How to configure NAPOPC_ST DCOM on Windows 7?

Applies to :

Platform	*OS version*	*NAPOPC version*
PC	*Windows 7 32 bits Professional*	*NAPOPC_ST v3.20*

This FAQ is a configuration description for NAPOPC_ST DA Server on Windows 7 32 bits Professional Operating System, including the firewall and DCOM configuration when it is used on the Server-side and the Client-side.

The Steps:

1. **Installation**

   Install the NAPOPC_ST DA Server on Windows 7 32 bits Professional Operating System.

2. **Firewall Configuration**

   Configure the firewall of NAPOPC_ST on Windows 7 32 bits Professional Operating System when it is used on the Server-side or the Client-side.

3. **DCOM Configuration**

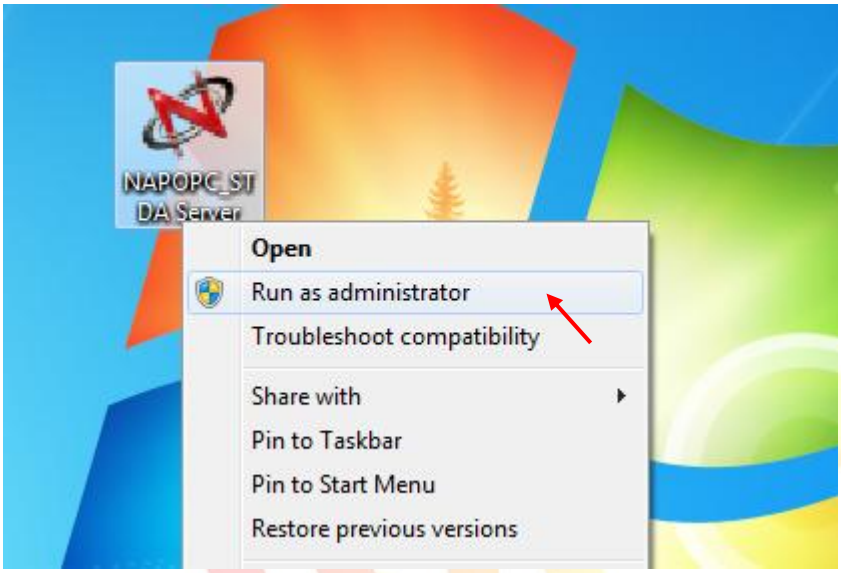
   Configure the DCOM of NAPOPC_ST on Windows 7 32 bits Professional Operating System when it is used on the Server-side or the Client-side.

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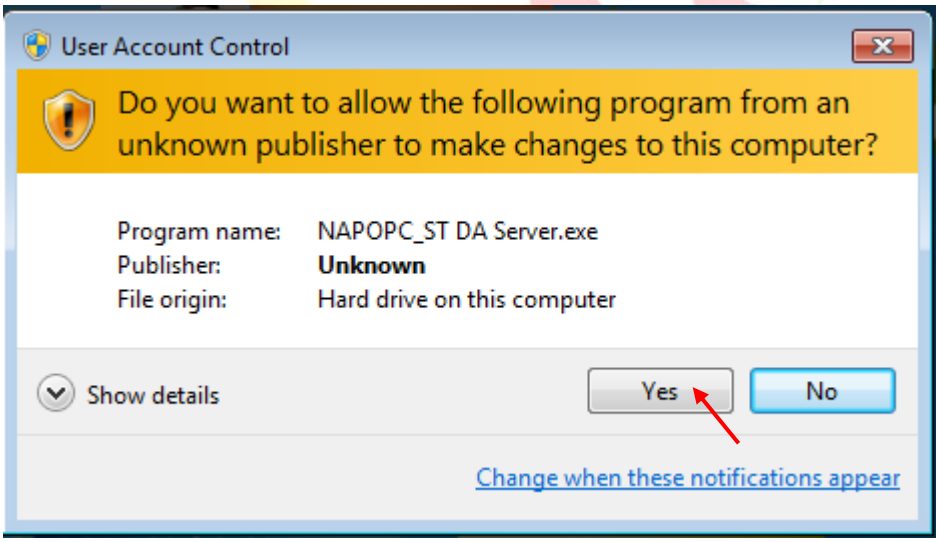
1. Installation

Step 1:

a. Use mouse to right-click on the installing program icon of NAPOPC_ST DA Server, select the item 'Run as administrator'.

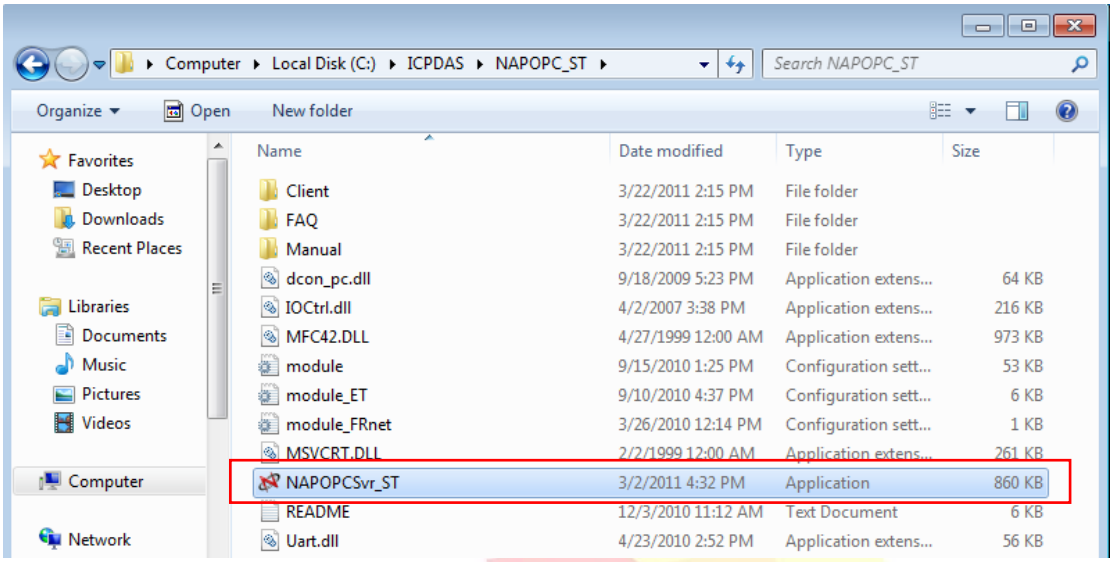


b. Click on 'Yes'.

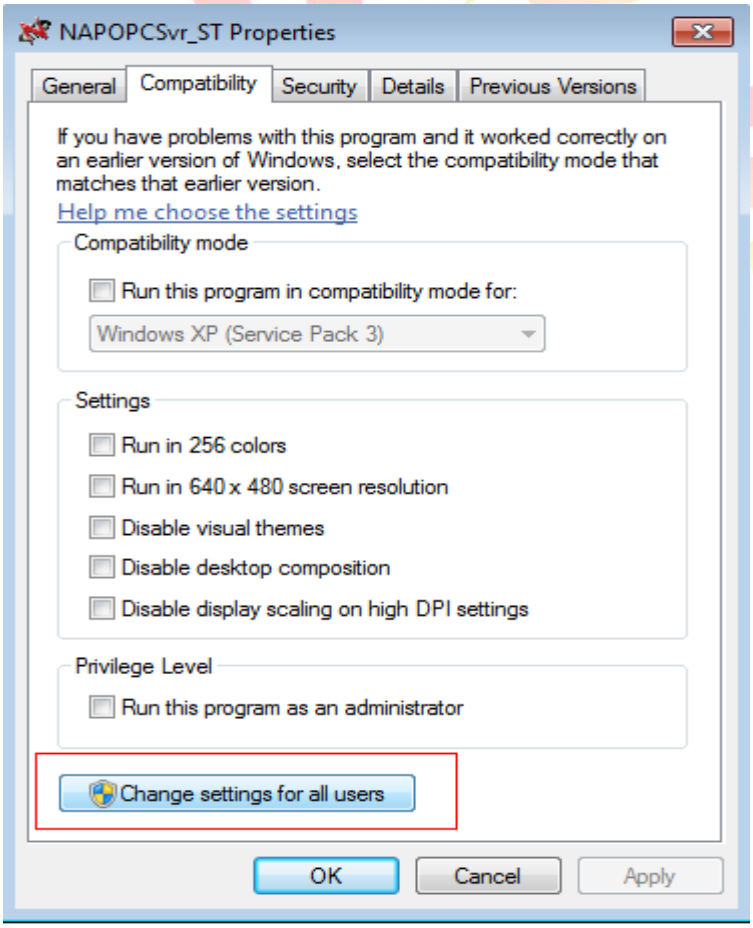


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Step 2: Right-click on the main program ‘NAPOPCSvr_ST’ of NAPOPC_ST DA Server



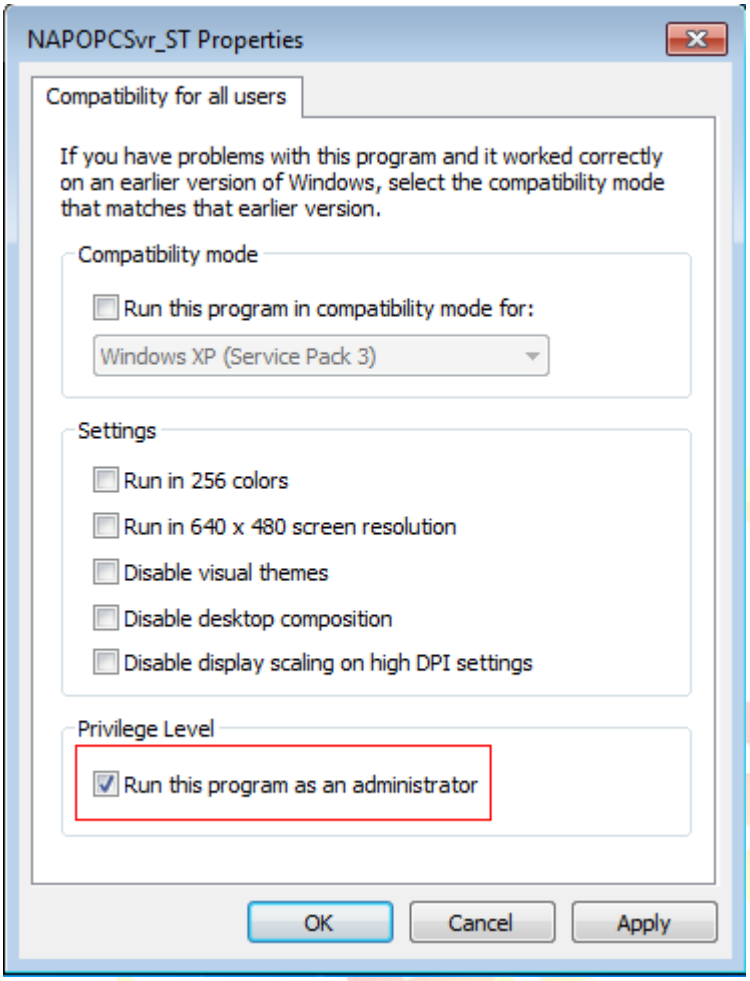
Step 3: Select ‘Properties’ > ‘Compatibility’, Click on ‘Change settings for all users’



