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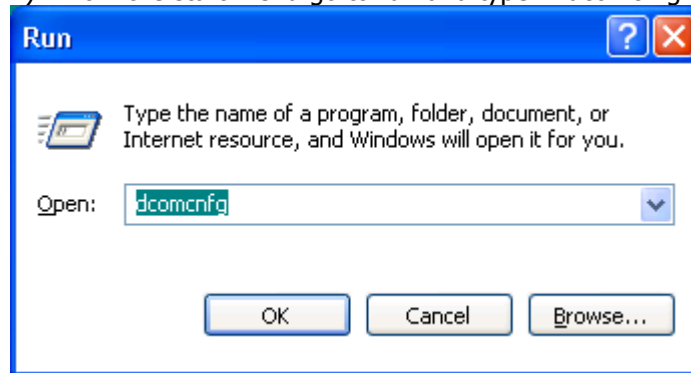
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# Windows XP DCOM Configuration For OPC

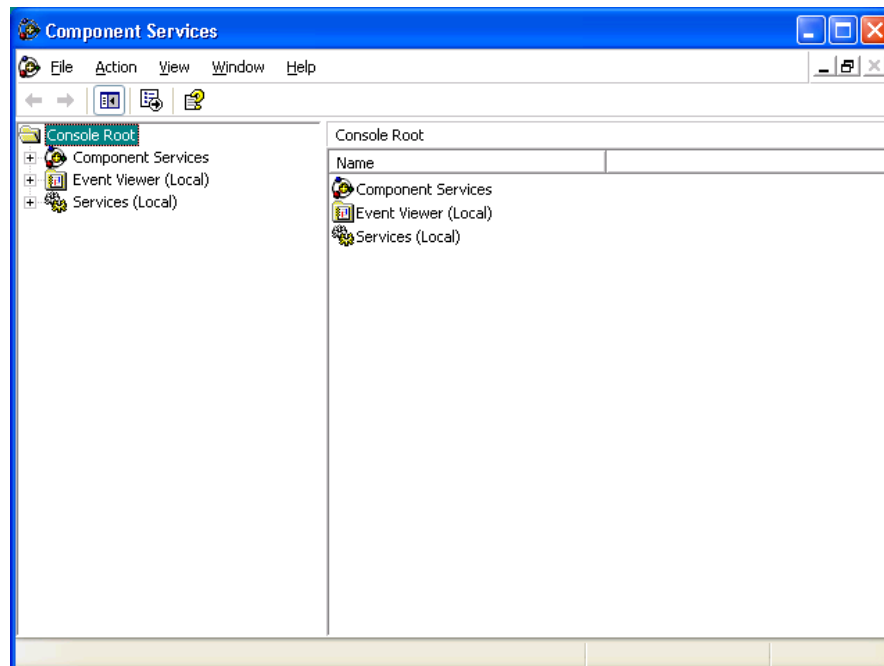
**NOTE:** These directions will open up DCOM to all users.

**NOTE:** These steps are used to make sure that communication can be established. After these steps have been followed to establish communication, DCOM permissions can be tightened to allow only the necessary users.

1) From the start menu go to run and type in dcomcnfg.



2) Component Services Dialog.



CANADA  
Edmonton, Alberta  
Calgary, Alberta  
Fort McMurray, Alberta  
Vancouver, British Columbia  
Toronto, Ontario  
Quebec City, Quebec

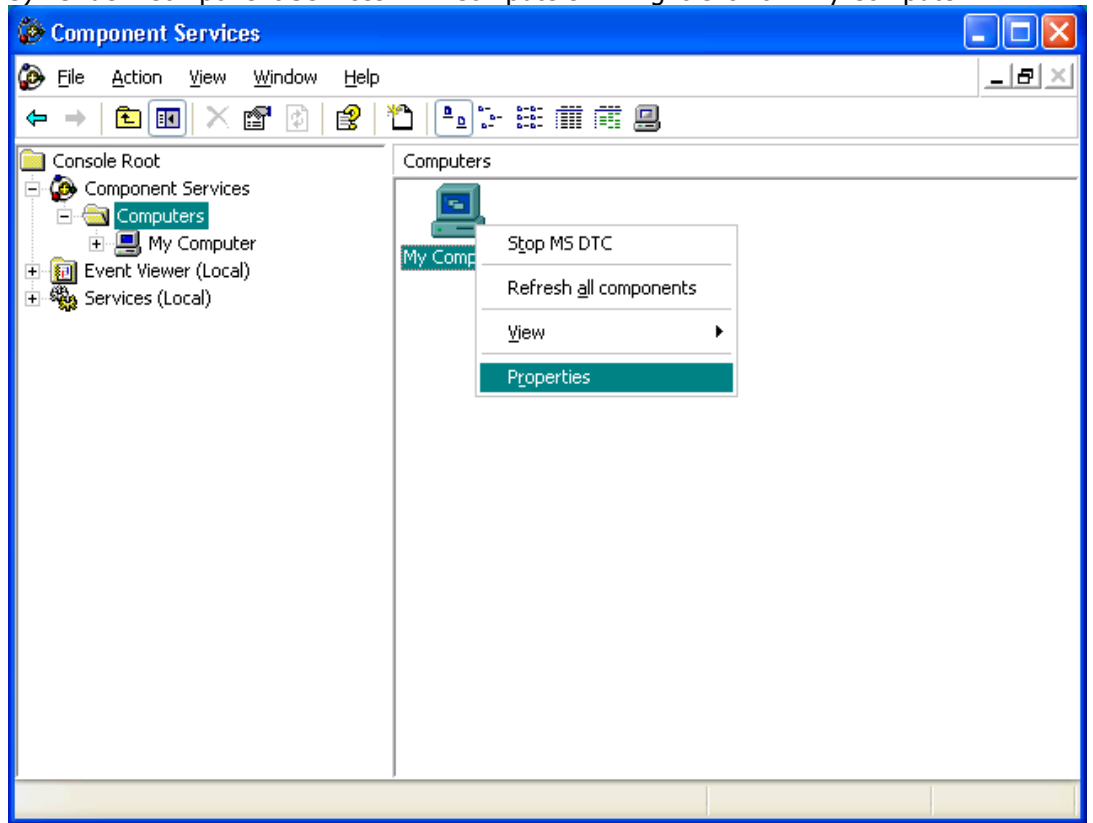
AUSTRALIA  
Newcastle, New South Wales  
Brisbane, Queensland  
Gladstone, Queensland  
Melbourne, Victoria  
Perth, Western Australia

