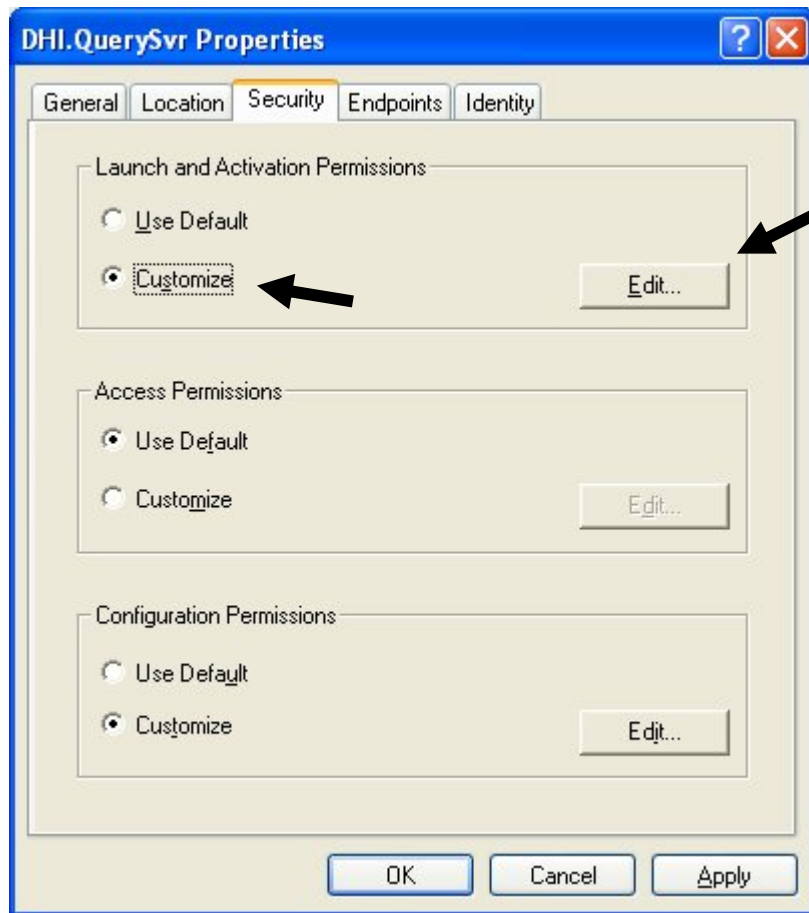


Step 3 From the General tab choose Authentication Level **None**.



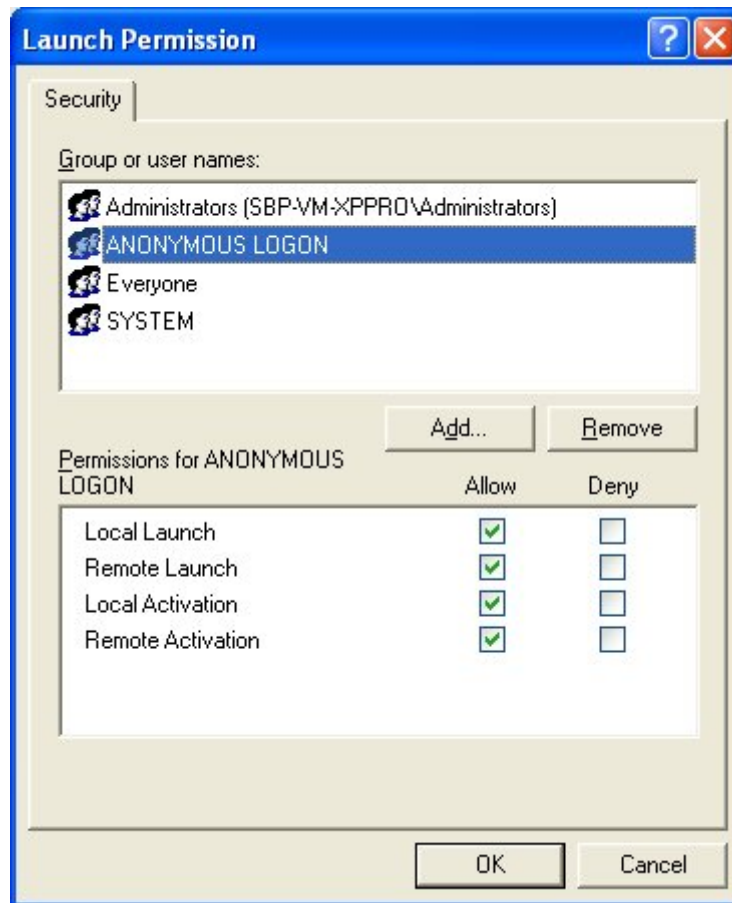
Step 4 Click on **Apply**.

Step 5 Select the Security tab.



Step 6 Select **Customize** for Launch and Activation Permissions.

Step 7 Click the <EDIT...> button associated with this security option. The Launch Permission dialog will appear.

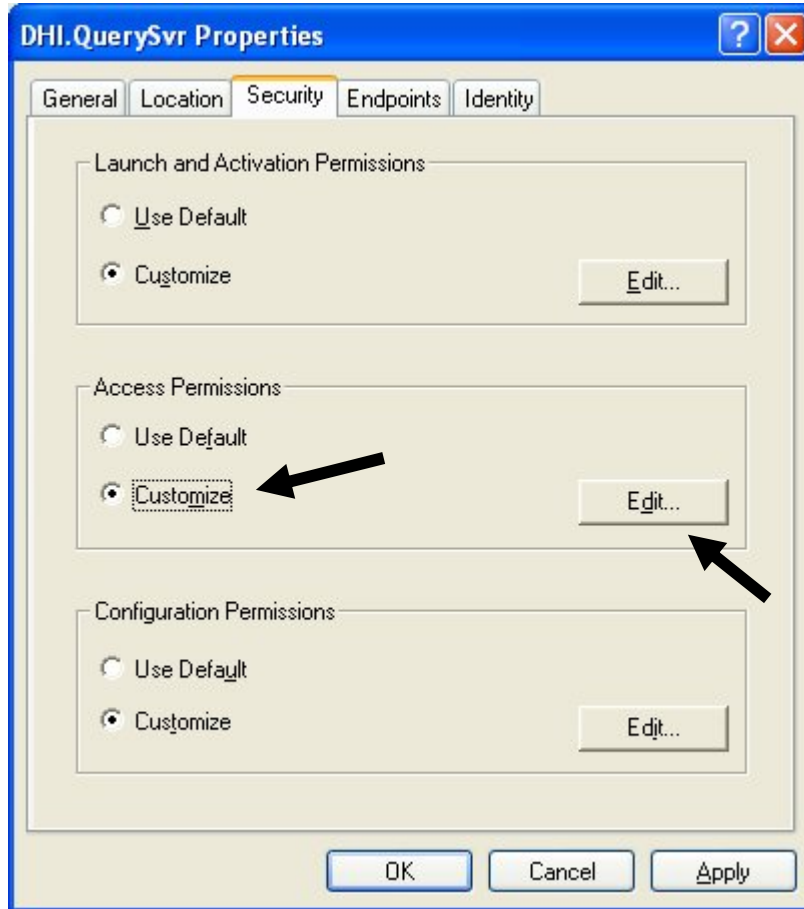


Step 8 Verify that **Anonymous Logon**, **Everyone** and **System** are selected. They will be displayed in the Group or user names box. These users/groups must be set up with all “Allow ” security.

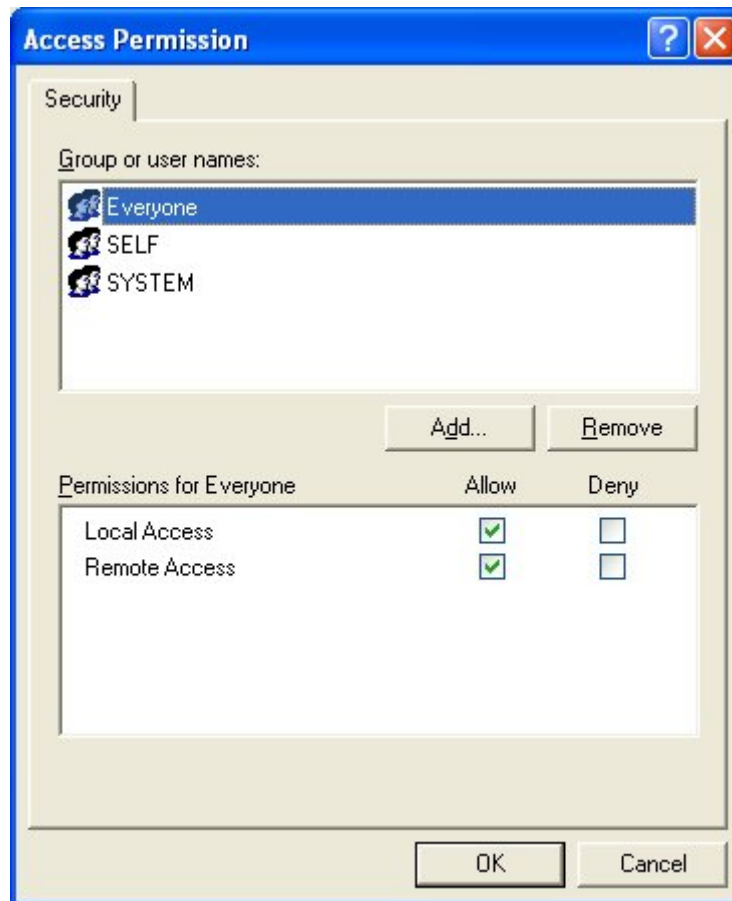
- (Use the <ADD...> button if these users/groups need to be added.) **NOTE:** Any other users/groups that are already selected may remain. You may, however, delete “Interactive” if it is selected.