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Step 4:

Check the box ‘Run this program as an administrator’

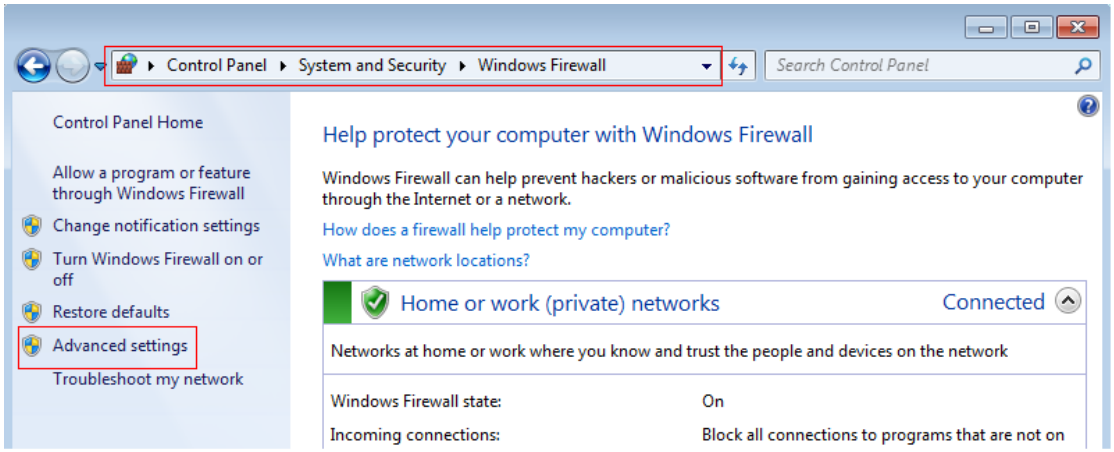


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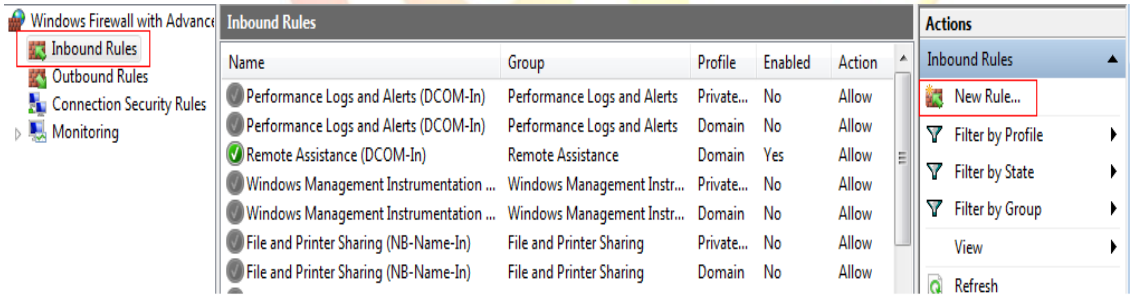
2. Firewall Configuration

2.1 Setting the firewall (Server-side)

Step 1: Click ‘Start’ > ‘Control Panel’ > ‘System and Security’ > ‘Windows Firewall’ > ‘Advanced settings’

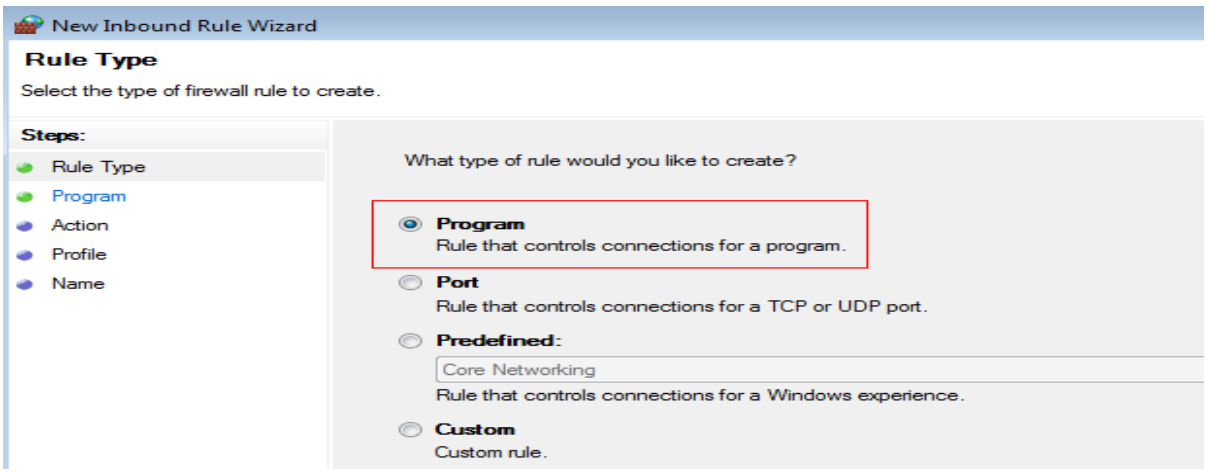


Step 2: Select ‘Inbound Rules’ on the left side, then select ‘New Rule’ on the right side.



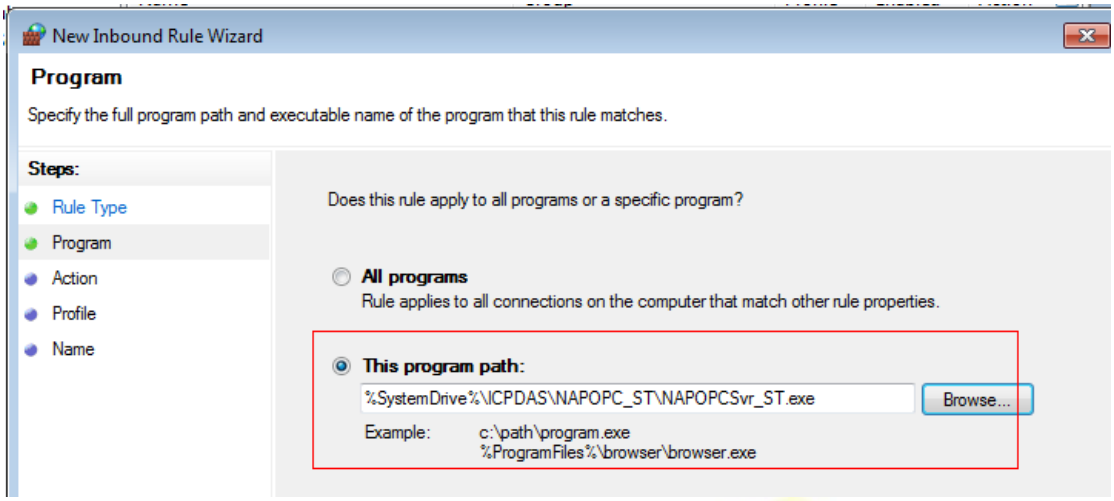
Step 3:

a. Set up the new firewall rule type as the following picture.

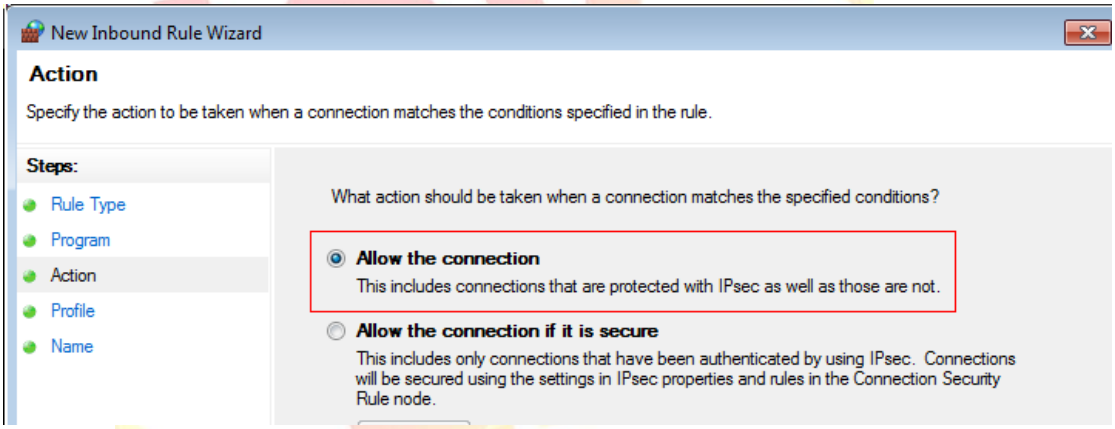


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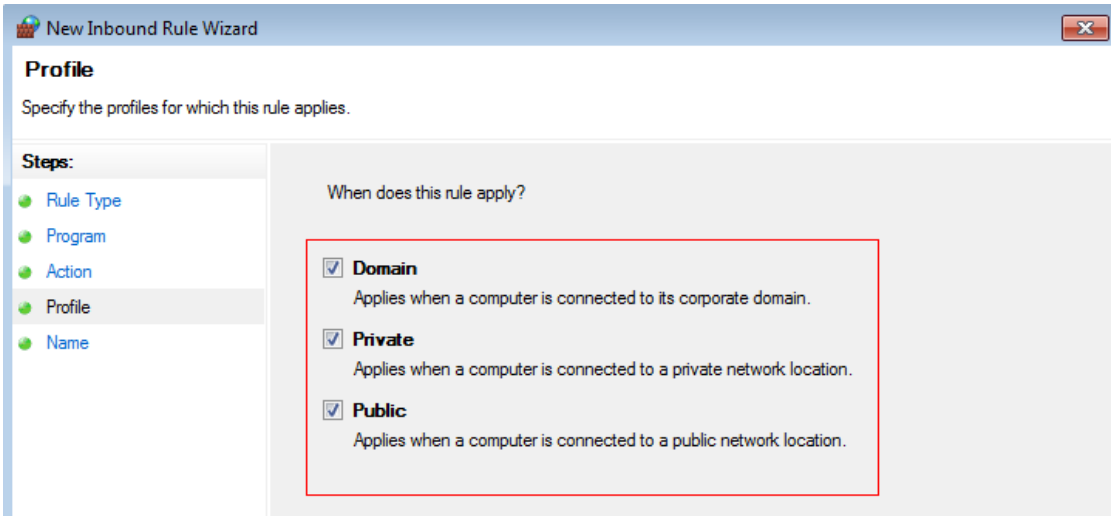
b. Set up the program path of NAPOPC_ST



c. In the step ‘Action’, select ‘Allow the connection’