USA  
St. Louis, Missouri  
Houston, Texas  
New York, New York

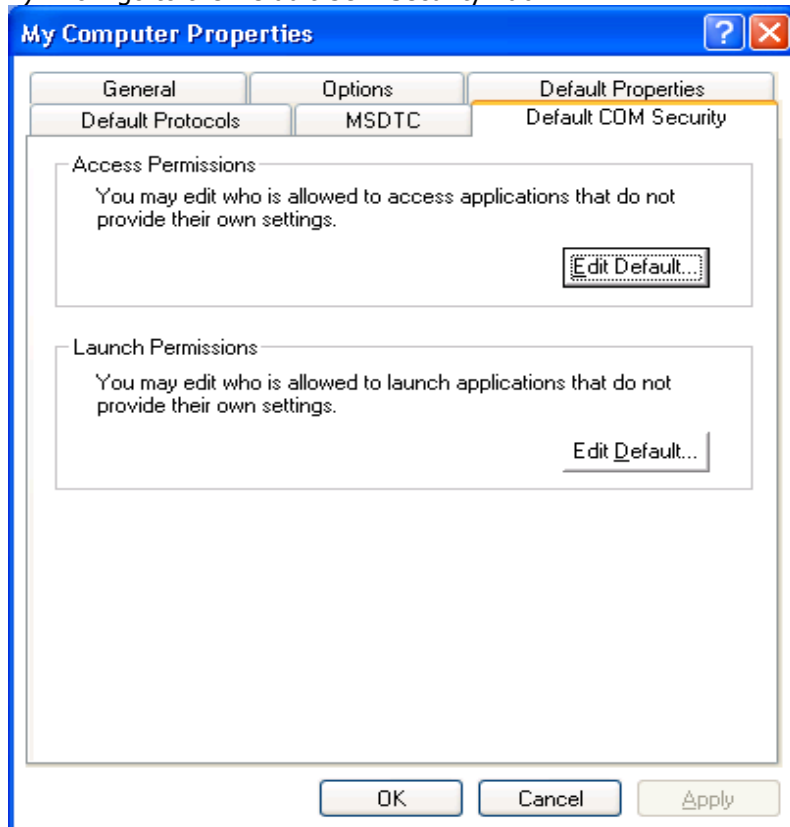
EUROPE  
Aberdeen, Scotland

MIDDLE EAST  
Al Khubar, Saudi Arabia

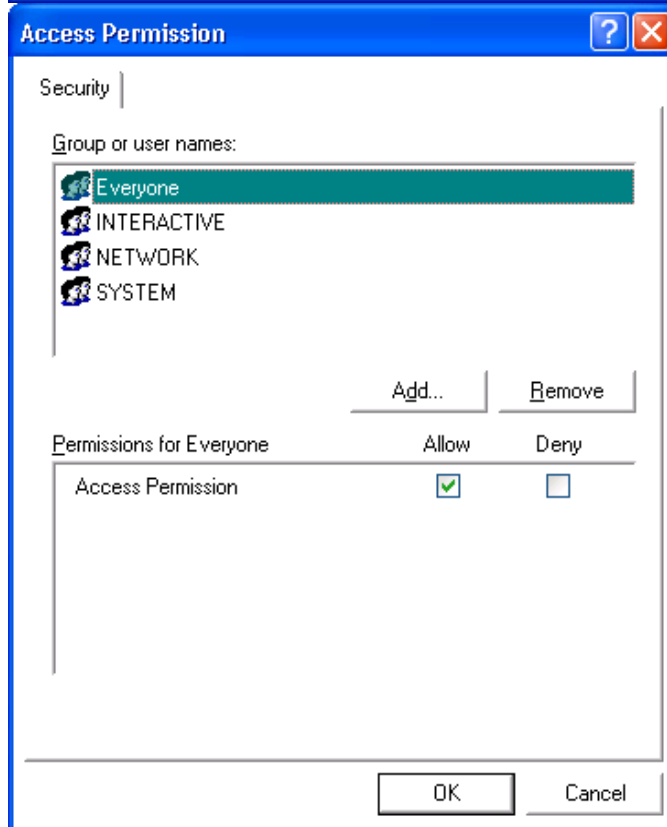
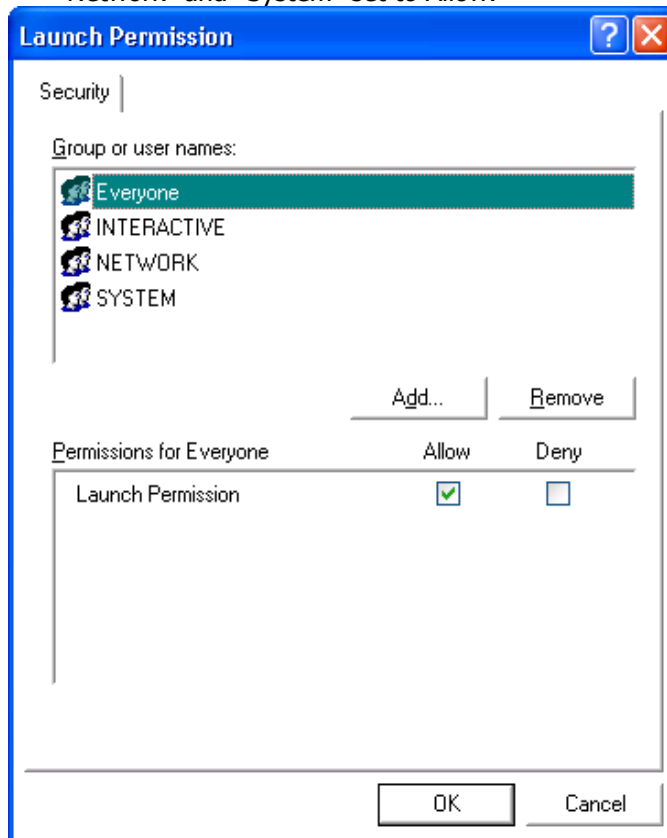
3) Under "Component Services" -> "Computers" ->Right Click on "My Computer."