Step 9 Click **OK** and then **Apply**.

Step 10 Select **Customize** for Access Permissions.



Step 11 Click the <EDIT...> button associated with this security option. The Registry Value Permissions dialog will appear.



Step 12 Verify that **Everyone** and **System** are selected. It will be displayed in the Group or user names box. This user/group must be set up with all "Allow" security.

- (Use the <ADD...> button if this user/group needs to be added.) **NOTE:** Any other users/groups that are already selected may remain. You may, however, delete "Interactive" if it is selected.

Step 13 Click **OK** and then **Apply**.

Step 14 Select the Identity tab.



Step 15 Select “This user” to answer the question, “Which user account do you want to use to run this application?”

Step 16 Click <BROWSE...>. The Browse for Users dialog will appear.

Step 17 Select the DB4User.

Step 18 Type the password associated with the DB4 user in the **PASSWORD** field.

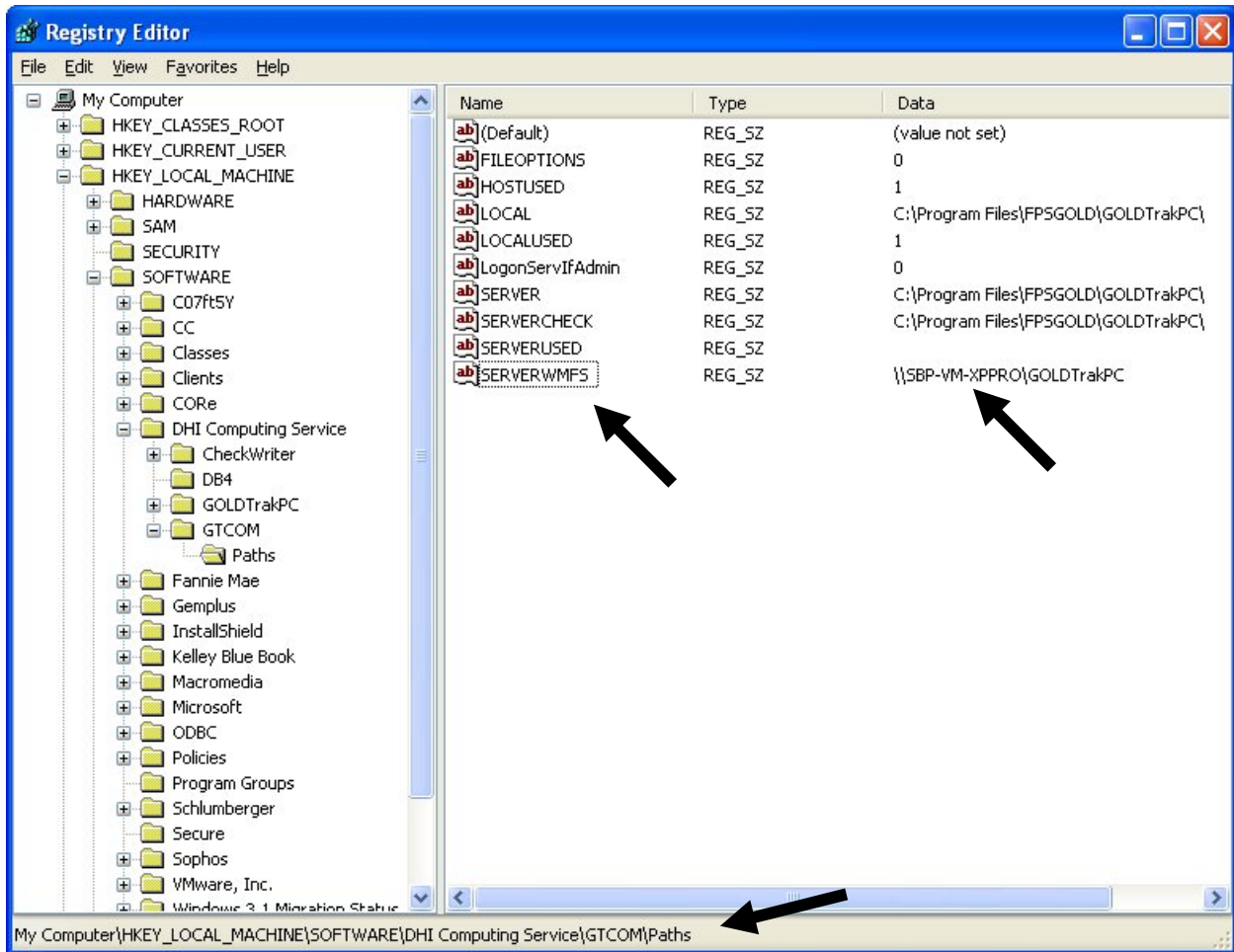
Step 19 Type the password again in the **CONFIRM PASSWORD** field.

Step 20 Click **Apply** and then **OK**.

NOTE: Sometimes the DCOM Configuration dialog will appear stating that “The operation completed successfully.” Click <OK> to return to the desktop. The configuration will be complete.

Generally, a restart of the machine is necessary before the settings will take effect. Do not restart the machine until all steps have been completed.

DB4Server Registry changes for GOLDTrakPC

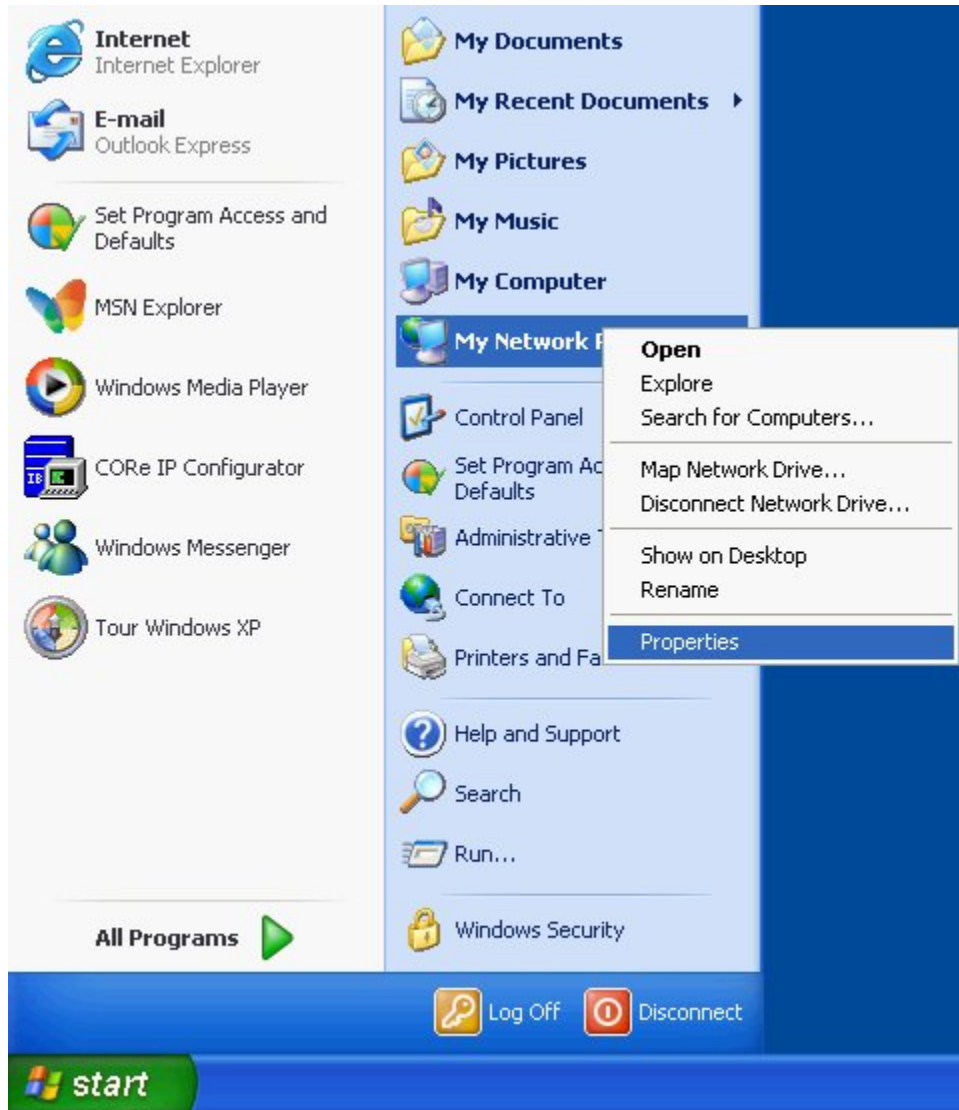


On the DB4 server paths for GOLDTrakPC must be set in the registry as shown above. For SERVERWMFS use your DB4 server name in place of SBP-VM-XPPRO.