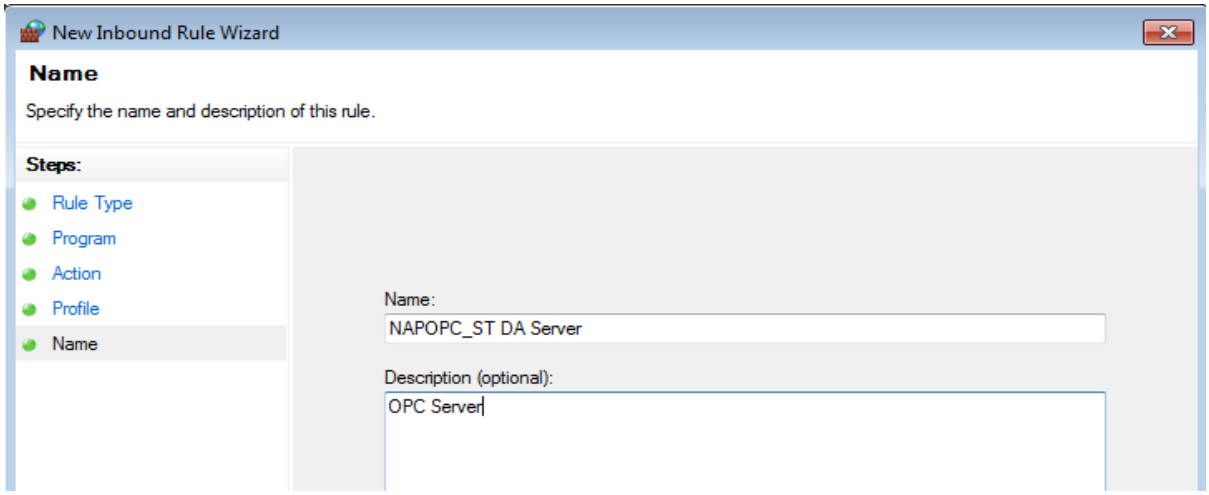


d. Check all the setting items in the step ‘Profile’



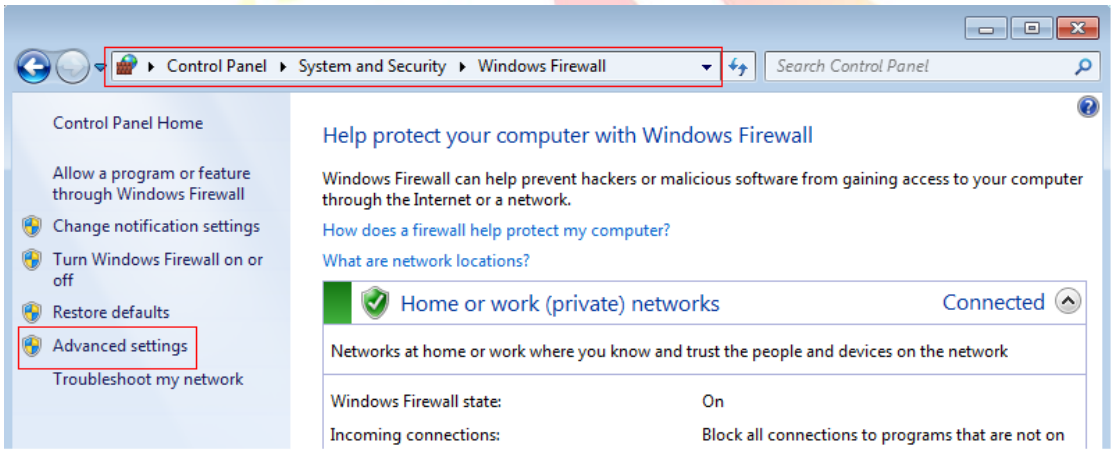
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e. Give a name for the new rule, for example, ‘NAPOPC_ST DA Server’



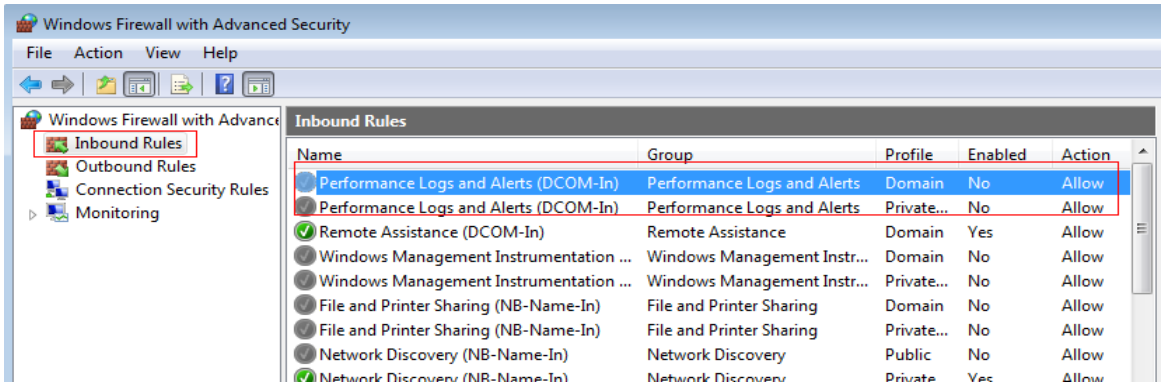
Step 4:

a. Set up the DCOM Firewall
Click ‘Start’ > ‘Control Panel’ > ‘System and Security’ > ‘Windows Firewall’ > ‘Advanced settings’

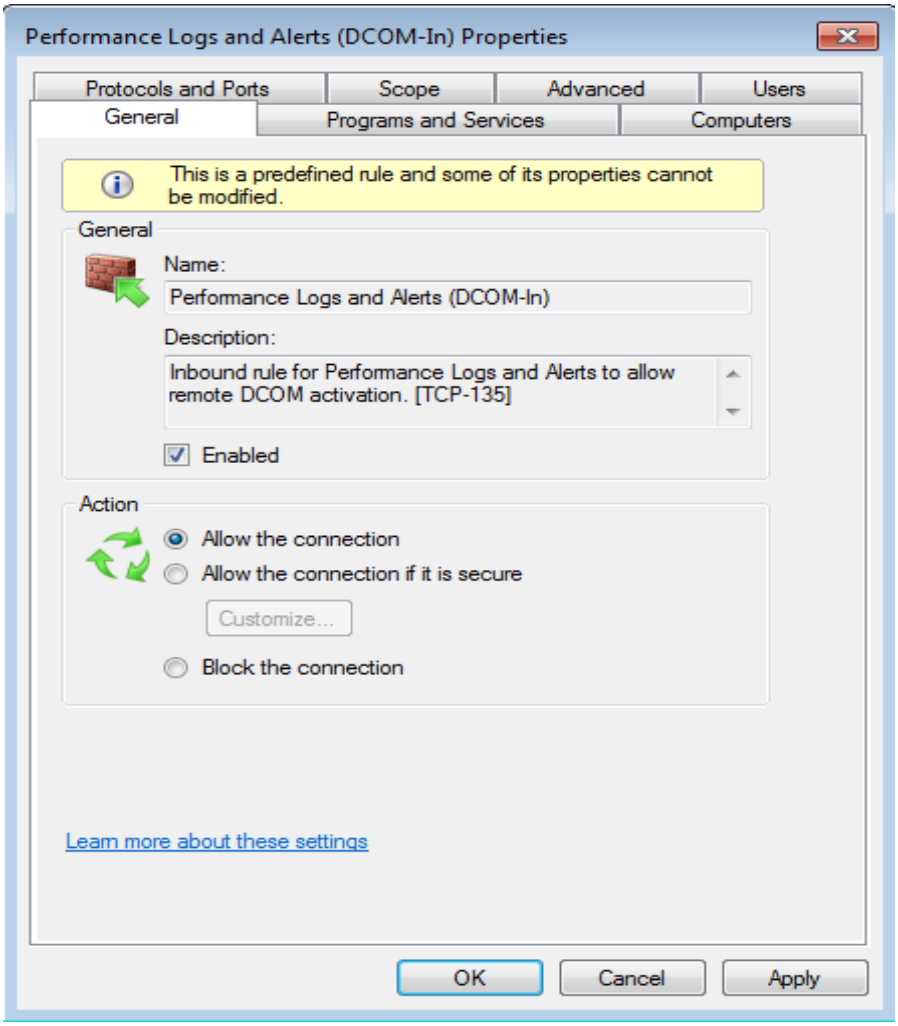


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b. Select ‘Inbound Rules’ on the left side, and then double click ‘Performance Logs and Alerts (DCOM-In)’ on the right side. (Two rules: Domain & Private)



c. Set up ‘Performance Logs and Alerts (DCOM-In)’ as the following picture.



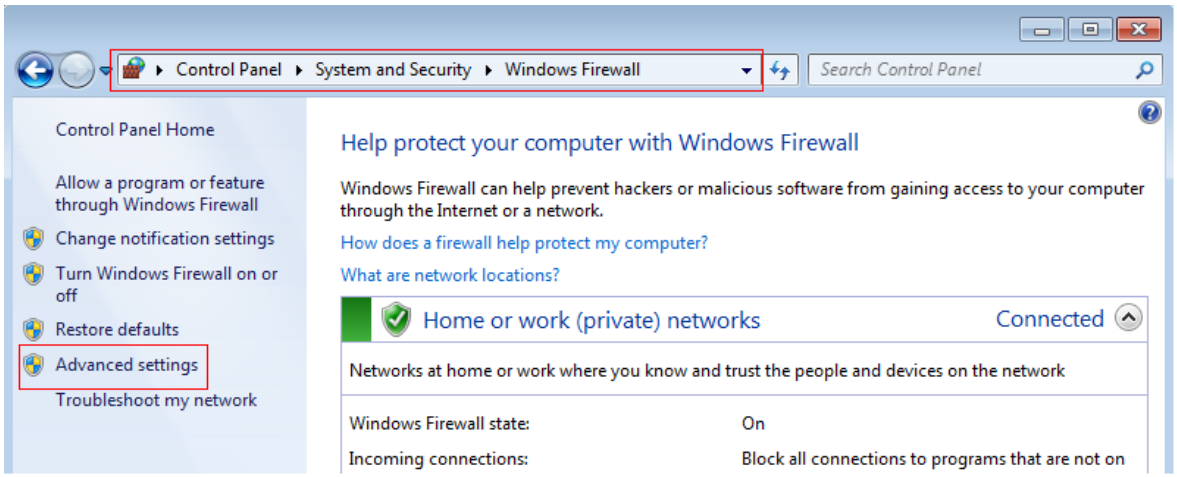
⚠ **NOTE:** User has to set up both profiles (Domain & Private) of ‘Performance Logs and Alerts (DCOM-In)’.