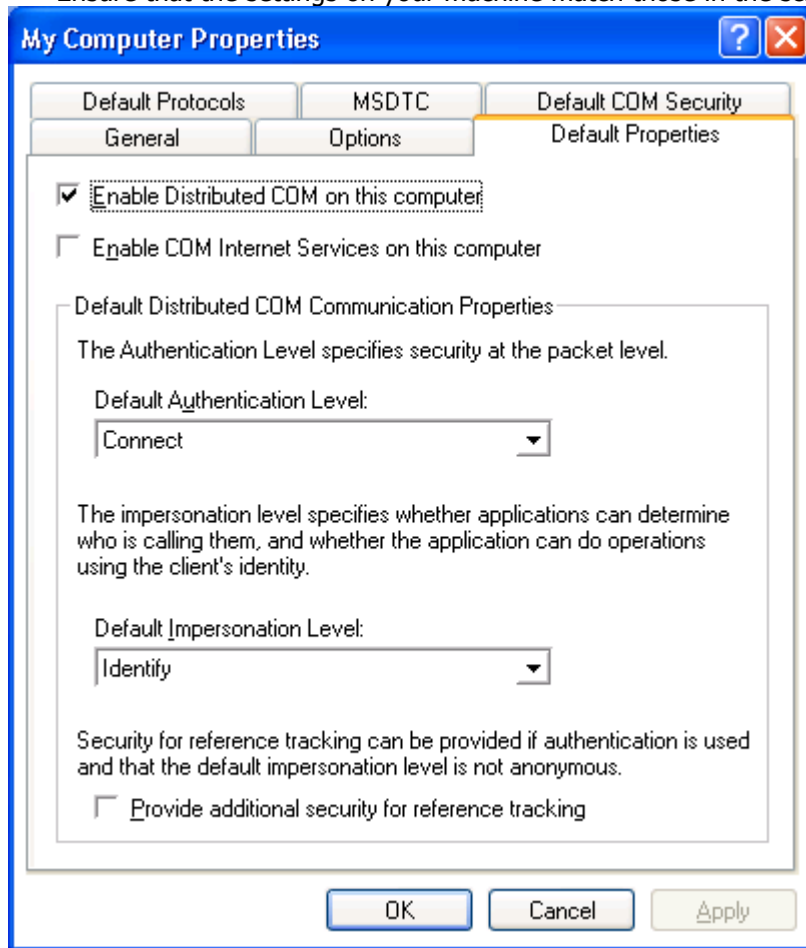
4) Now go to the Default COM Security Tab.



- 5) Make sure that both the Access and Launch Permissions have "Everyone", "Interactive", "Network" and "System" set to Allow.



- 6) Back on the My Computer Properties Dialog. Click on the Default Properties Tab. Ensure that the settings on your machine match those in the screenshot below.

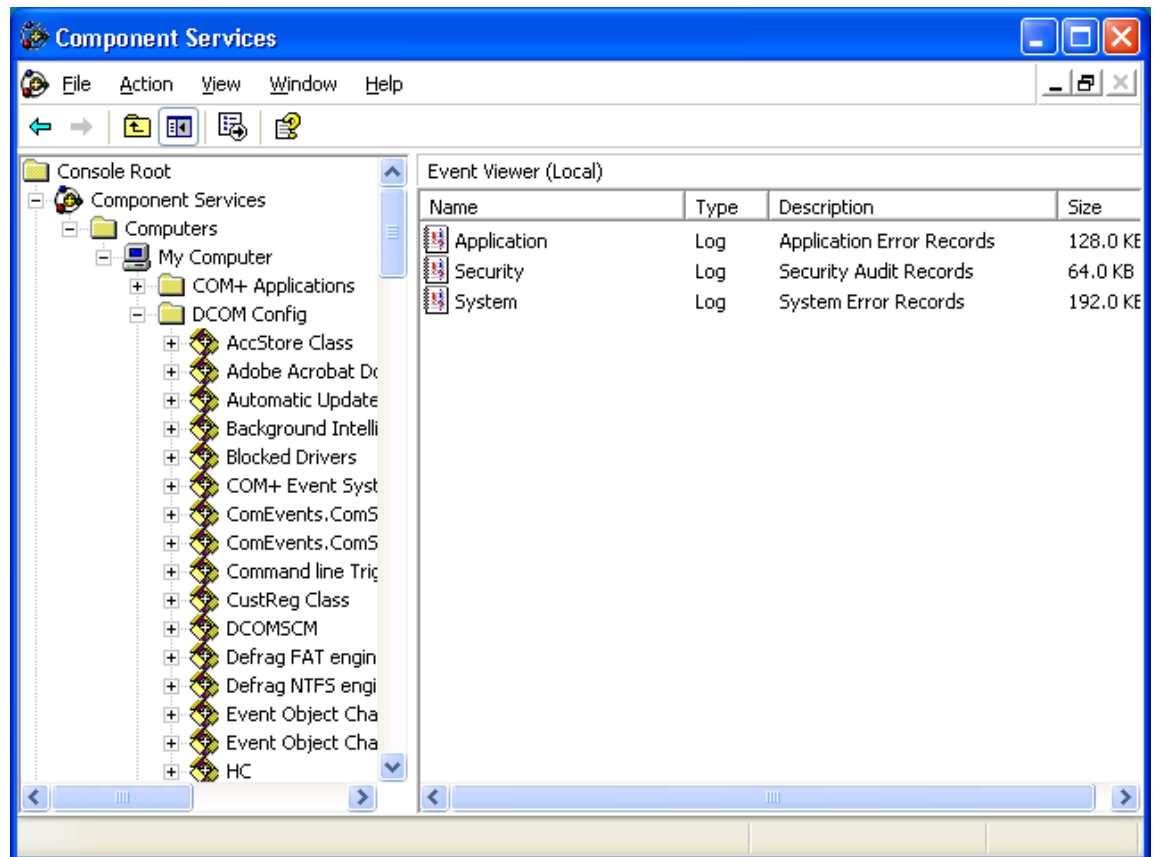


- 7) Click OK. You should now be looking at the Component Services Panel.