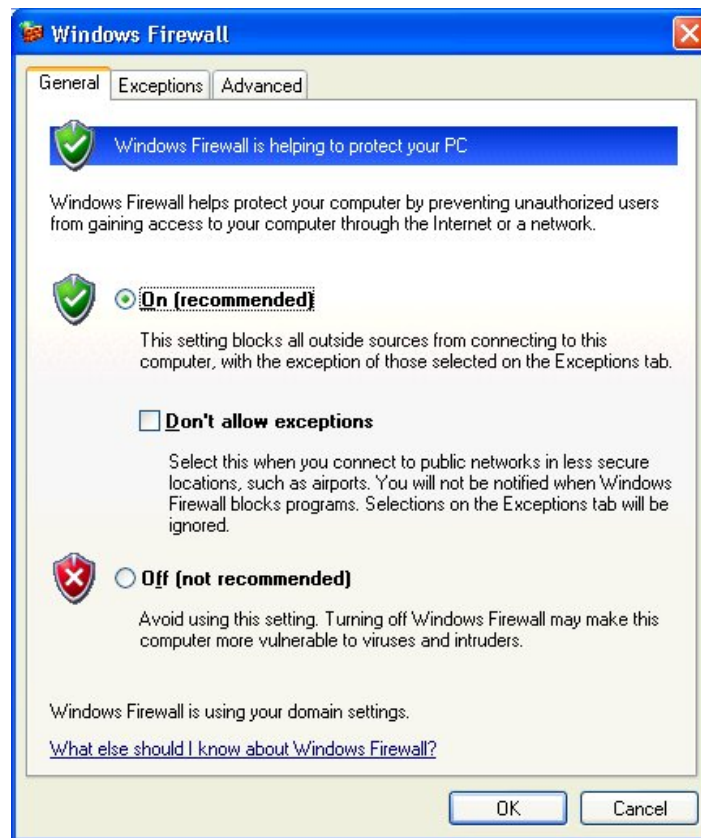
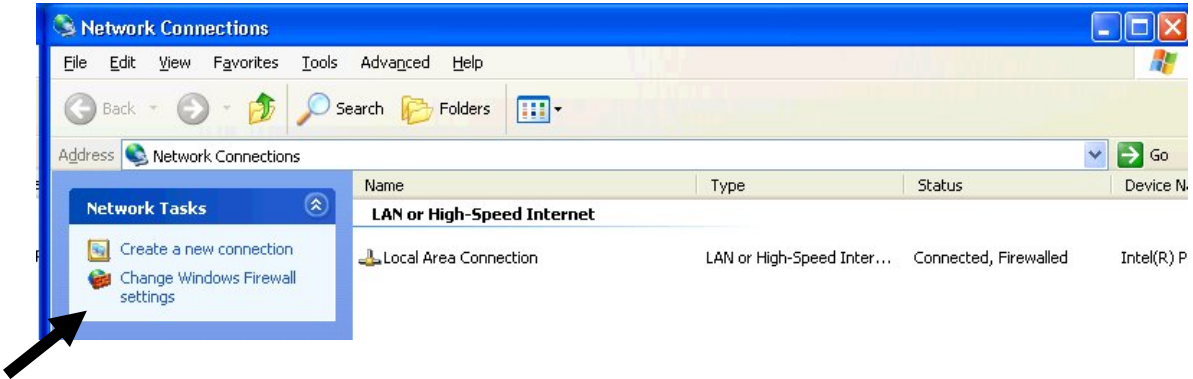
If you have any problems or questions, contact your FPS GOLD customer service representative.

Firewall Exceptions – Windows XP only

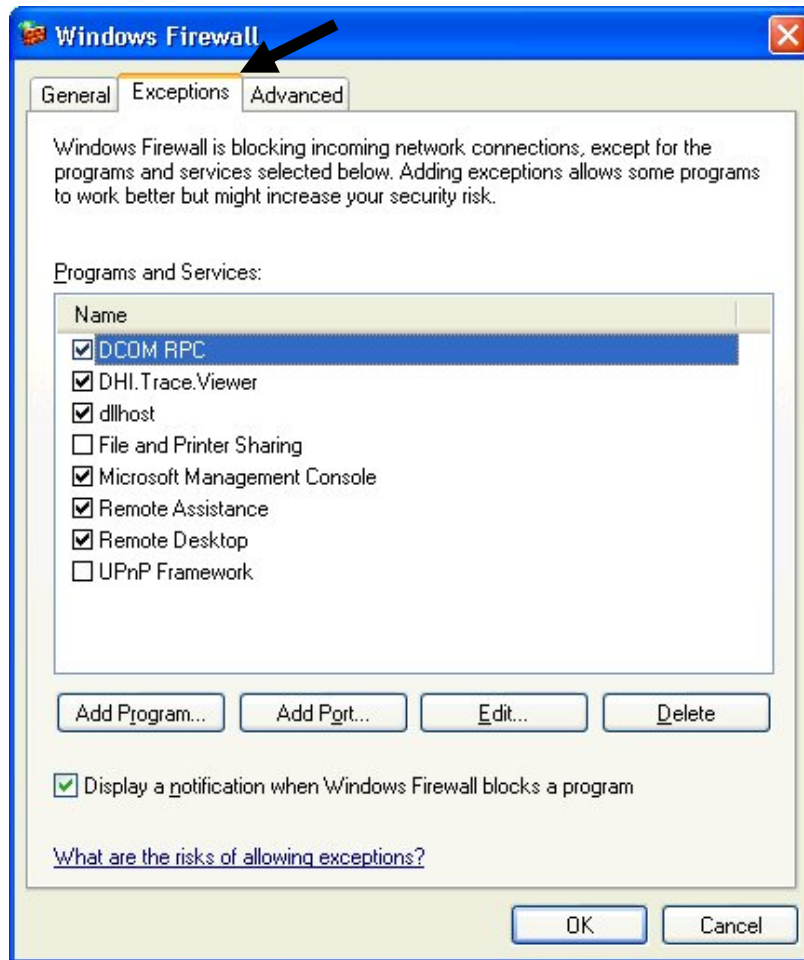
Step 1 Right click on My Network Places and select Properties.



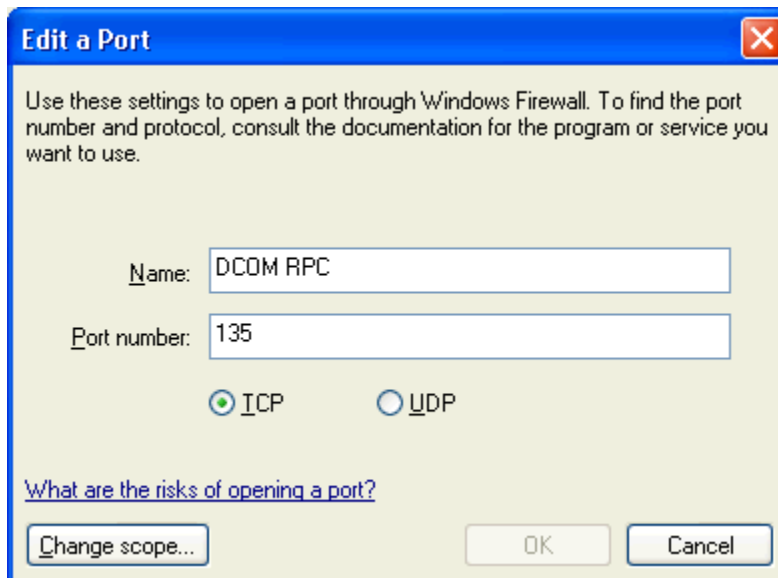
Step 2 Click on the Change Windows Firewall Settings