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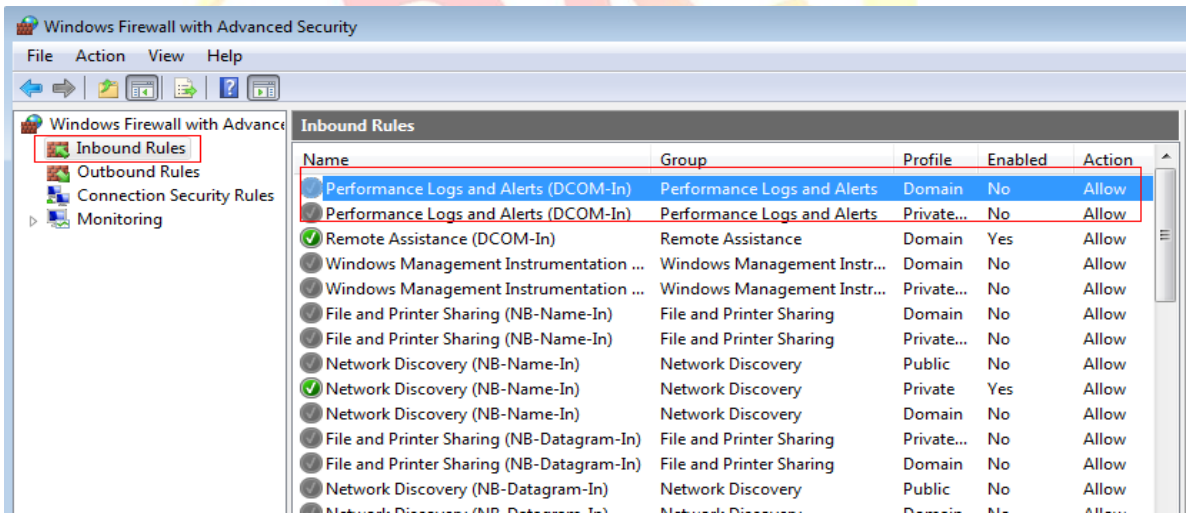
2.2 Setting the firewall (Client-side)

Step 1:

a. Set up the DCOM firewall
Click ‘Start’ > ‘Control Panel’ > ‘System and Security’ > ‘Windows Firewall’ > ‘Advanced settings’

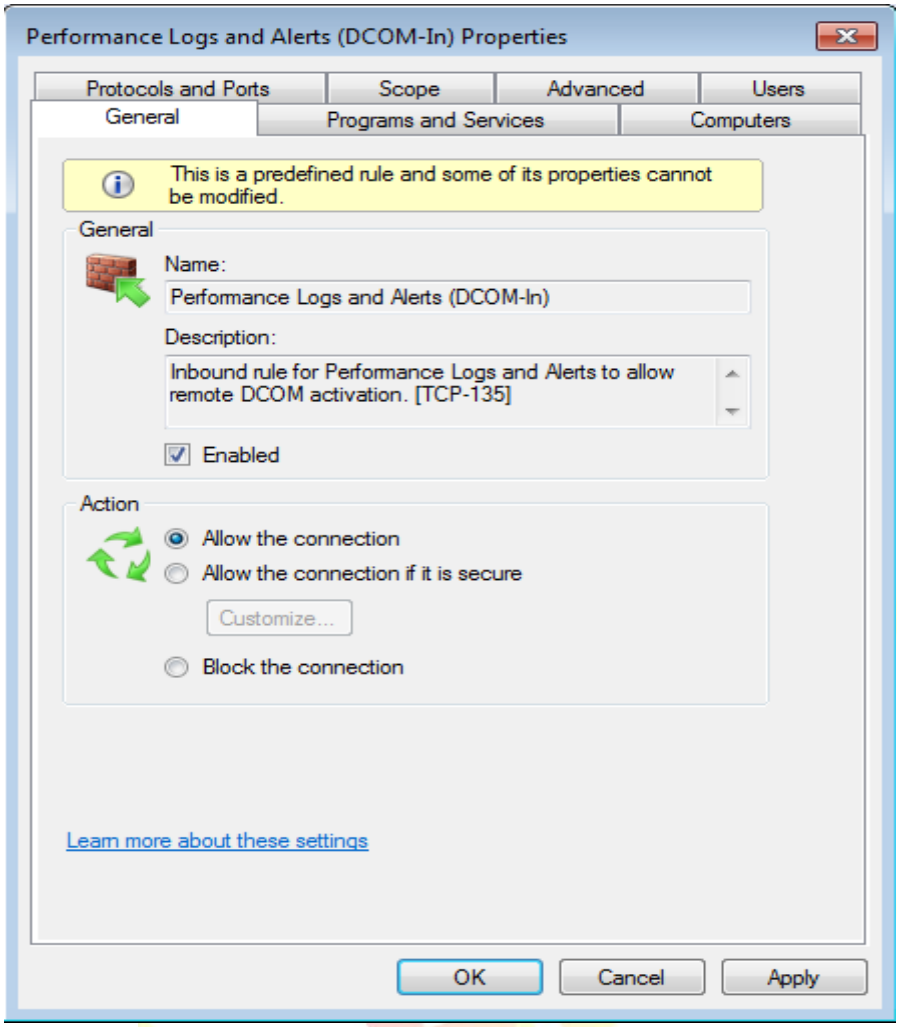


b. Select ‘Inbound Rules’ on the left side, and then double click ‘Performance Logs and Alerts (DCOM-In)’ on the right side (Two rules: Domain & Private)



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c. Set up ‘Performance Logs and Alerts (DCOM-In)’ as the following picture.



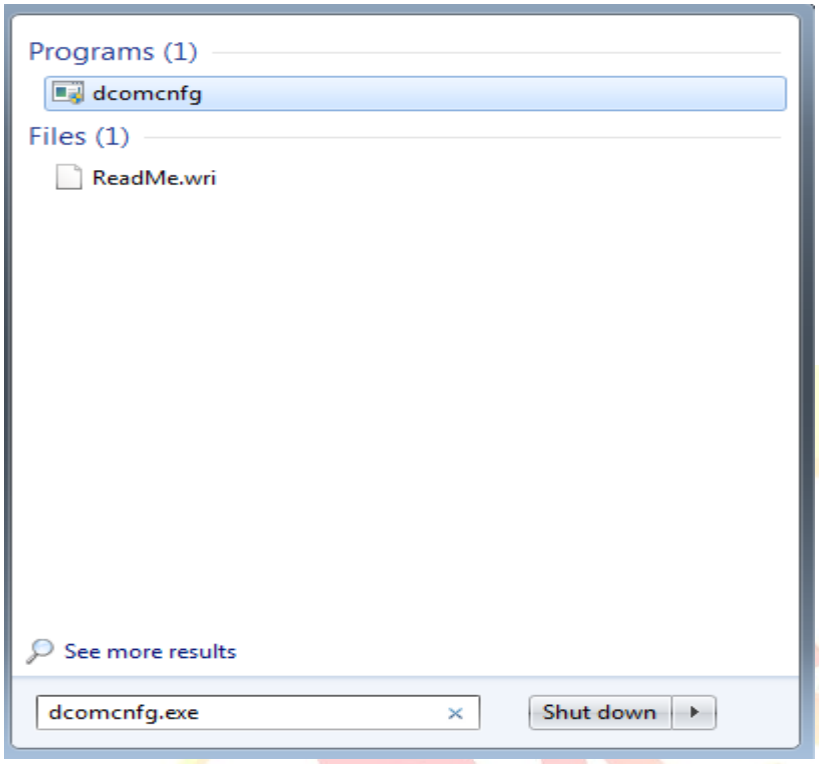
⚠ **NOTE:** User has to set up both profiles (Domain & Private) of ‘Performance Logs and Alerts (DCOM-In)’.

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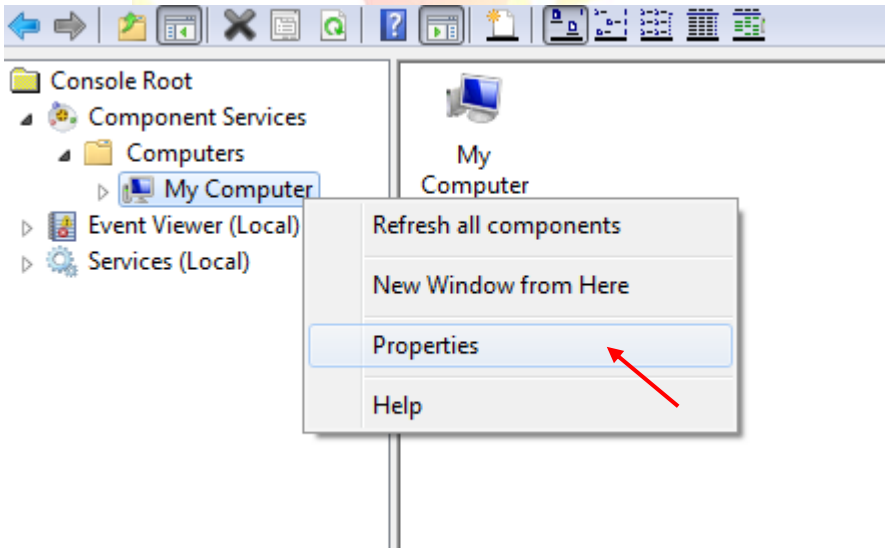
3. DCOM Configuration

3.1 Setting the DCOM (Server-side)

Step 1: Execute the program ‘dcomcnfg.exe’ from the ‘Start’ menu

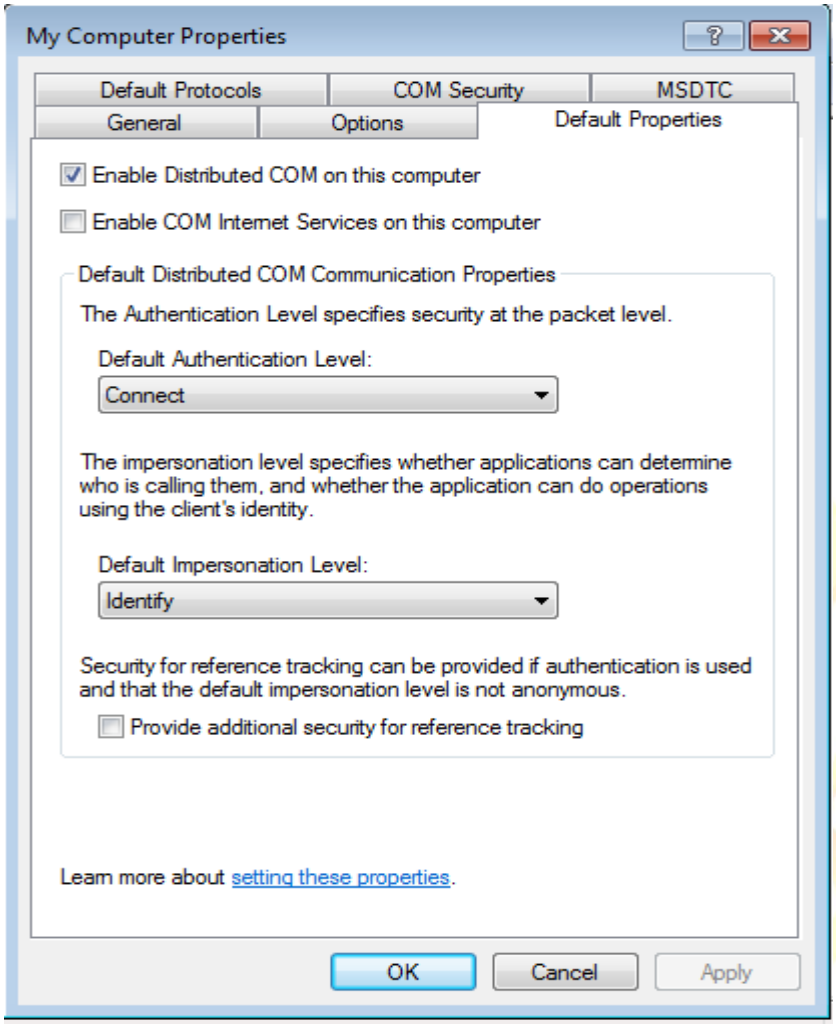


Step 2: Select ‘Component Services’ > ‘Computers’, mouse right-click on ‘My Computer’ to select ‘Properties’