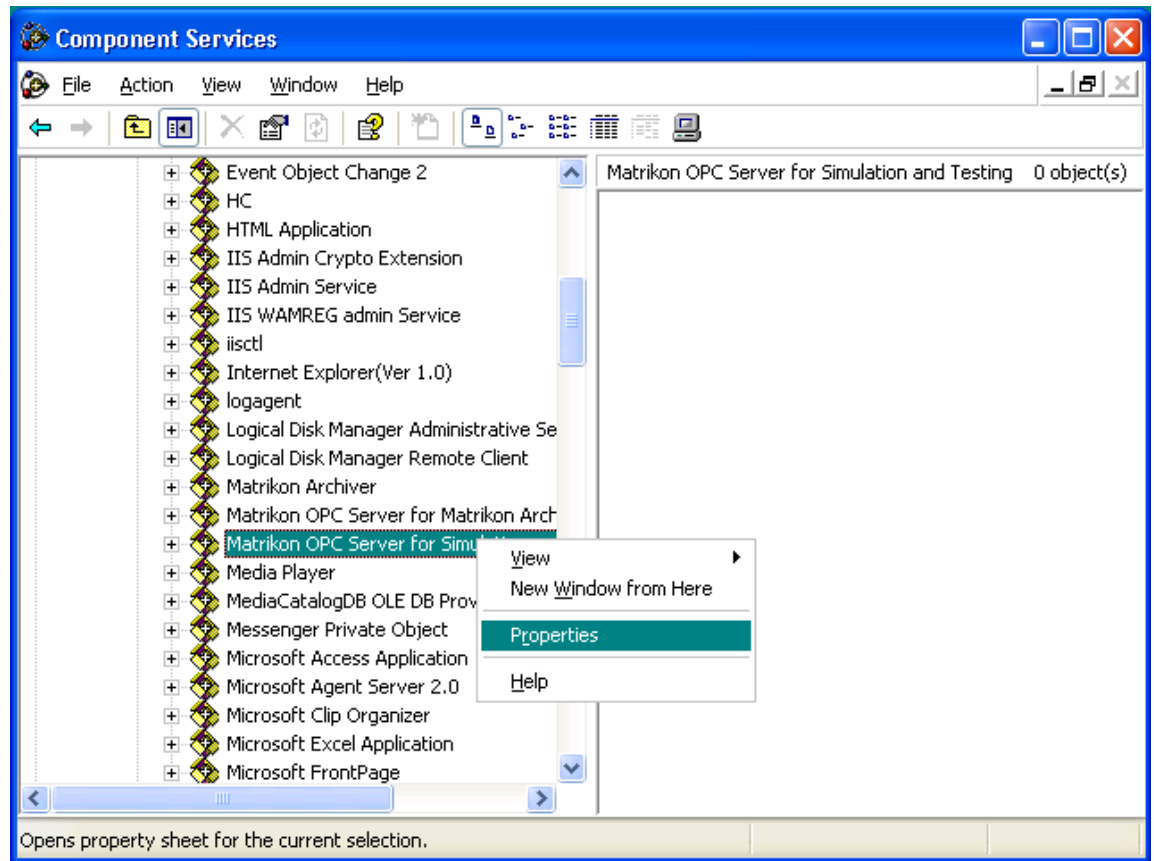
8) Underneath My Computer in the component services panel, there is a DCOM Config Folder. Inside this folder are all of the DCOM Applications installed on the local machine. We need to ensure that all of our OPC Servers are using the appropriate permissions.

**NOTE:** Due to a limitation in the Windows XP DCOM Configuration tool, not all OPC Servers may be listed as their Application name, but instead as their Class ID number. If your OPC Server is being listed by its Class ID please contact our support line for additional help.

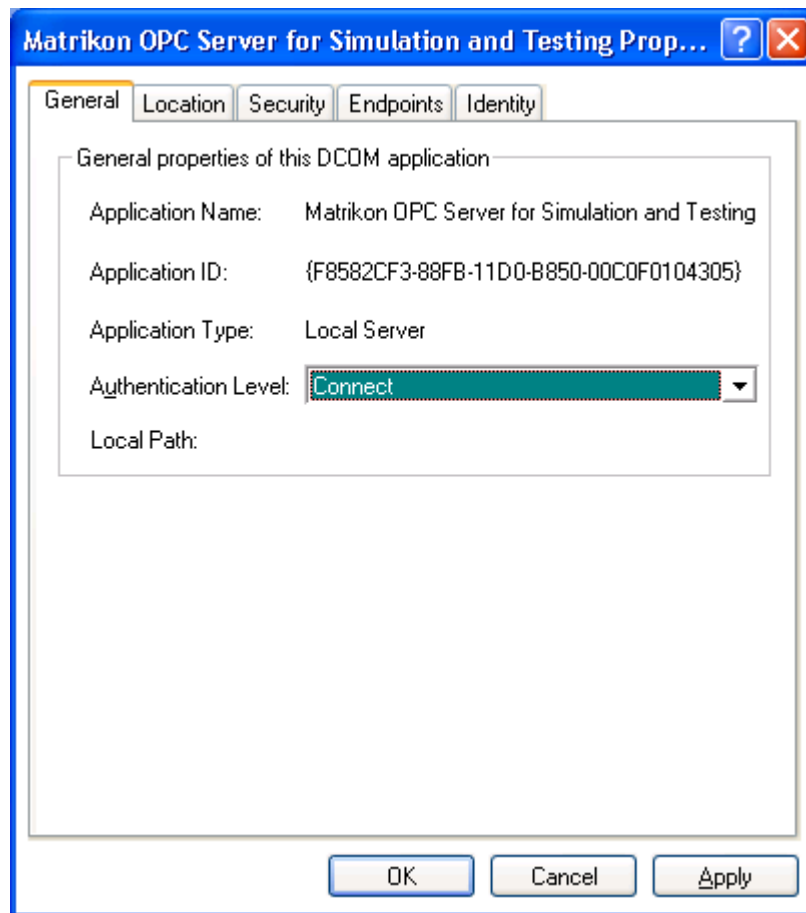
**Phone:** (780) 945-4011  
**E-mail:** [OPC.Support@Matrikon.com](mailto:OPC.Support@Matrikon.com)