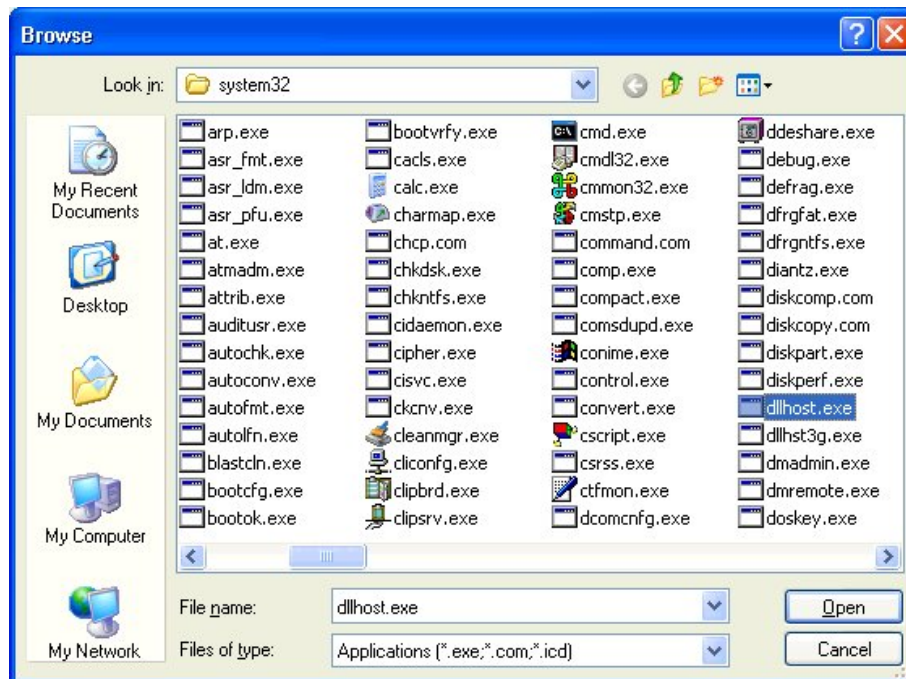
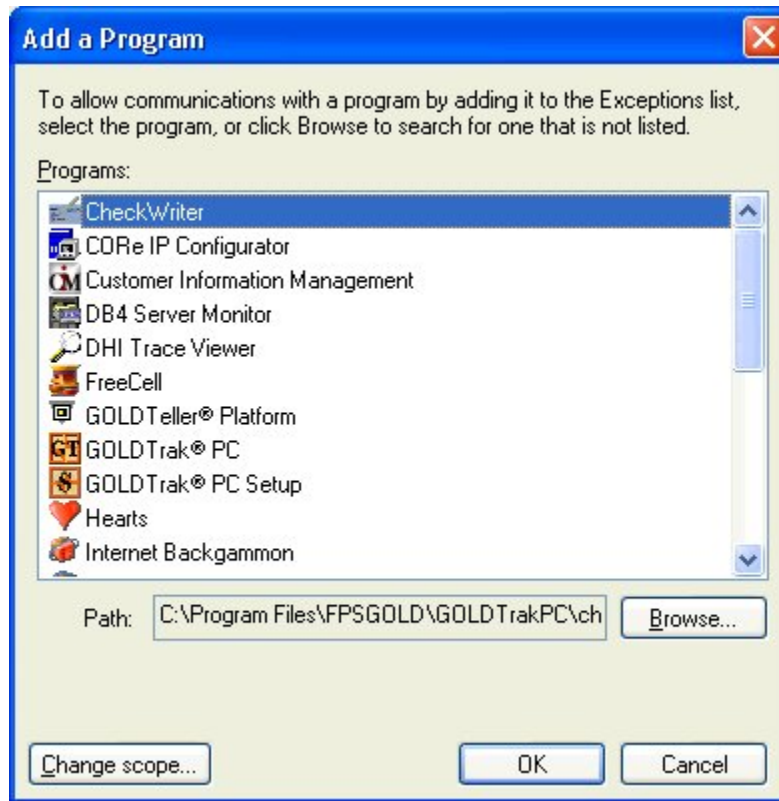
The firewall should be defaulted on. Leave it turned on.
Click on the Exceptions tab.



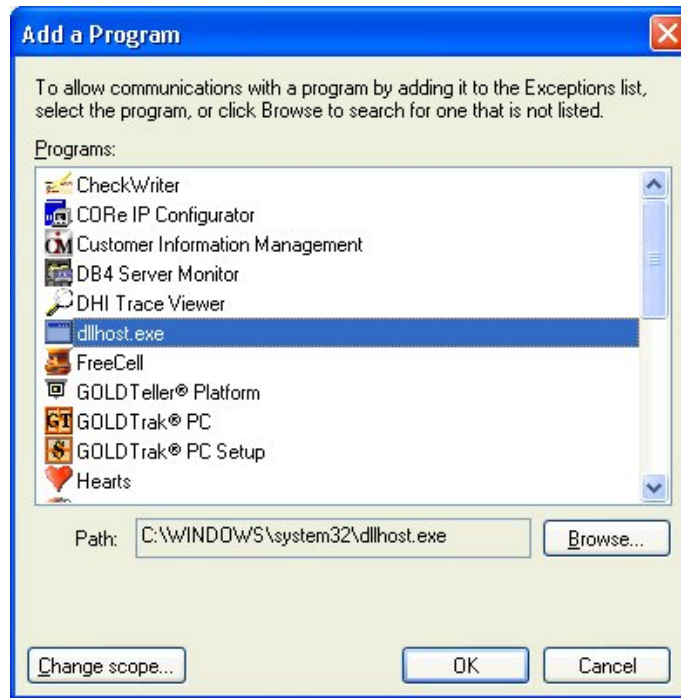
Step 3 You need to add in a Port Exception and a Program Exception. Click on the **Add Port** button and fill out the box for the name DCOM RPC and port 135 as shown below. Click **OK** to add to exceptions.



- Step 4** Click on the **Add Program** to add dllhost.exe to the exception list.
This program is in the **C:\Windows\System32** or **C:\WINNT\System32** folder.
You will need to **Browse** to get to the file.



Click on the **dllhost.exe** file and then click **Open** to select the file.

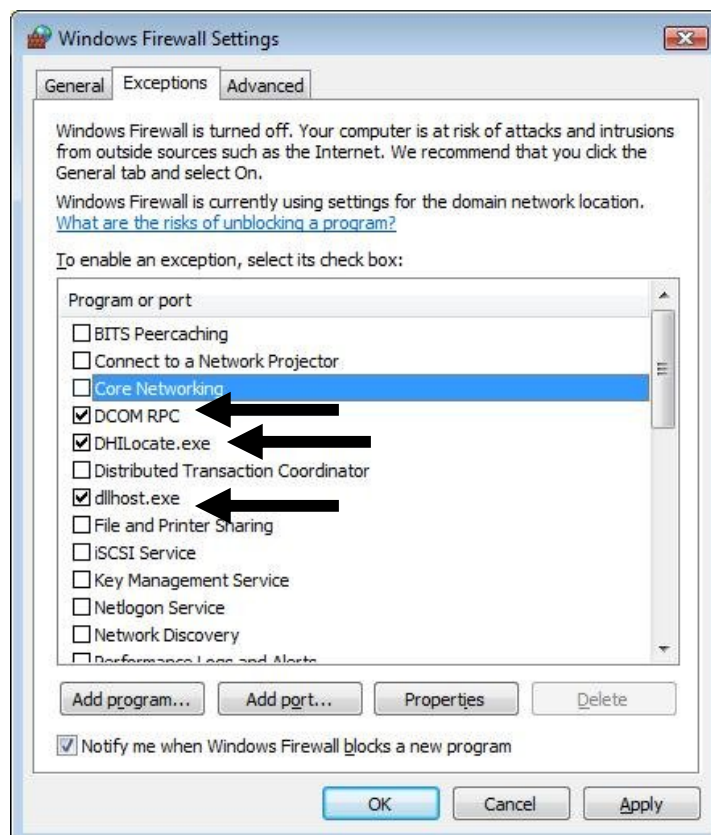


Once dllhost.exe is in your list of programs, select it and click **OK**.

Repeat Step 4 for DHILocate.exe found in C:\Program Files\Common Files\DHI Shared\DHILocate.exe

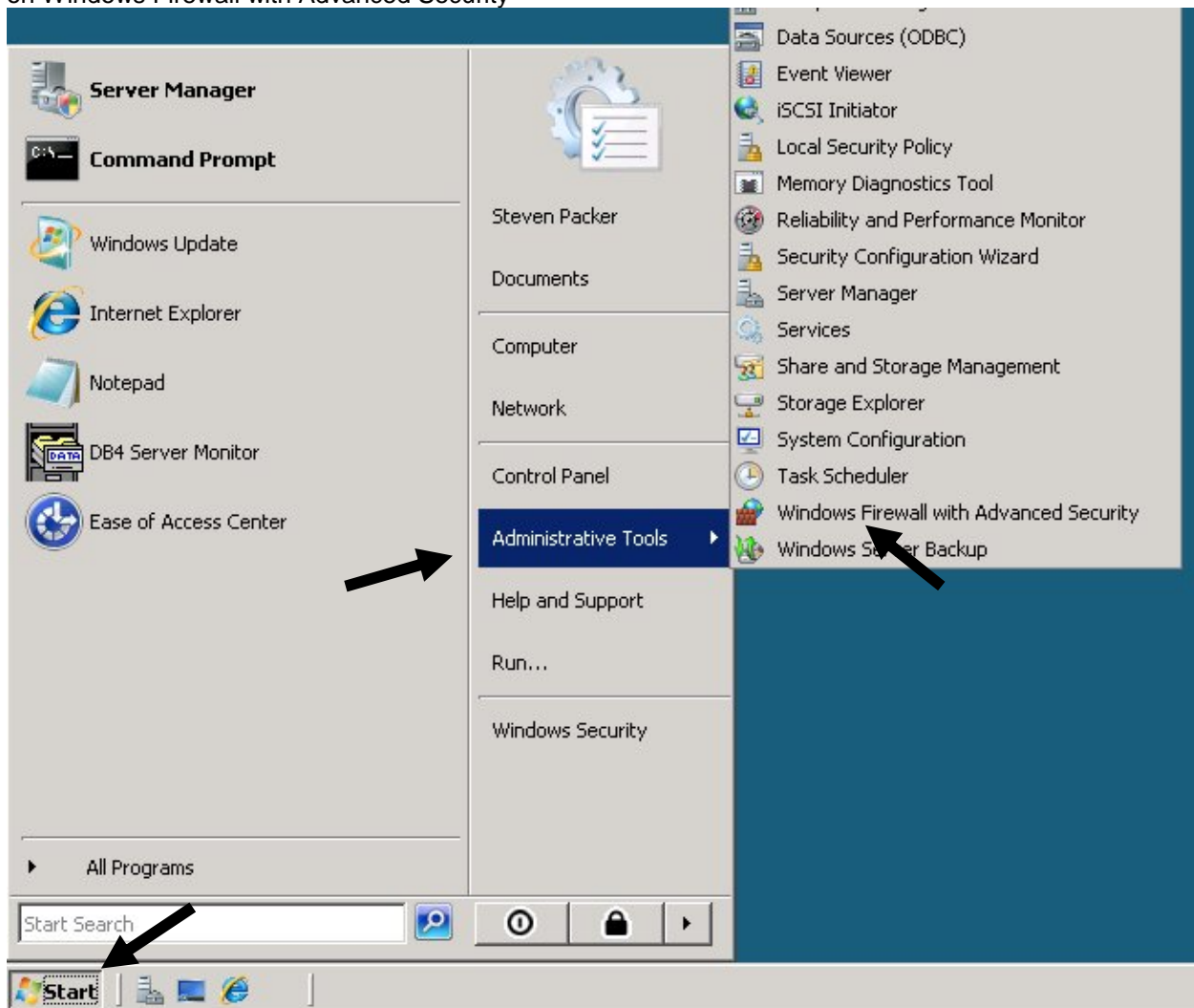
Your list of exceptions should now include dllhost.exe, DHILocate.exe and a DCOM RPC (port 135) exceptions

Step 5 Click **OK** on your firewall settings to save all firewall settings.