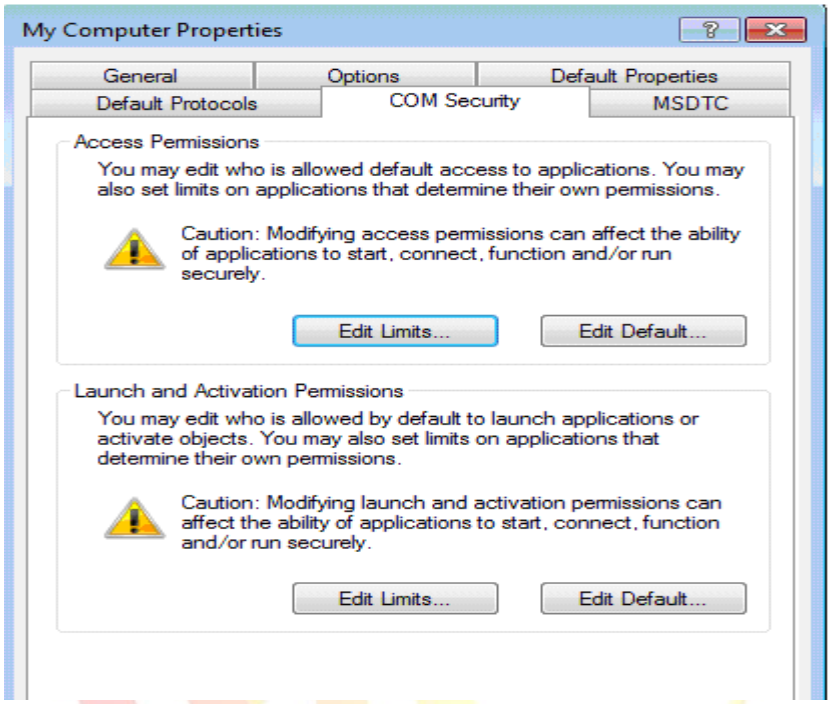
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Step 3: Set up ‘Default Properties’ as the following picture.

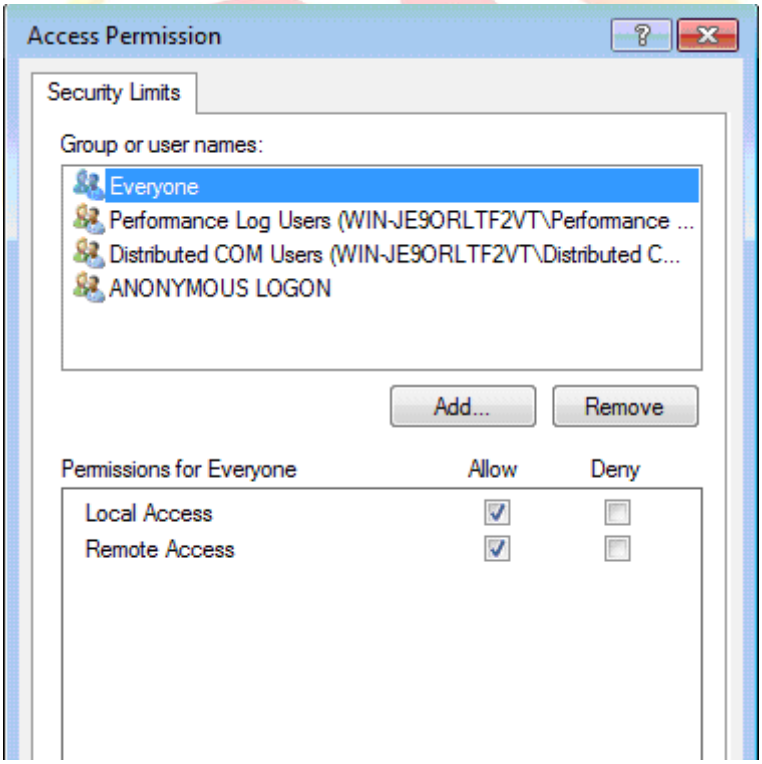


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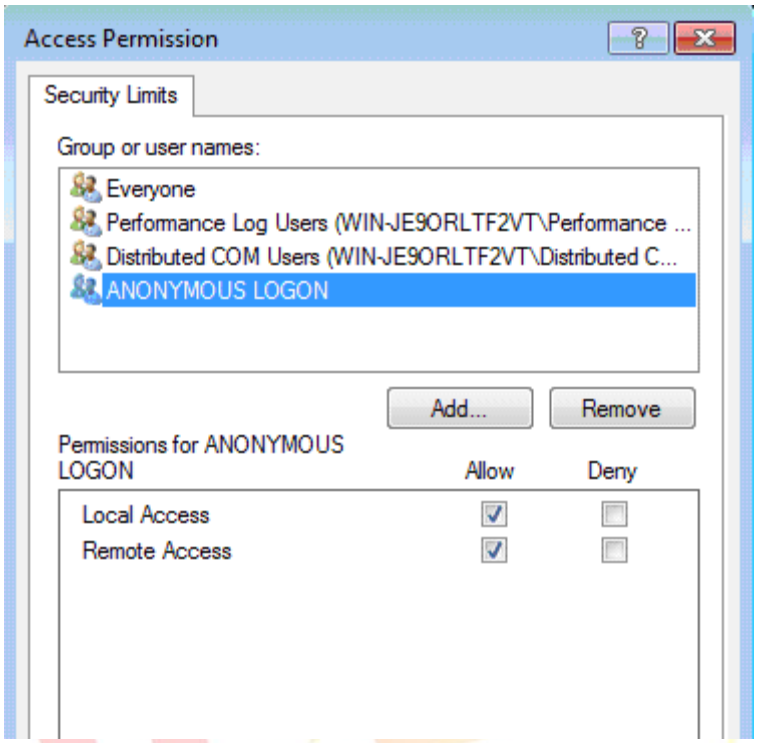
Step 4: Set up ‘COM Security’ as the following picture.



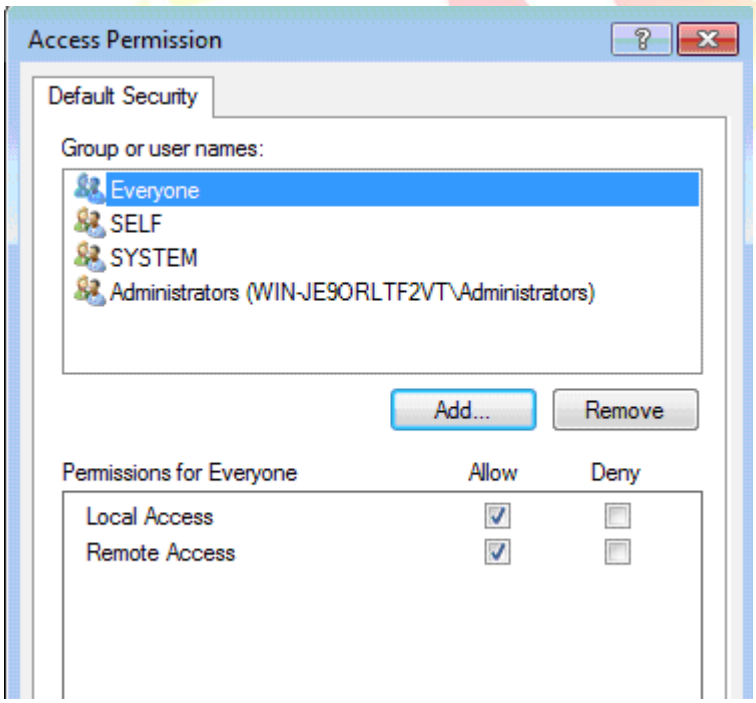
a. Set up ‘Access Permissions’ > ‘Security Limits’ (If there is no ‘Everyone’ item, please add one.)



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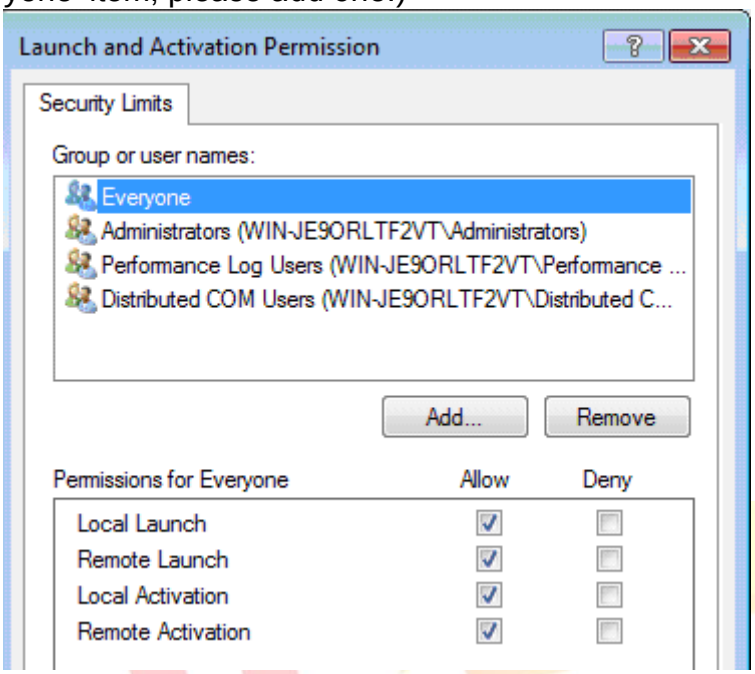


b. Set up ‘Access Permission’ > ‘Default Security’ (If there is no ‘Everyone’ item, please add one.)