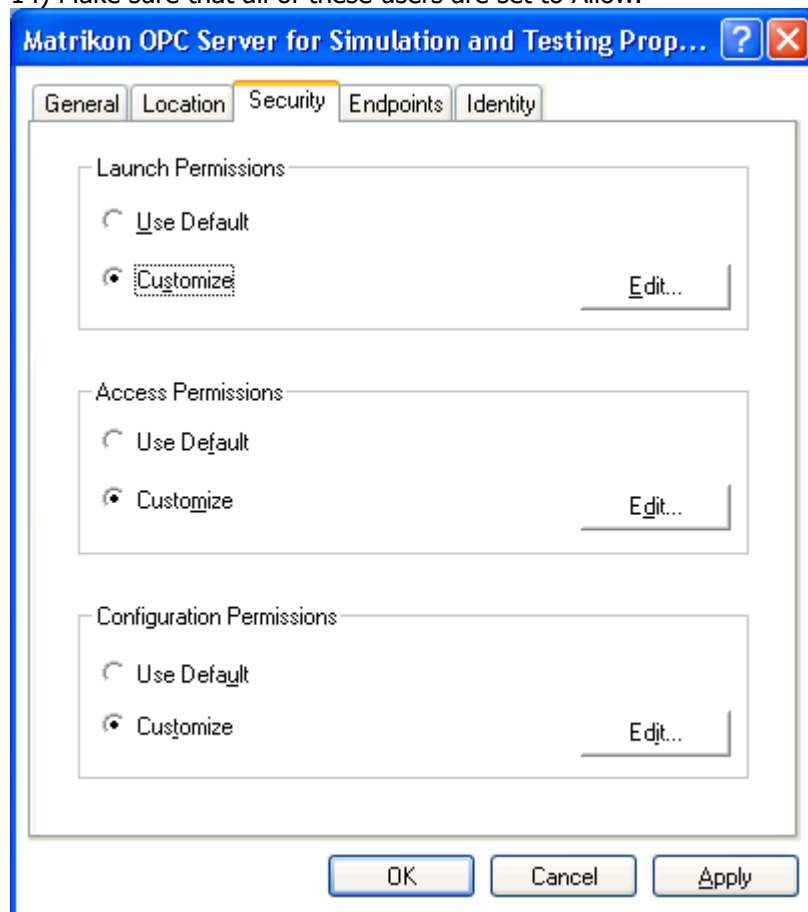
9) Find your OPC Server(s) in the list. Right-Click on the OPC Server and select Properties.



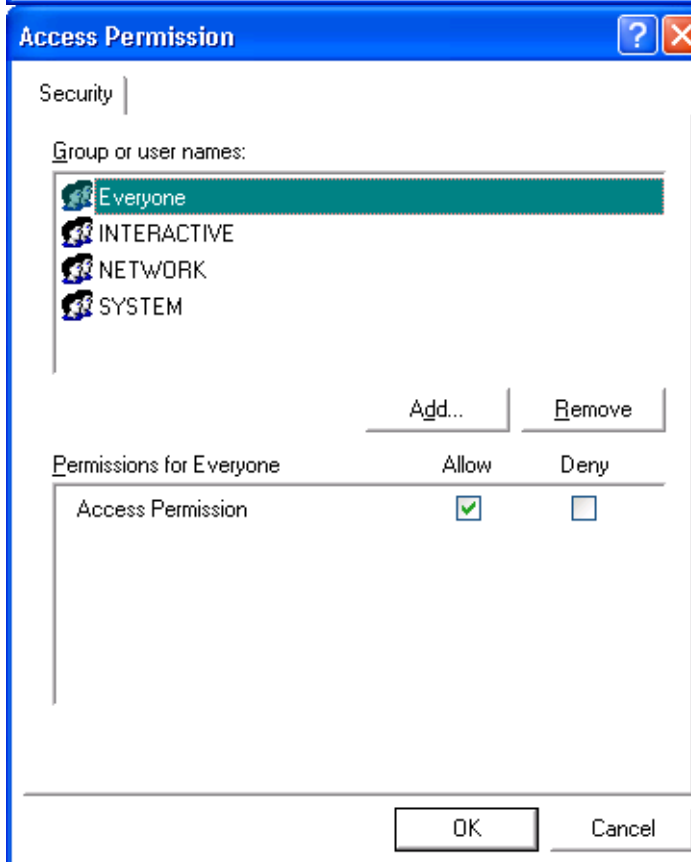
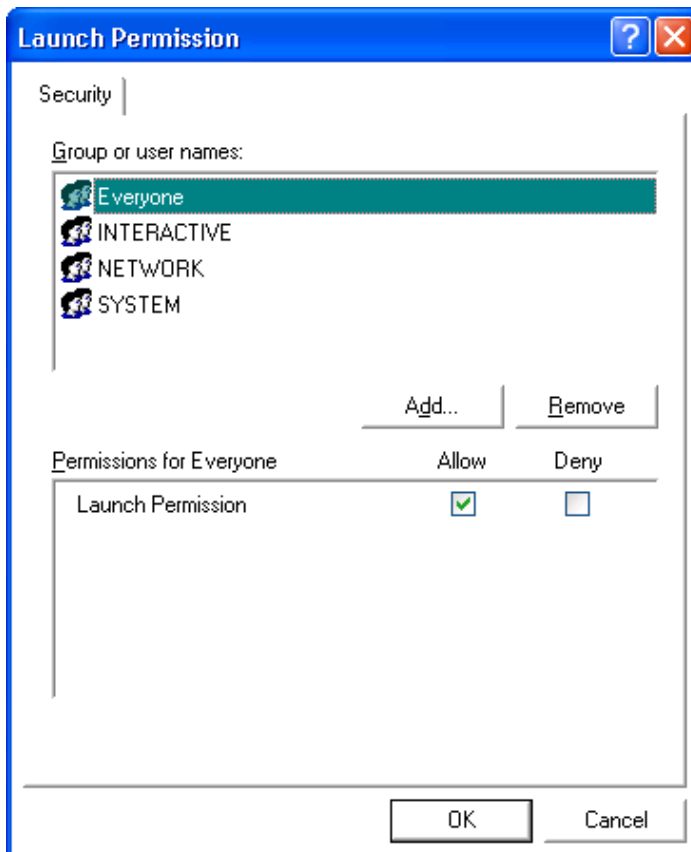
10) Please ensure that your Authentication Level is set to 'Connect'.