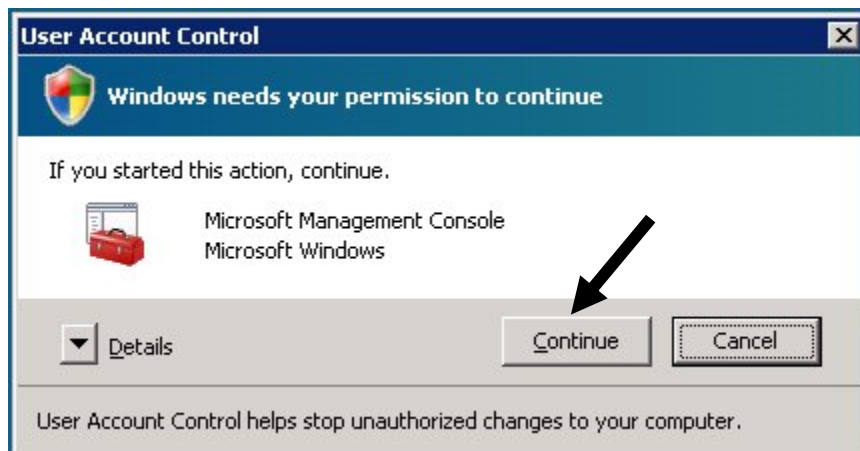


Firewall Exceptions – Windows 2008 Server

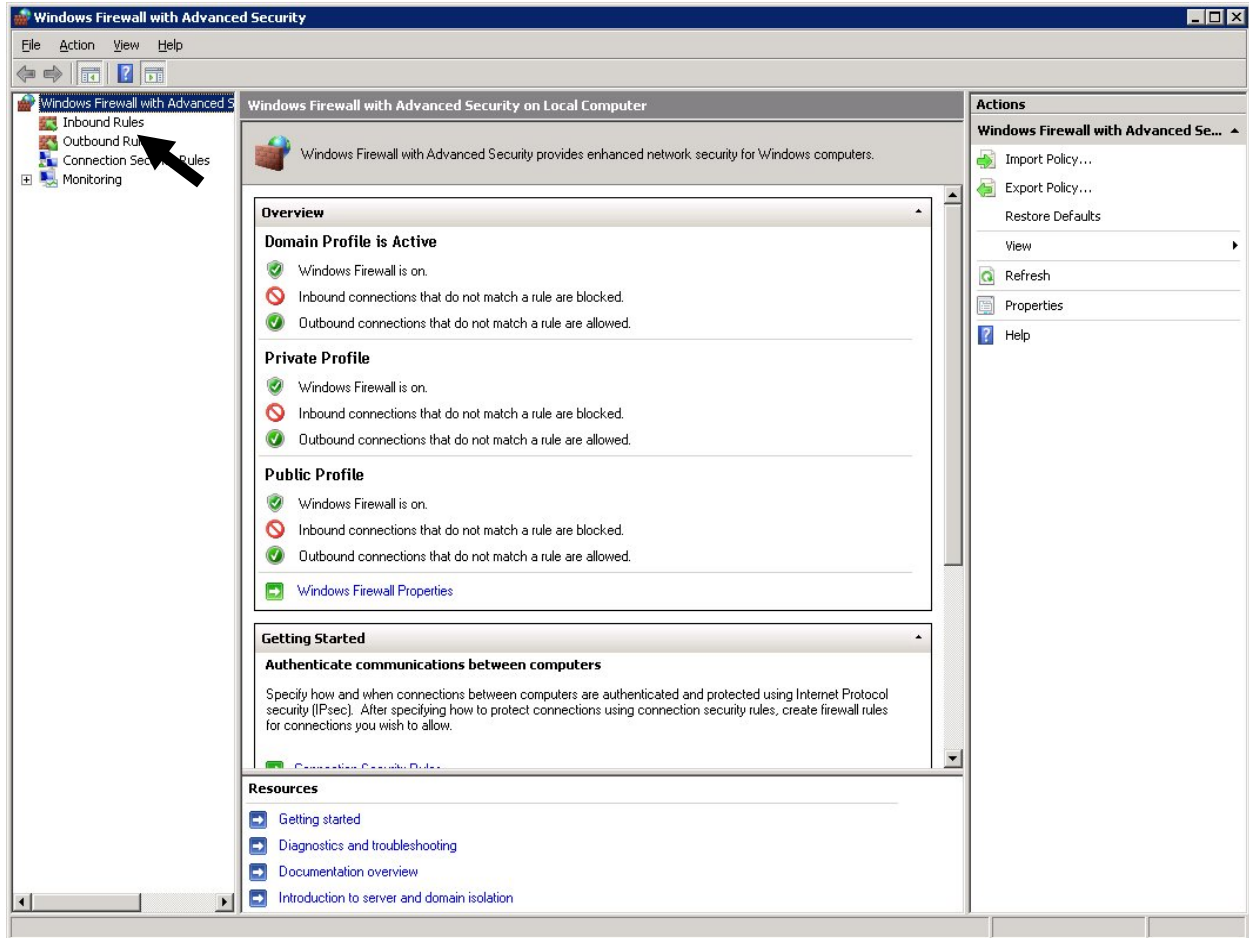
Step 1 Under Administrative Tools (usually found by clicking on Start or by going to Control Panel) click on Windows Firewall with Advanced Security



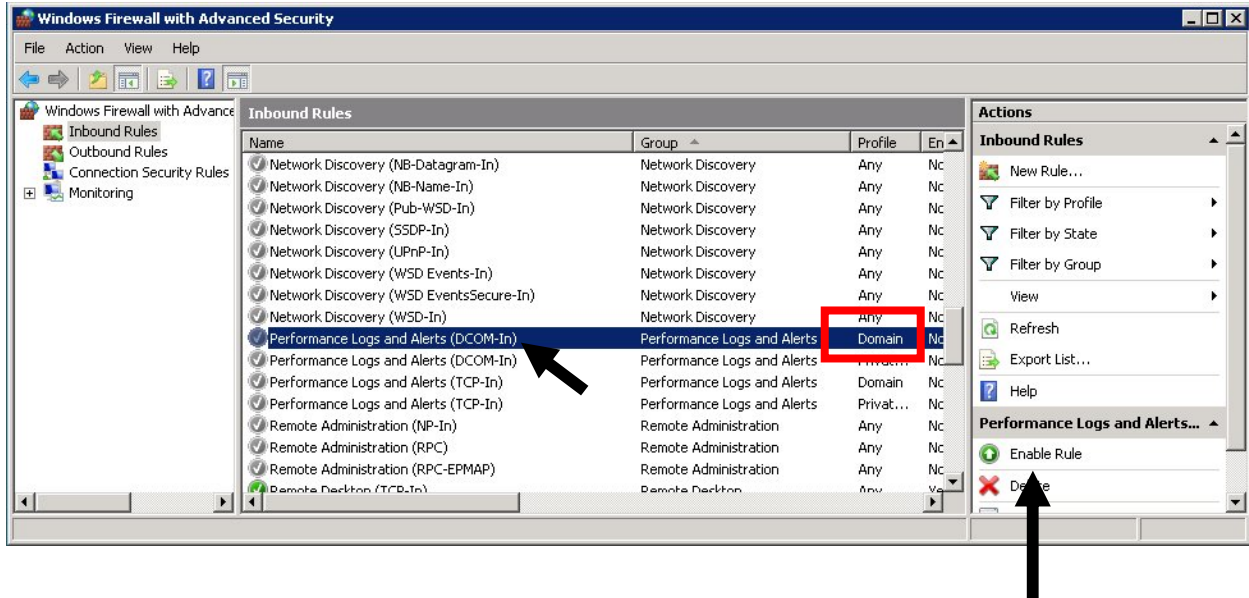
You may get the following Window. Click on Continue to bring up the Firewall Settings.