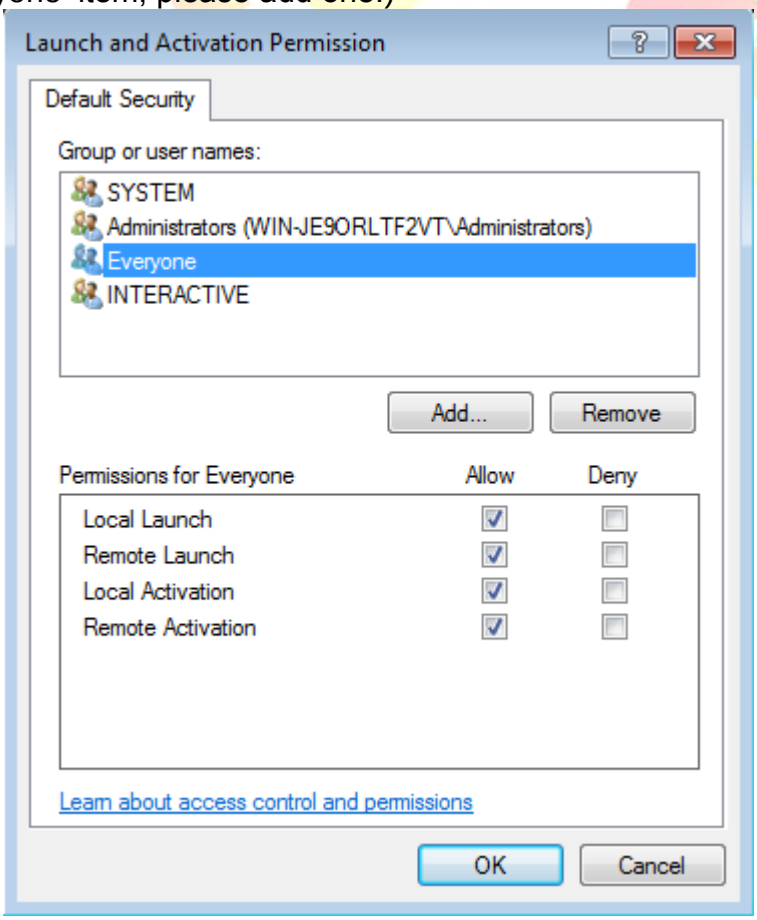


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c. Set up ‘Launch and Activation Permission’ > ‘Security Limits’ (If there is no ‘Everyone’ item, please add one.)



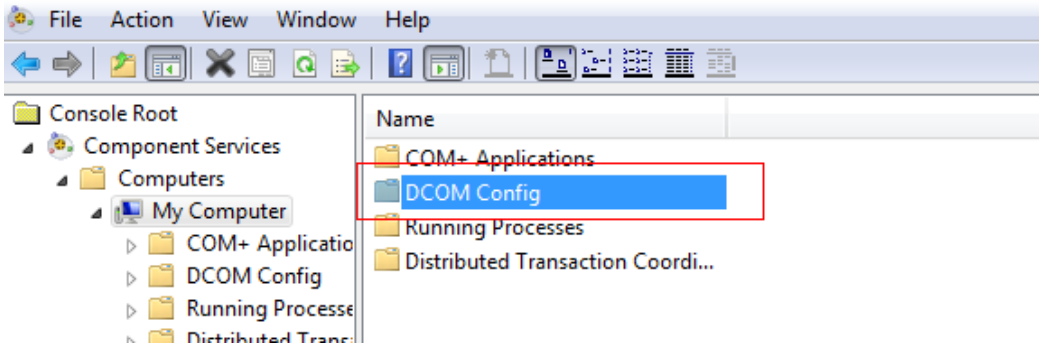
d. Set up ‘Launch and Activation Permission’ > ‘Default Security’ (If there is no ‘Everyone’ item, please add one.)



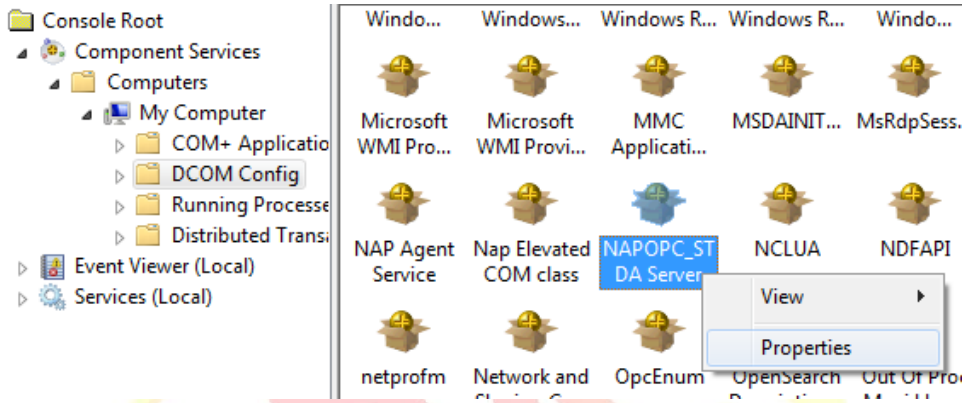
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Step 5: Configure the DCOM security of NAPOPC_ST

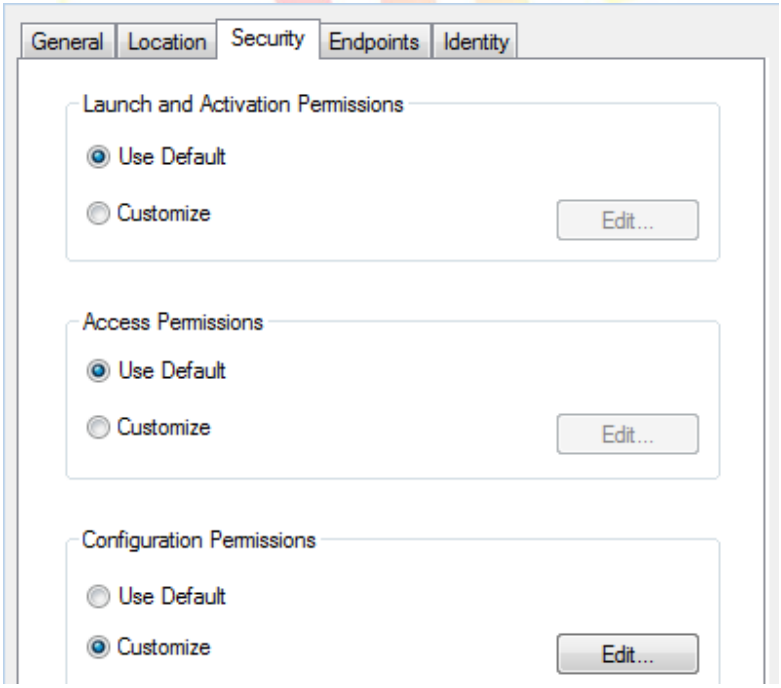
a. Select ‘Component Services’ > ‘Computers’ > ‘My Computer’ > ‘DCOM Config’



b. Right-click on ‘NAPOPC_ST DA Server’ to select ‘Properties’

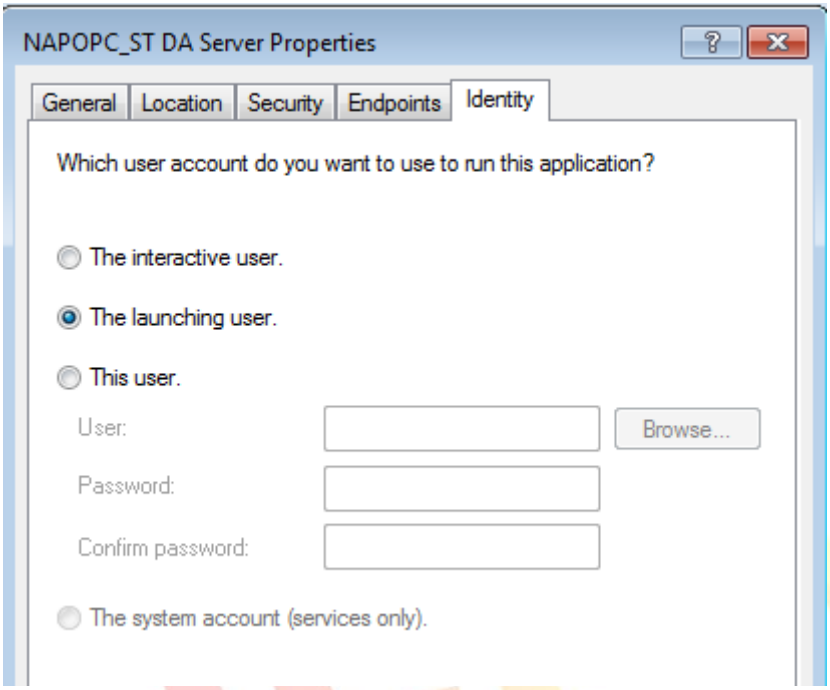


c. Set up ‘Security’ as the following picture



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d. Set up 'Identity'



Description:

- **The interactive user**
  Click to specify that the application runs under the identity of the user who is currently logged on to the computer. This user's security credentials are used when the application is authenticated to access resources. (The Windows Desktop login is required, and the login account must be the same as the connecting account.)

- **The launching user**
  Click to specify that the application runs using the security context of the user who started the application (the launching user) so that the application can be authenticated in the domain. The launching user may be the same as the interactive user. (The application must be executed first, and the executing account must be the same as the connecting account.)

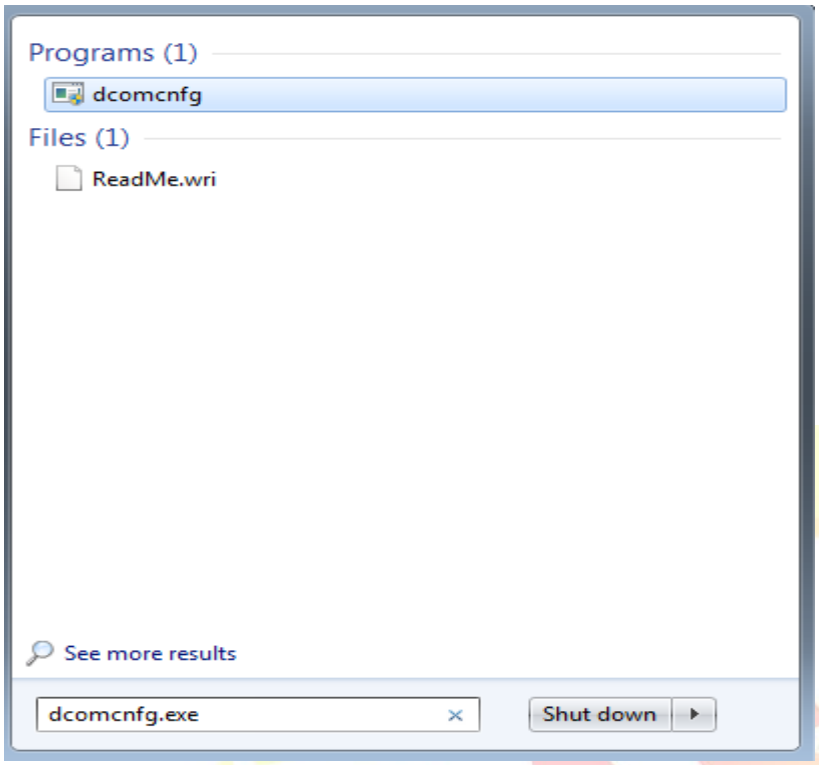
- **This user**
  Click to specify that the application runs using the security context of the specified user account so that it can be authenticated in the domain. Type the user name and password. (It can connect without login the Windows Desktop, and the application is executed and secured by the assigned user name and password.)