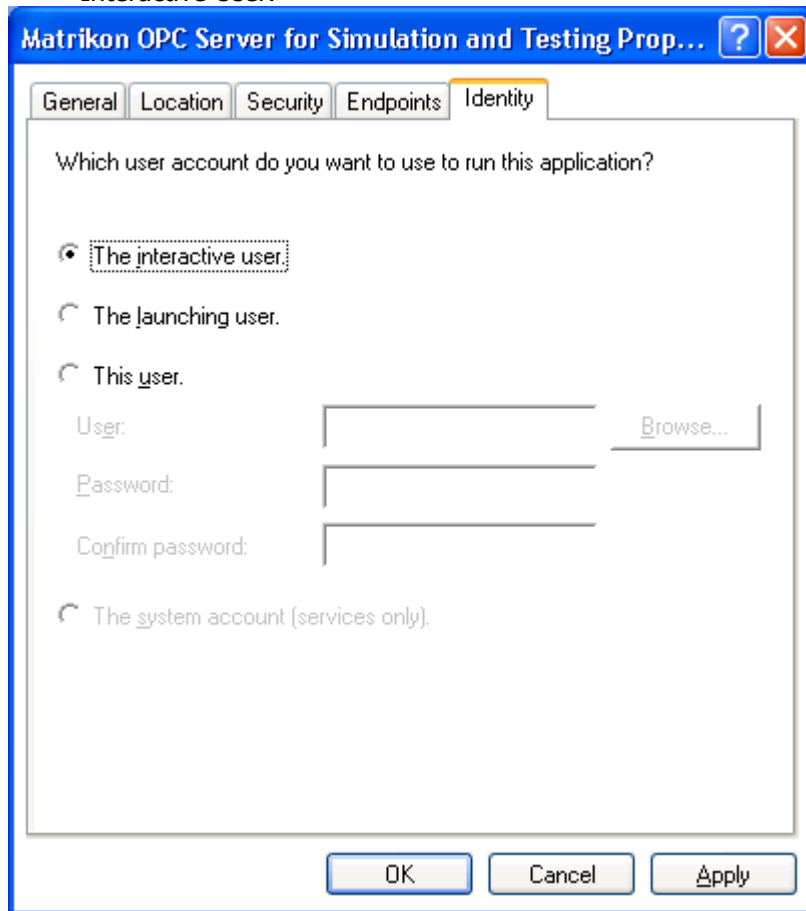
- 11) If you have successfully set up the Defaults for your system, you can decide if you want this server to utilize the default settings, or custom settings.
- 12) If you choose default please skip the following steps for Launching and Access Permissions.
- 13) Now that customize has been selected, please edit the default launch and access permissions to contain the following users, "Everyone", "Network", "Interactive", "System".
- 14) Make sure that all of these users are set to Allow.







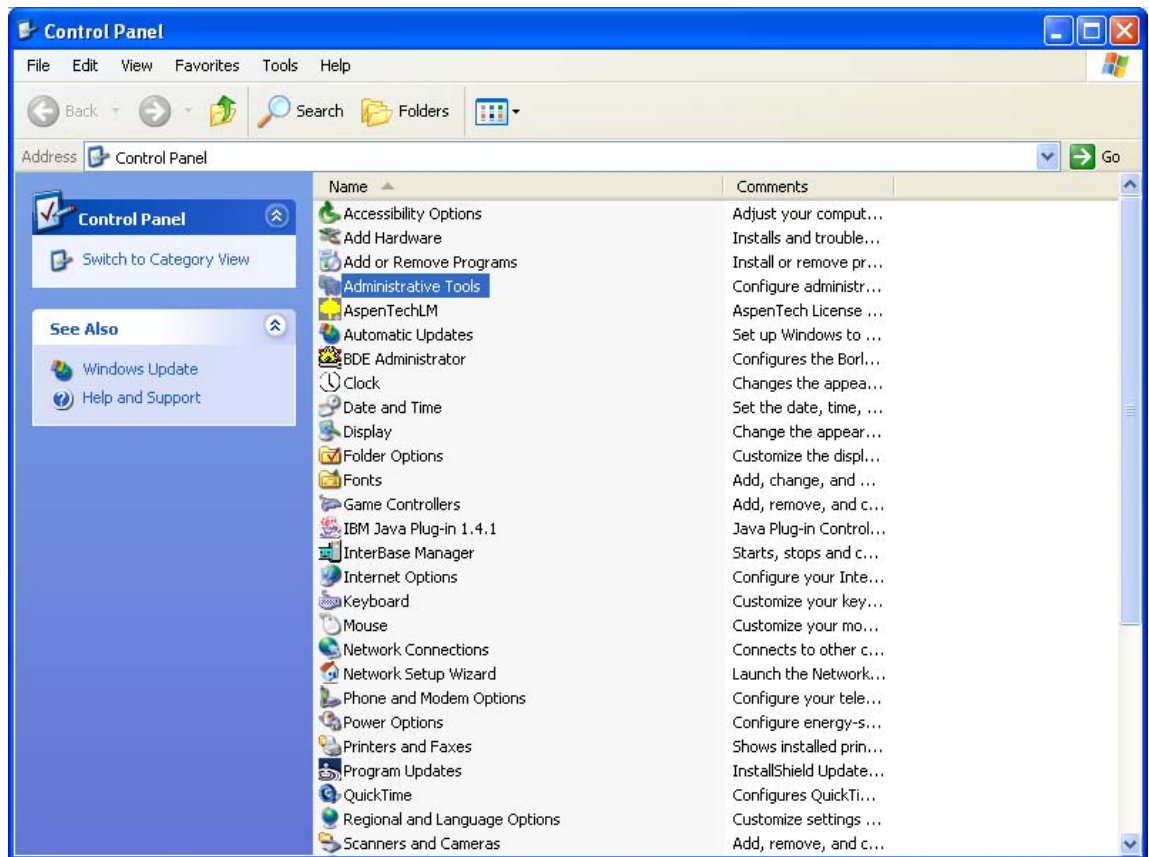
- 15) Under the Identity Tab, please ensure that your OPC Server is running as The Interactive User.



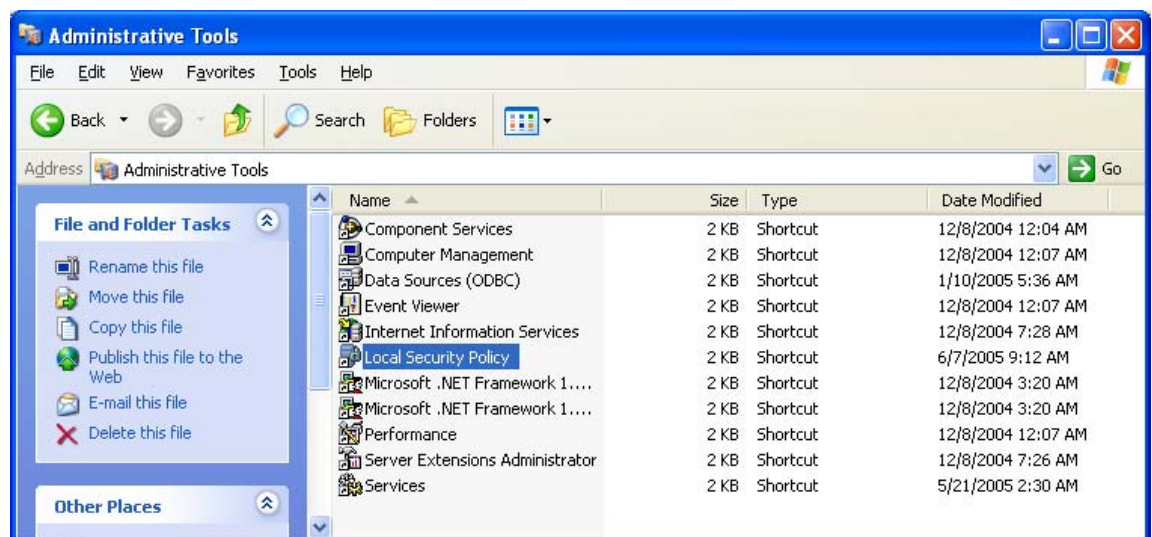
- 16) If your Server is running as a service you will not be able to select The Interactive User, it will be under The System Account.
- 17) Please repeat steps 8 -> 16 for all OPC Servers installed on the machine.
- 18) Please note that these steps may need to be done on remote machines as well, please repeat all steps as necessary.