Step 2 Click on Inbound Rules

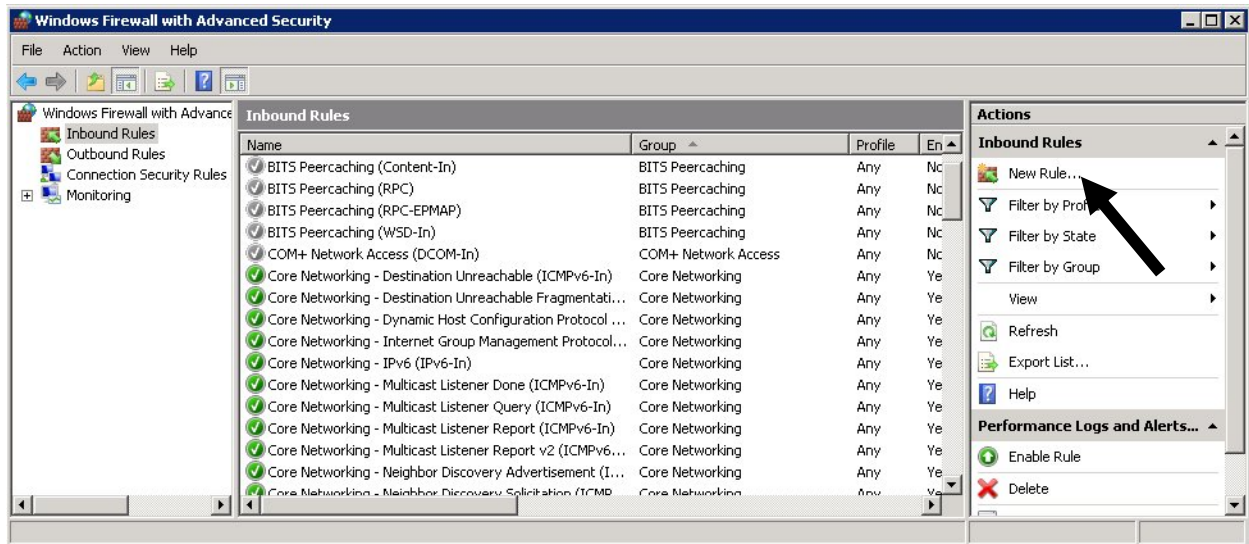


Step 3 Scroll down to find Performance Logs and Alerts (DCOM-In) Under the Domain Profile

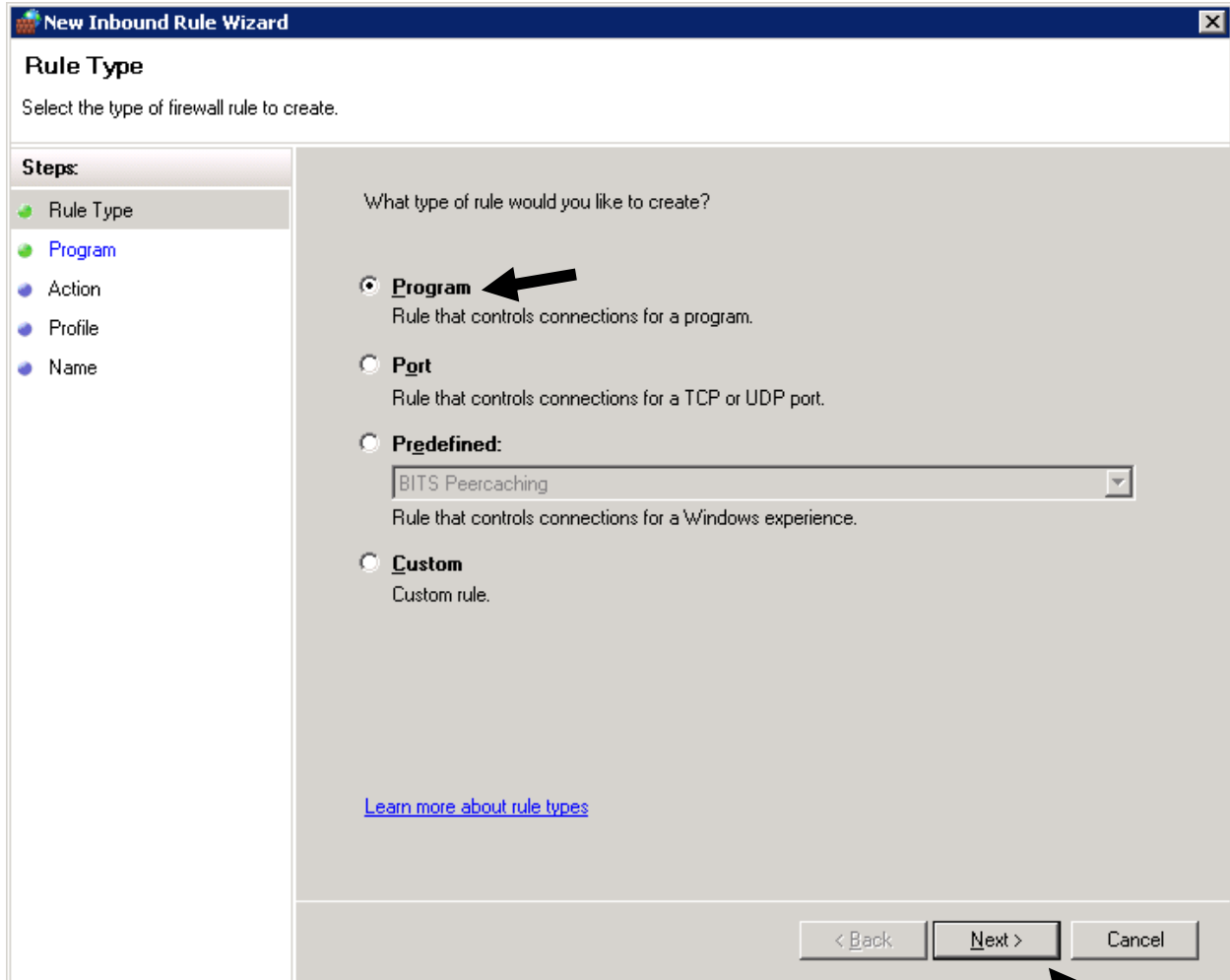


Step 4 Click on the Performance Logs and Alerts (DCOM-In) and then click on Enable Rule.

Step 5 Click on New Rule.



Step 6 Choose Program Rule type and Click Next.



