

**Description:** How to setup DCOM on a Windows XP Operating System when PCs are in a Domain on the Local Area Network. Please see additional application node if PCs are in a Workgroup.

**OS Requirement:** Windows XP with SP1.

**General Requirement:** In order to communicate OPC data between different PCs via DCOM in a **Domain**, the following requirements apply:

- Windows XP PCs must have SP1 installed.
- User must logon to the local PC using the Domain account (username and password). User must have administrative privileges to the local PC to change DCOM settings.
- The password **must not** be blank or “admin”.

**To setup DCOM on Windows XP follow the steps given below:**

For GENESIS32 Applications to communicate via DCOM it is necessary to allow permissions (Access and Launch) for specific users. This application note explains how to setup DCOM on a Windows XP Operating System.

1. Click on **Start – Run** and type in “**DCOMCNFG**” as shown in the figure below:

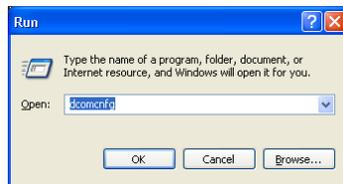


Figure 1

2. The **Component Services** window opens up. Expand Console Root and you will see 3 items in the tree. Expand Component Services and you will see “**My Computer**” listed. **Highlight** My Computer, **Right-Click** and **Select** the **properties** to set the DCOM properties. **My Computer Properties** window will open up with 6 tabs on it. We are interested in only 2 tabs. Click on the **Default Properties** tab, and match the properties as shown in the figure below:

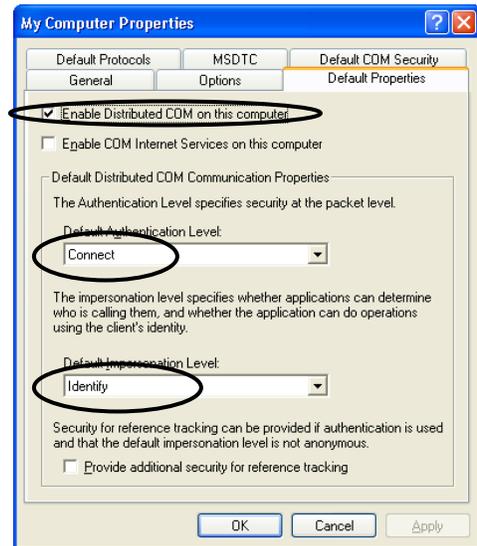


Figure 2

3. Next we have to add user permissions to the Default Security. So click on the **Default COM Security** tab. The window will appear as shown below:

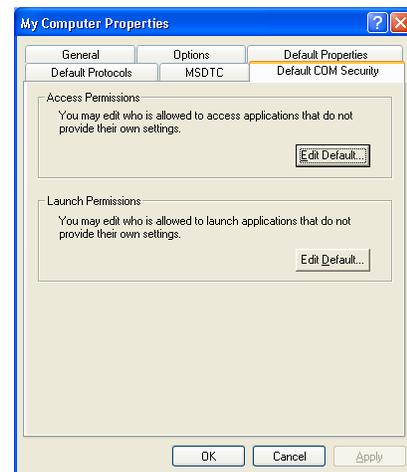


Figure 3

4. Make changes to both Access Permissions and Launch Permissions. Click on **Edit Default for Access Permission** and the **Access Permissions** window will open up as shown in the figure below. Make sure the Access Permissions Window show the following entries: **Interactive, Network and System, Domain Admins and Domain Users**. If these entries are not shown by default, click on the **Add...** button and then on **Advanced** to add them to the list.

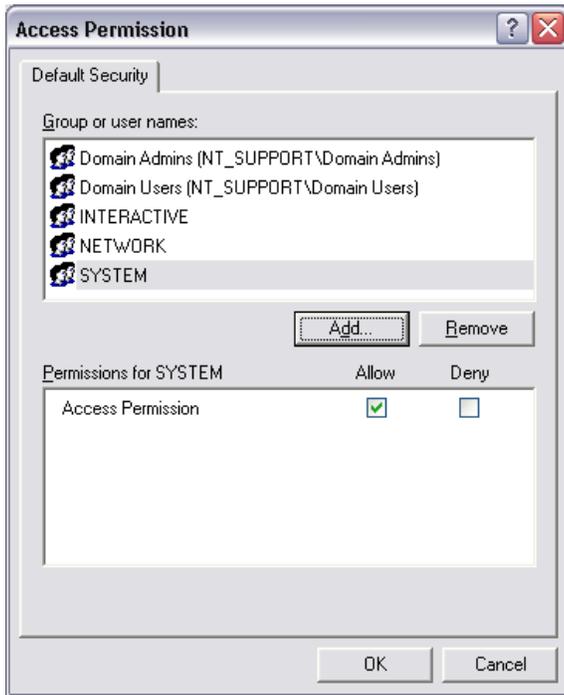


Figure 4

5. Repeat Step 4 for the **Launch Permissions**. Refer to figure 3 & 4. Close the My Components Properties window.

### Final changes in the Local Security Settings

Windows XP has advanced security features compared to Windows NT/2000

6. Click on **Start/Control Panel/Administrative Tools** and open the **Local Security Settings** window. Expand the tree view and **select Security Options** in the left hand pane as shown in the figure below.

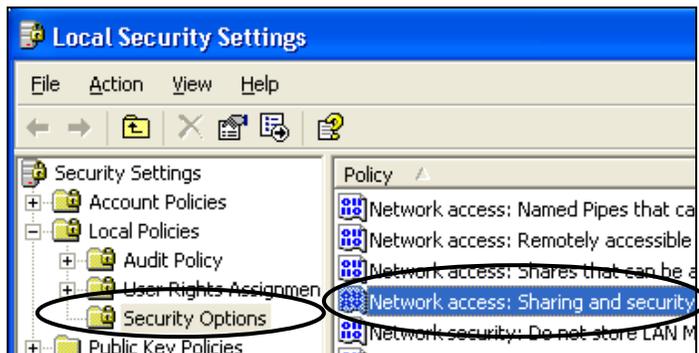


Figure 5

7. In the right hand pane, scroll down and select **Network Access: Sharing and security settings for local accounts**. **Right-mouse click** and select **Properties**. Select **Classic - local users authenticate as themselves**. Close the local security settings window.
8. **Reboot the PC** and login with user name and password. Please refer to OS requirements and General Requirements on page 1 of this document to make sure everything is correct.