If you are using SP 2 and are using workgroups instead of a domain the following steps may be needed in order to establish communication.

- 19) Open the Administrative Tools Control panel.



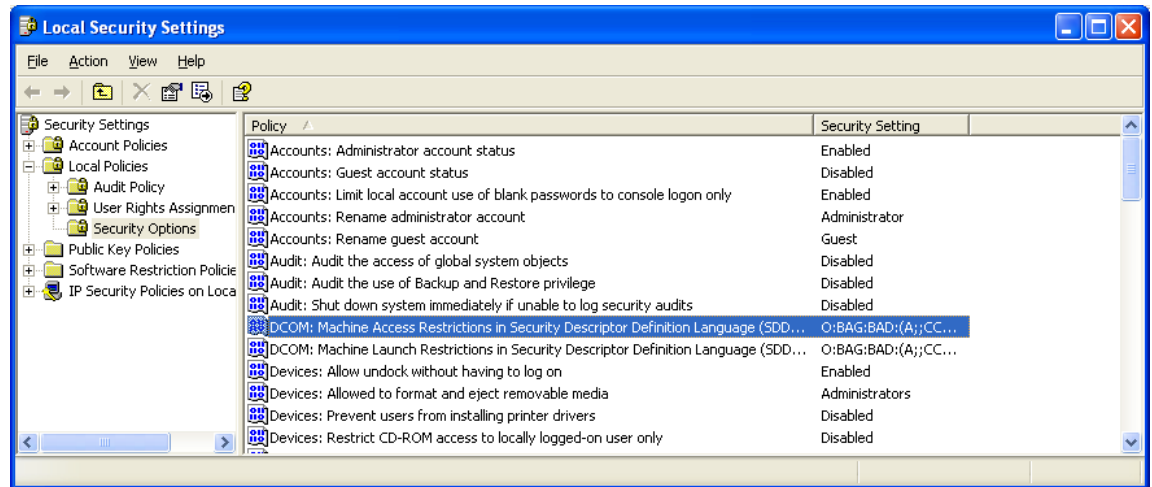
20) Open up the local security policy of this computer.



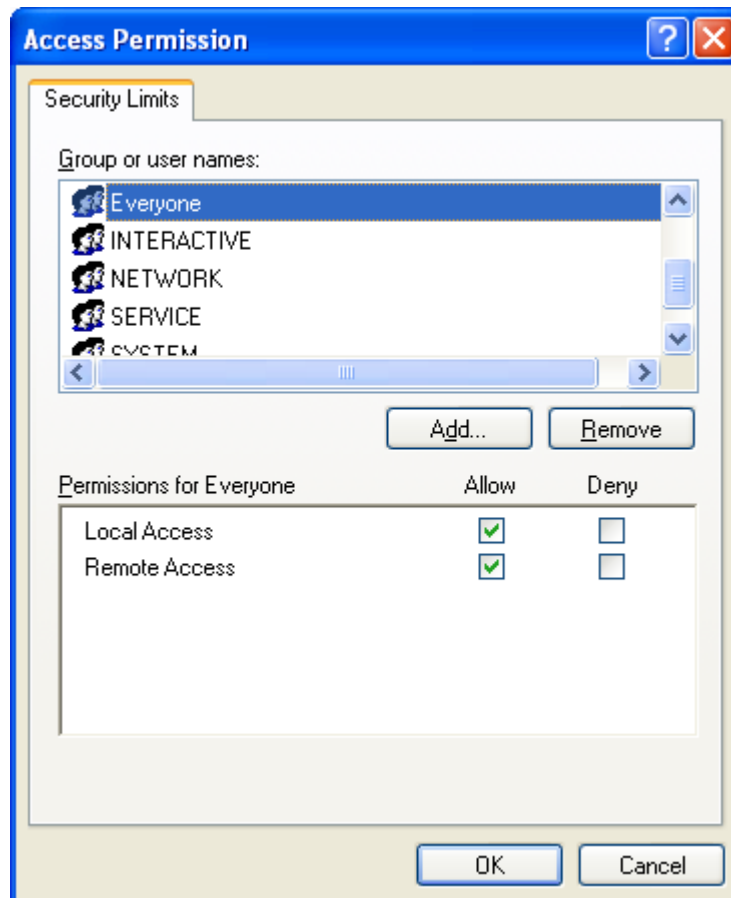
21) In the left hand pane expand the Security policies.

22) Expand the Local policies, and select the Security options.

23) Find the two options that begin with "DCOM:". Double click on this option to enter the configuration.

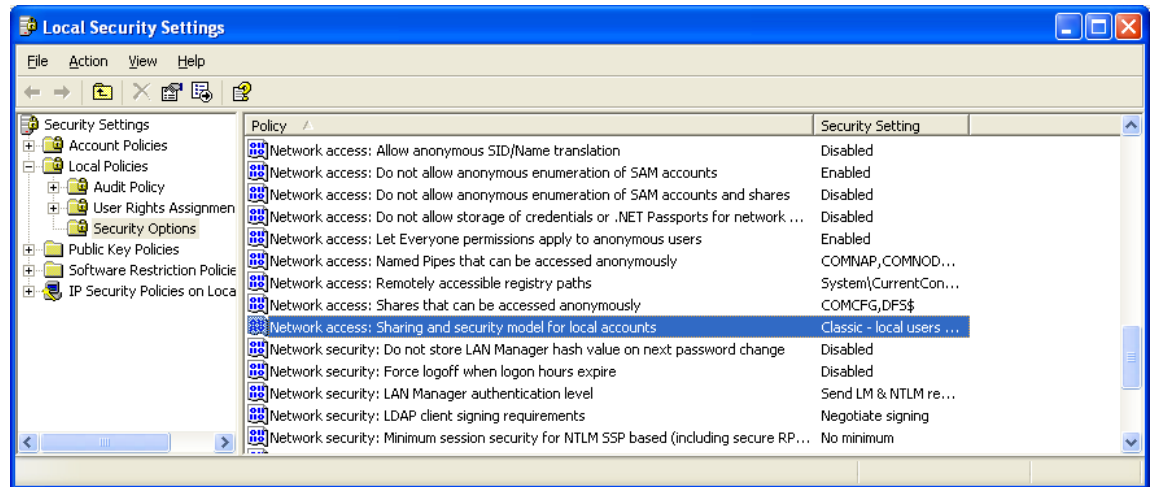


24) Set the following options in your configuration.