Step 7 Choose This Program Path: and Browse to

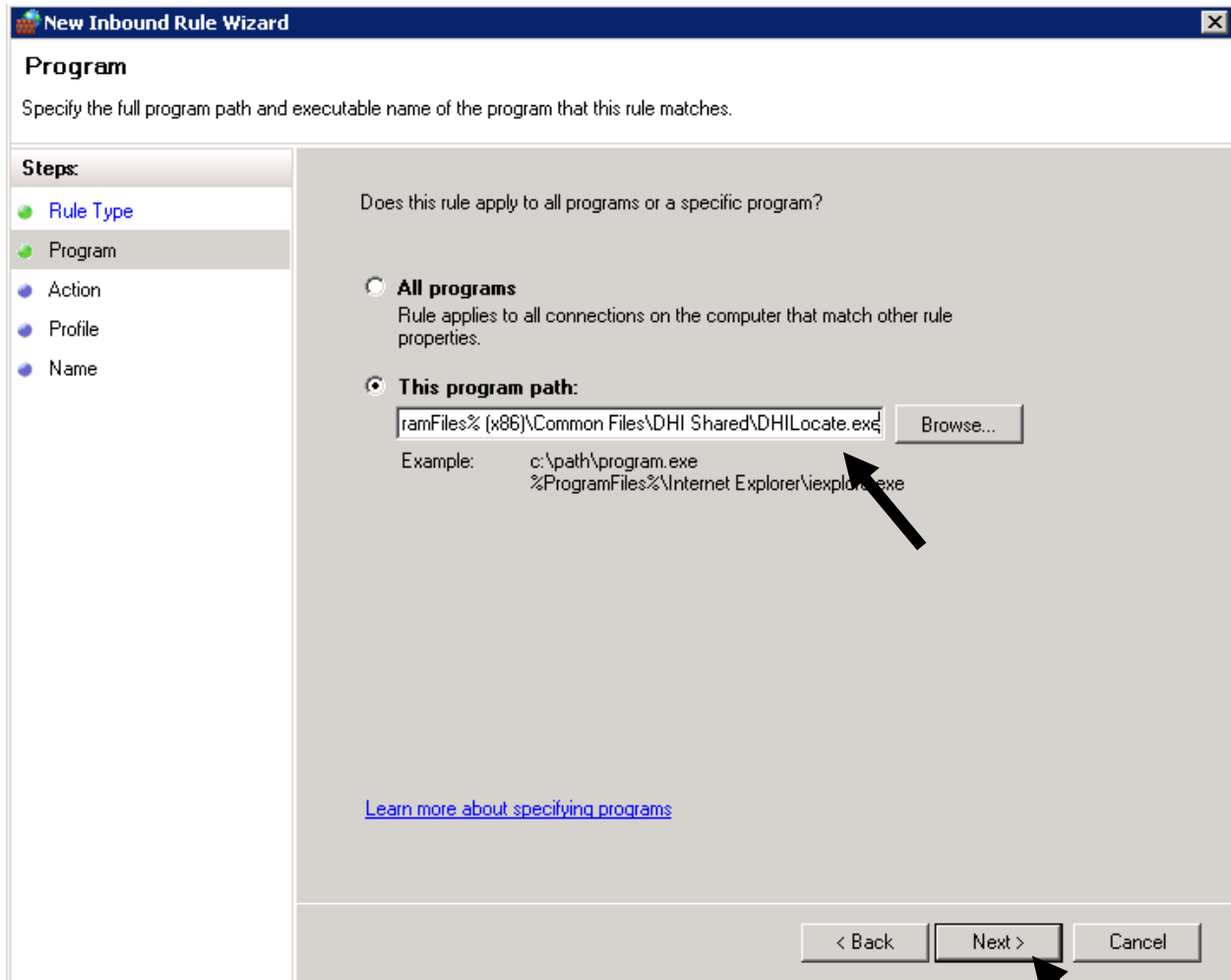
64 Bit Operating system

C:\Program Files (x86)\Common Files\DHI Shared\DHIlocate.exe

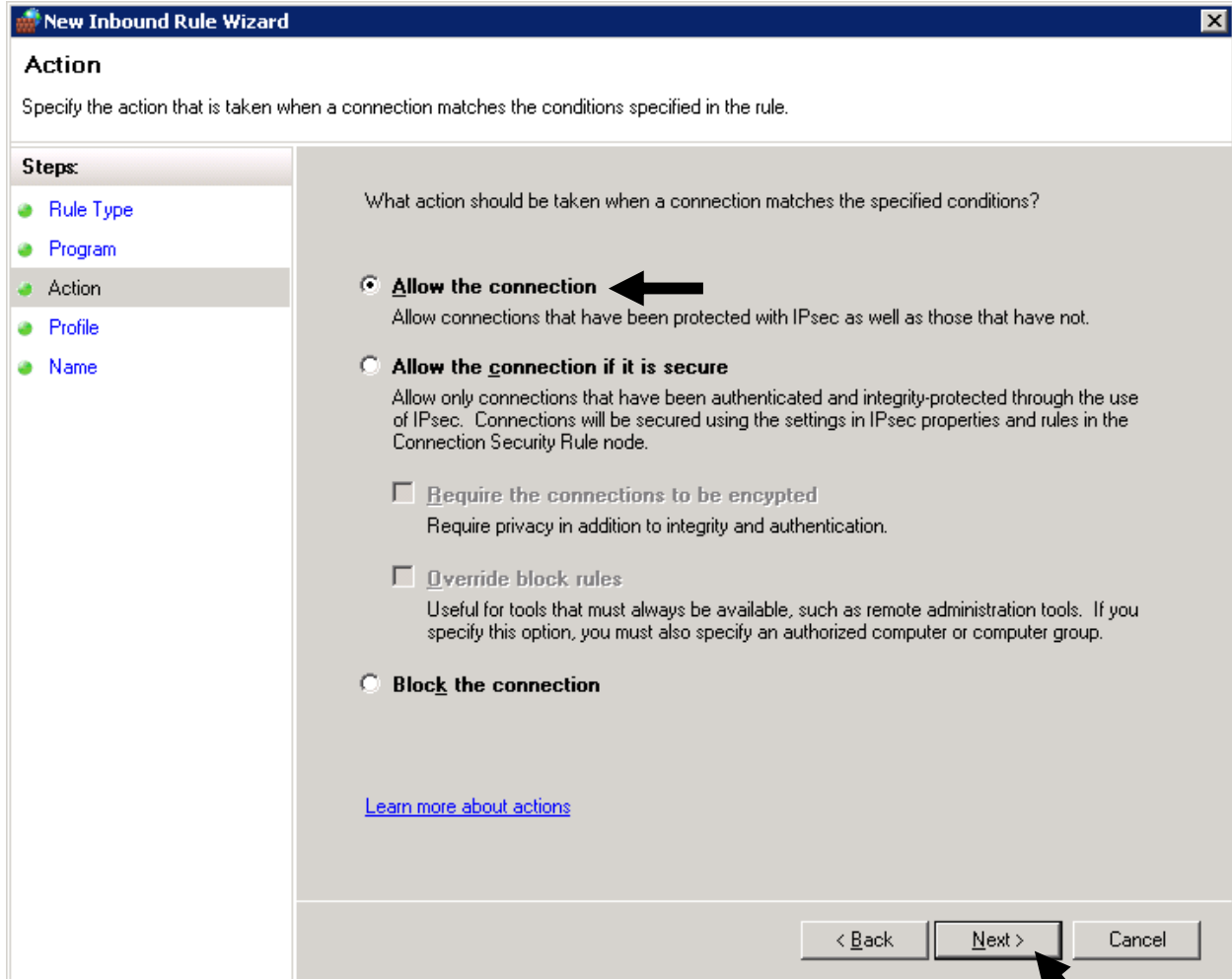
32 Bit Operating system

C:\Program Files\Common Files\DHI Shared\DHIlocate.exe

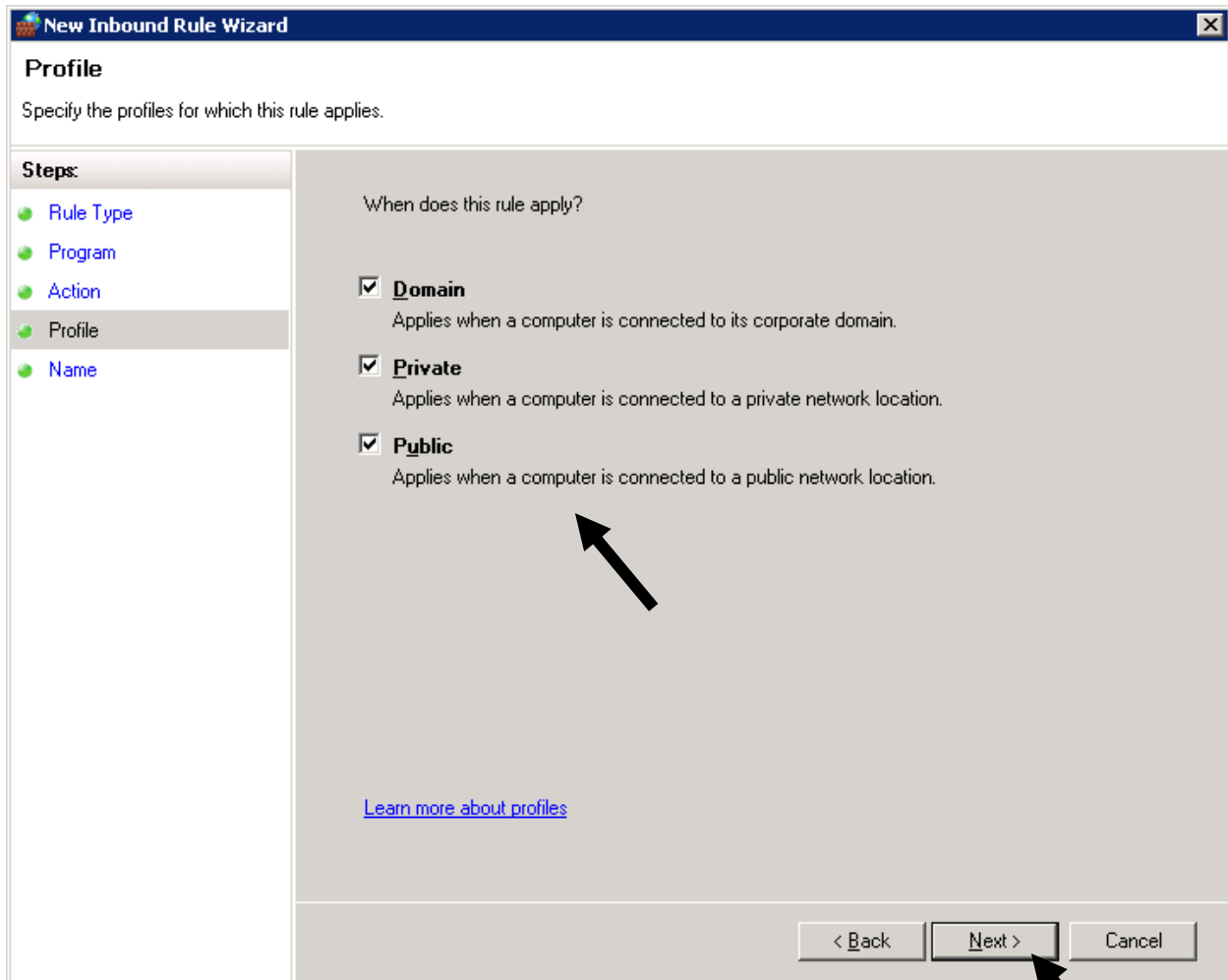
Click Next



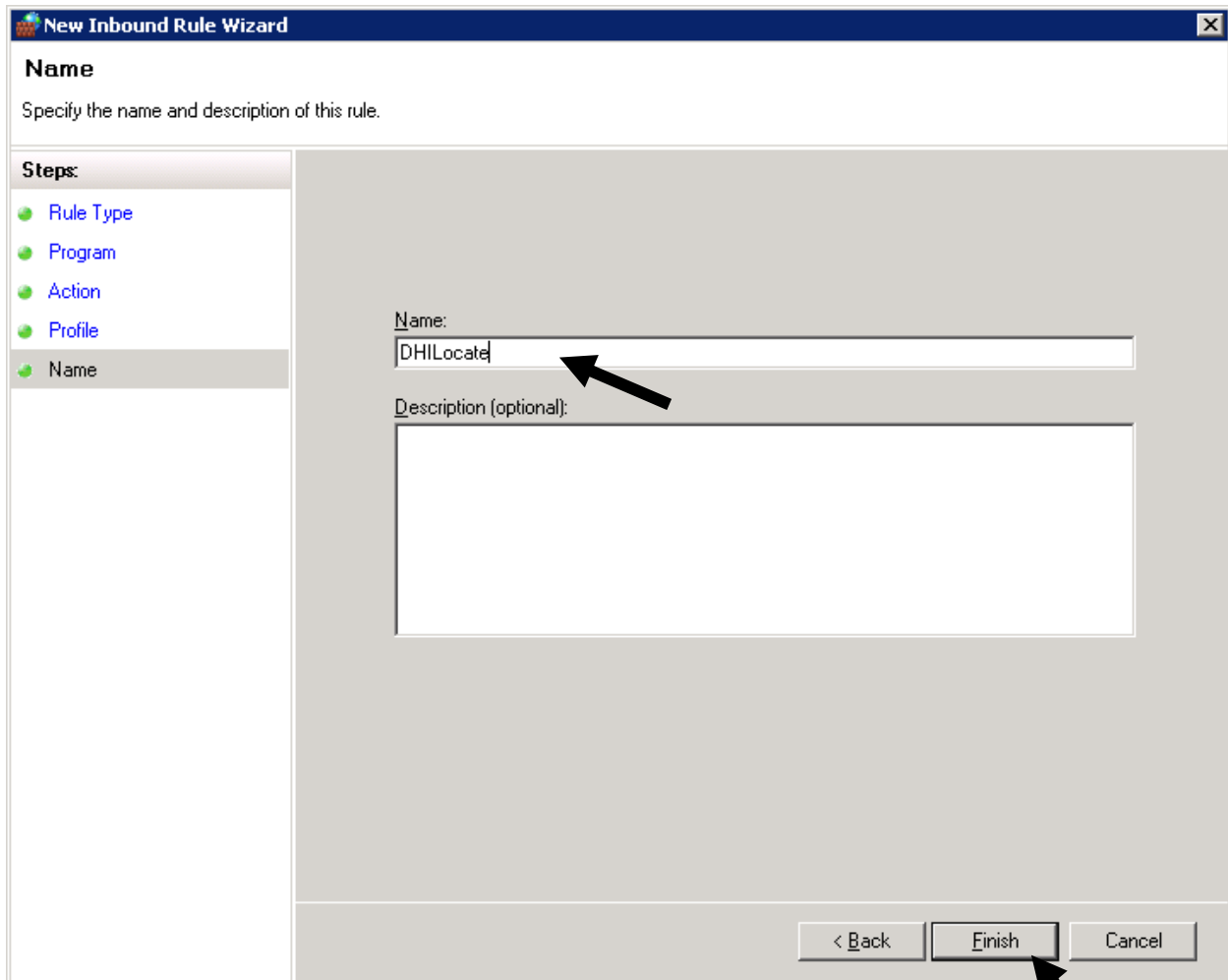
Step 8 Choose Allow the connection and Click Next



Step 9 Choose Domain, Private and Public (all checked is the default) for When does this rule apply?
Click Next

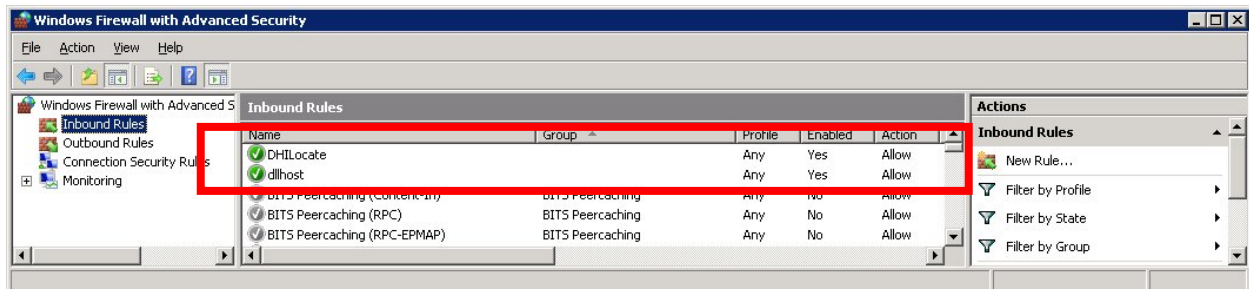


Step 10 Give the rule a name, usually the name of the program you are adding as an exception.
Click Finish



Step 11 Repeat Steps 5 – 10 for the program dllhost.exe.
For Step 7 you will find the program in
64 Bit Operating system