- **The system account**
  Click to specify that the server application runs using the security context of the built-in System account. This option is available only for applications that are installed as a service. (Not support)

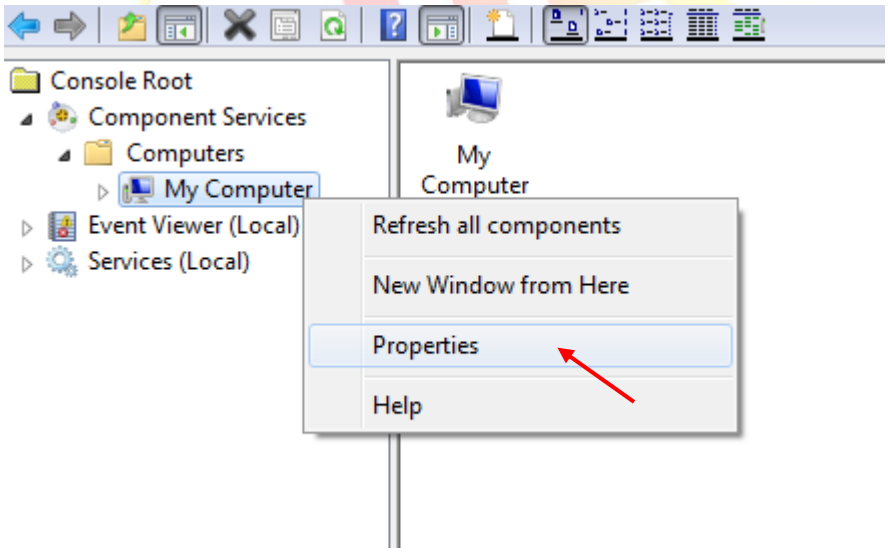
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3.2 Setting the DCOM (Client-side)

Step 1: Execute the program ‘dcomcnfg.exe’ from the Start menu

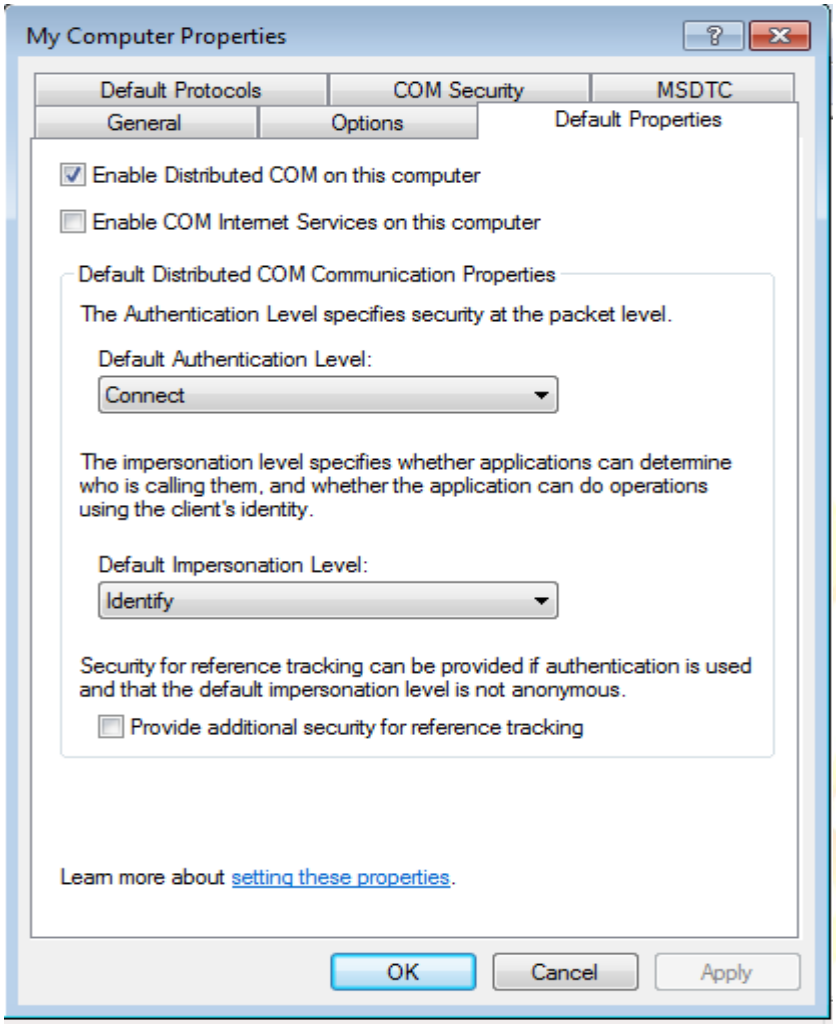


Step 2: Click ‘Component Services’ > ‘Computers’. Mouse right-click on ‘My Computer’ and select ‘Properties’.



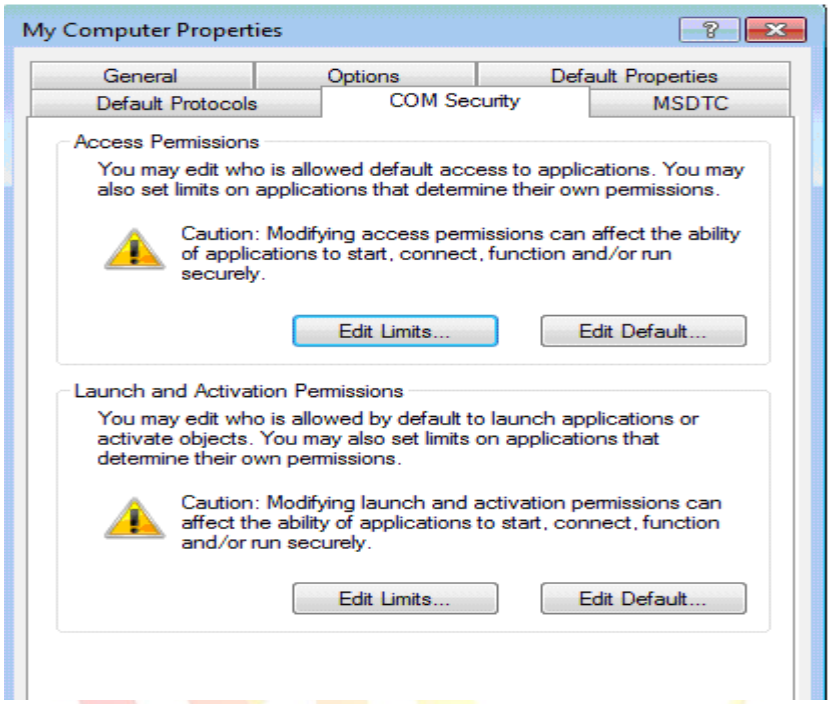
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Step 3: configure ‘Default Properties’ as the following picture.

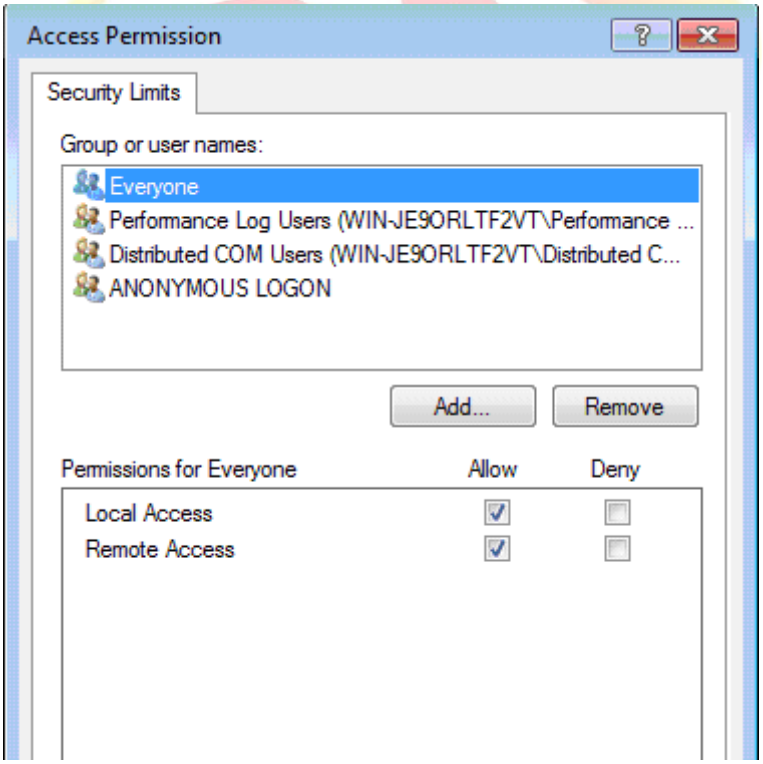


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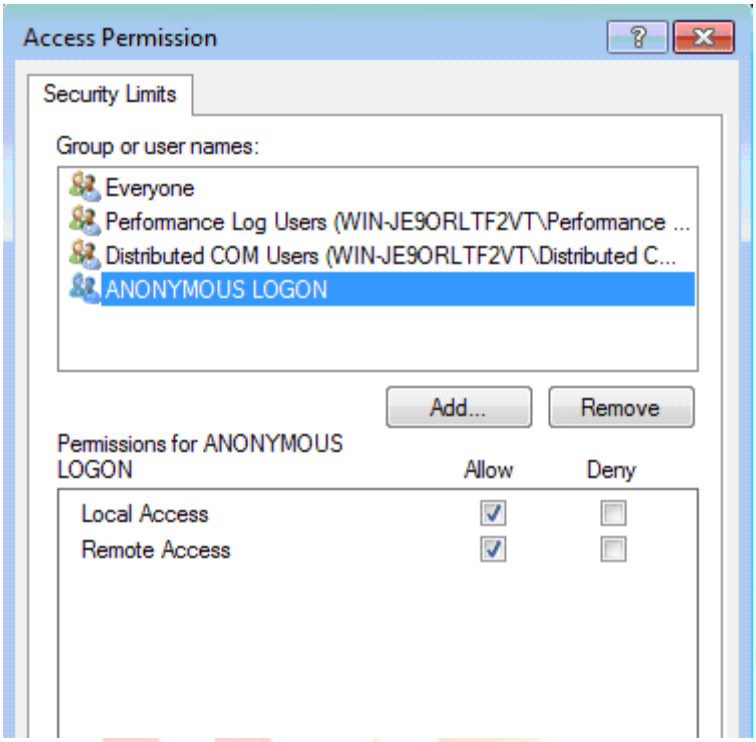
Step 4: configure ‘COM Security’ as the following pictures.