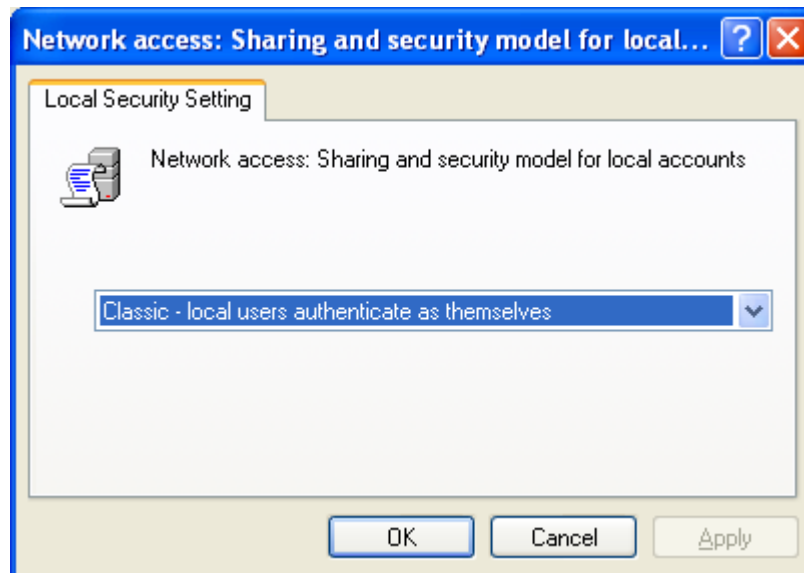


25) Set the other DCOM configuration that was located in step 23 to the same settings as above.

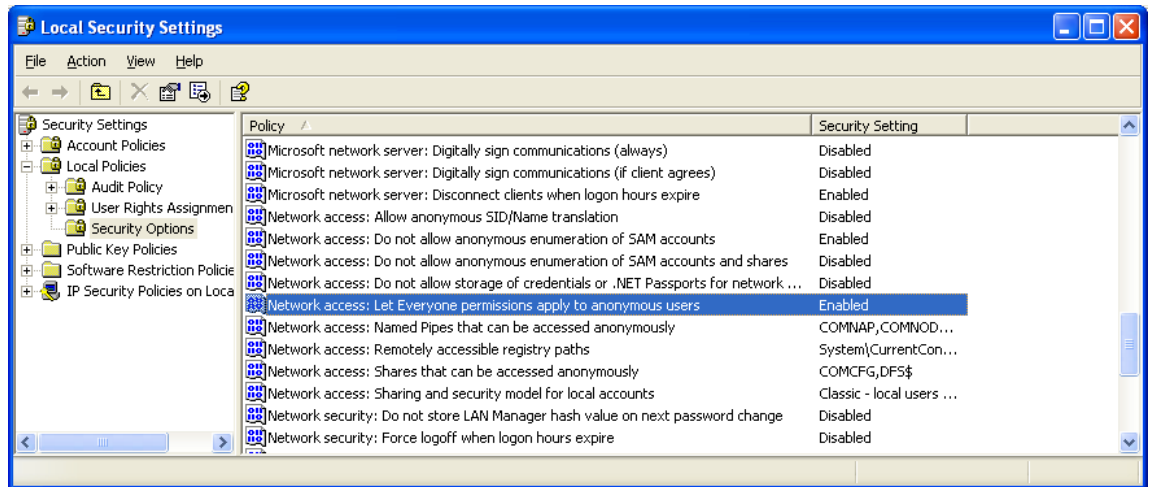
26) In your Local Security Settings find the option for "Network Access: Sharing and security model for local accounts."



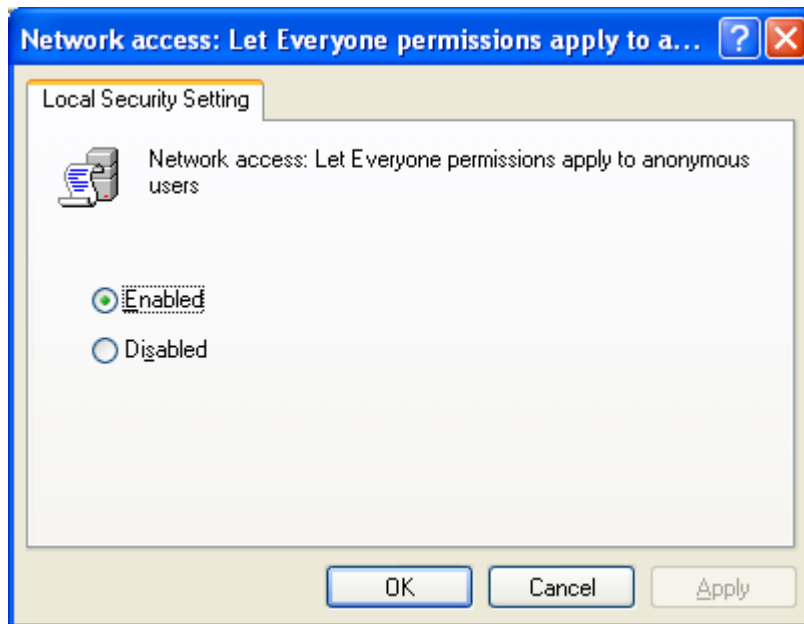
27) Set this option to use Classic mode.



28) In your Local Security Settings find the option for "Network Access: Let everyone permissions apply to anonymous users."



29) Enable this option.



Your **DCOM** is now setup to accept all incoming connections.

**NOTE:** DCOM has limitations for connectivity when operating on separate domains/workgroups. These steps may work but, depending on individual networks, additional settings and components may be required. Please contact OPC Support for additional information.

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