 C:\Windows\SysWOW64\dllhost.exe
32 Bit Operating system
 C:\Windows\System32\dllhost.exe

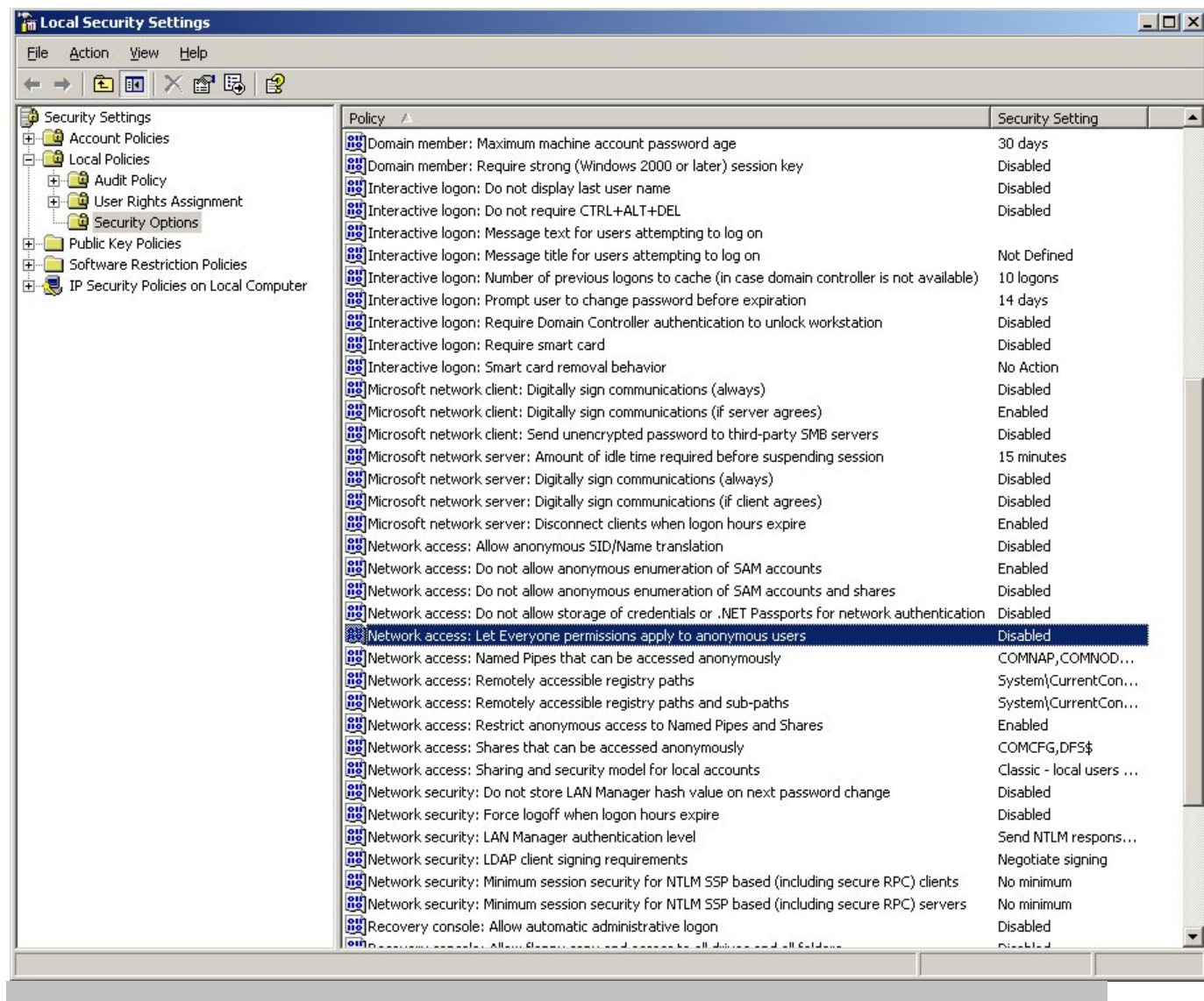
You should see something like the following when you have finished adding the Program Exceptions



This step is not usually necessary

For Windows Server 2003 SP1 Only

Go to Administrative Tools. Click on Local Security Policy, Local Policies, Security Options. Find "Network access: Let Everyone permissions apply to anonymous users" Double click and click on **Enable** then click **Apply** and then click **OK**.



For Windows 7

If you have setup a Windows 7 machine as a DB4 Server and as a Client Machine the following will need to be added to the Registry.

HKEY_LOCAL_MACHINE\SOFTWARE\DHI Computing Service\DB4

Key: LocalOutProc

Value: The Name of the DB4 Server Machine