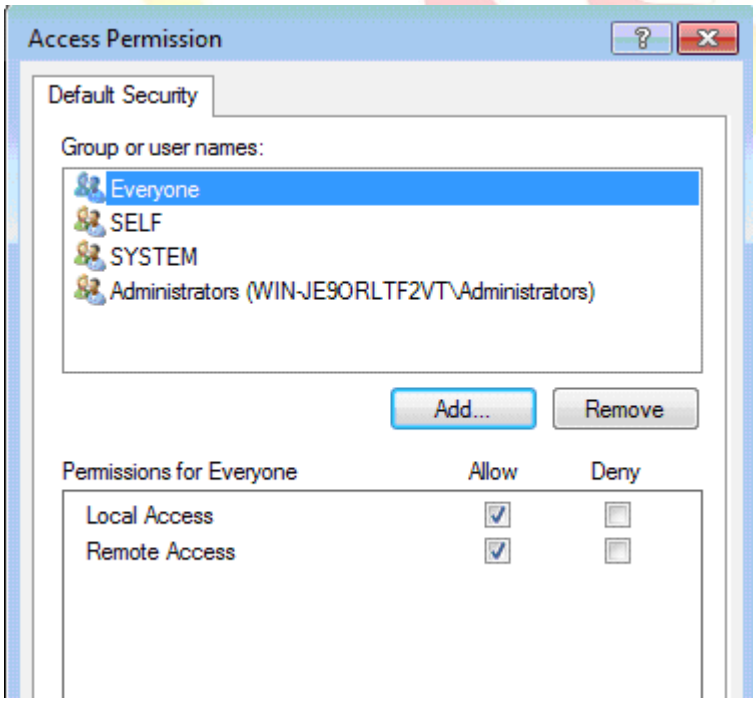
a. Select ‘Access Permission’ > ‘Security Limits’
(Please ‘Add’ the item ‘Everyone’ if you don’t have it)



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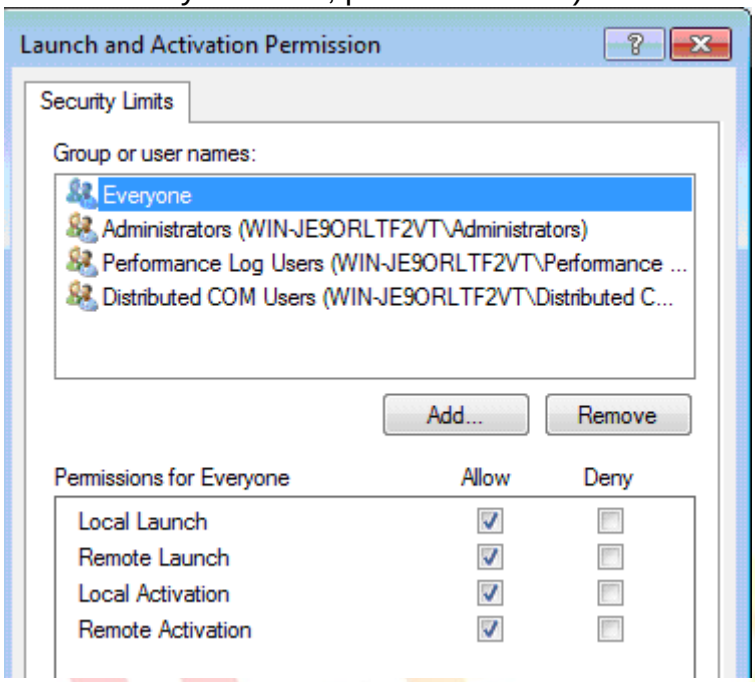


b. Select ‘Access Permission’ > ‘Edit Default…’
(If there is no ‘Everyone’ item, please add one.)

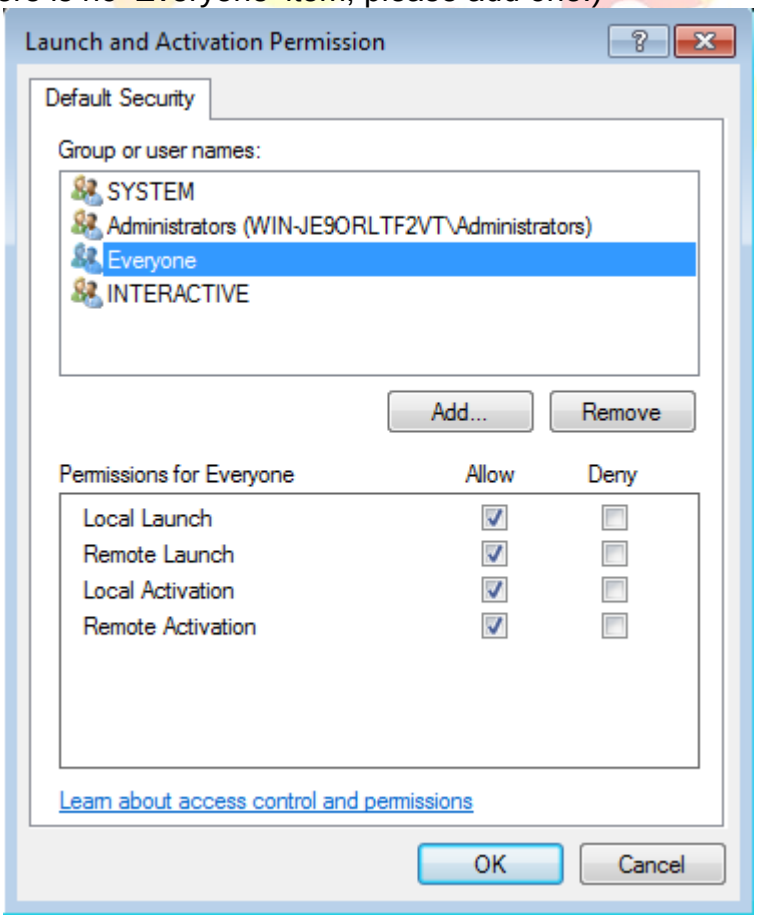


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c. Select ‘Launch and Activation Permission’ > ‘Security Limits’
(If there is no ‘Everyone’ item, please add one.)



d. Select ‘Launch and Activation Permission’ > ‘Edit Default…’
(If there is no ‘Everyone’ item, please add one.)

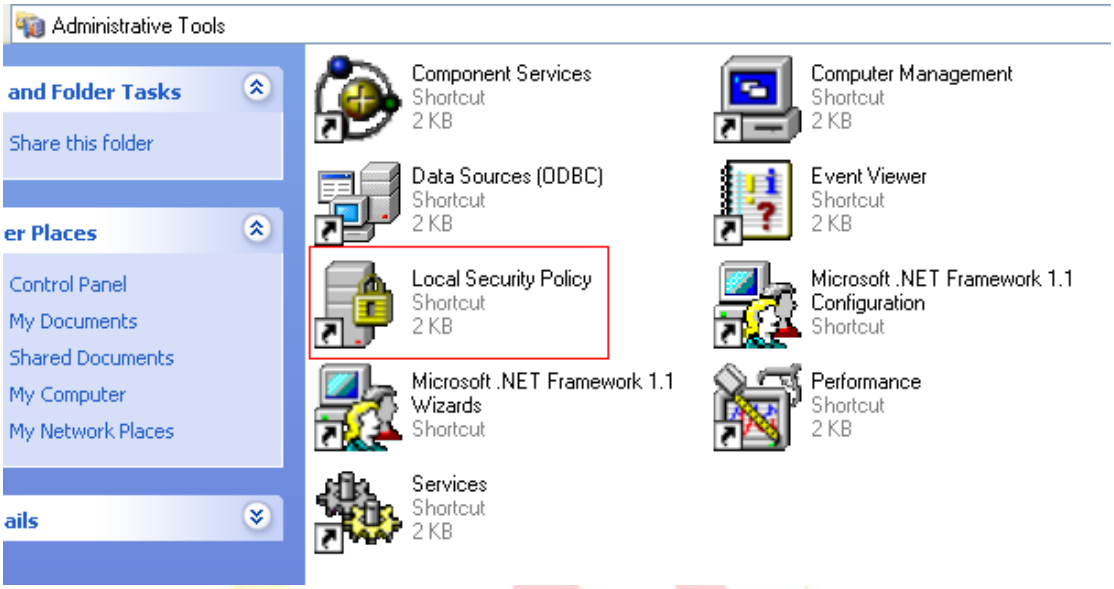


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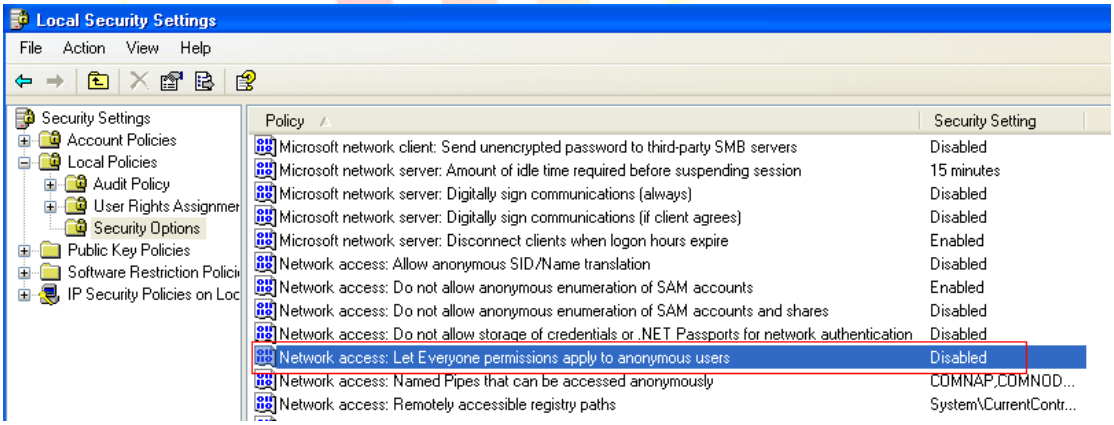
Step 5:

When using Windows XP as a Server, user need to configure NAPOPC_ST on the Windows XP (Please refer to the manual '4.2.2 Configuring On the Server Site'), besides, user must complete the following setups to well connect with Windows 7.

a. Click 'Start' > 'Control Panel' > 'Administrative Tools', and then double click 'Local Security Policy'.

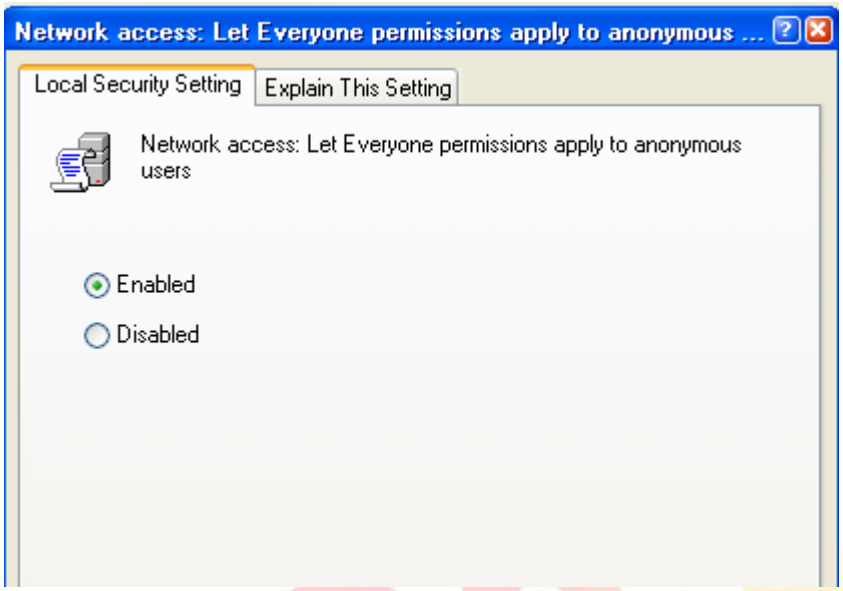


b. Select 'Local Policies' > 'Security Options' on the left side, set up the 'Network access: let Everyone permission apply to anonymous users'.



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c. Select ‘Enabled’



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