

# 30



# Starting 'Pro-Server EX' in the Service Mode

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## 30.1 Try to Start 'Pro-Server EX' in the Service Mode

There are two types of mode to start 'Pro-Server EX' in: "Normal Mode" and "Service Mode". "Normal Mode" is set just after installation. Log on to Windows as well as normal applications to start 'Pro-Server EX' (Refer to "3.1 Starting 'Pro-Studio EX'" for more details on how to start in the normal mode).

When 'Pro-Server EX' is set to start in "Service Mode", 'Pro-Server EX' starts up with Windows. You do not need to log on to Windows to start it. This function is useful when you use 'Pro-Server EX' for system operation.

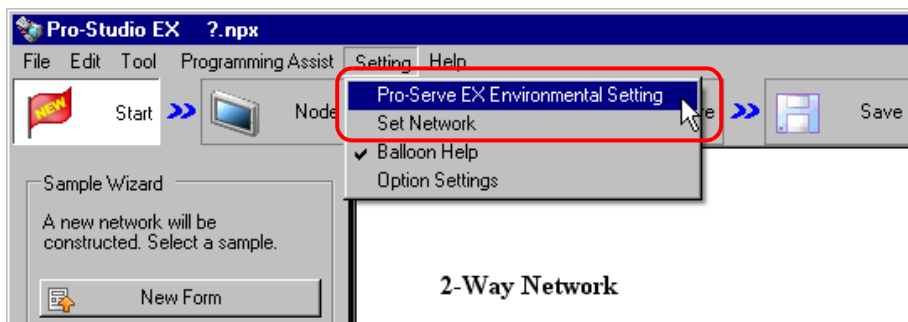
**IMPORTANT**

- When starting 'Pro-Server EX' in the "Service Mode", you cannot use the "Excel Form" or "Creating a Form Using Excel" Actions.
- "Service Mode" is not available when using WinGP SDK.
- To start 'Pro-Server EX' as a service on Windows Vista or later, the "User Account Control Function" must be disabled. Refer to "30.2 Restrictions" for more details.
- There are further restrictions. Refer to "30.2 Restrictions" for more details.

### 30.1.1 Settings to Start 'Pro-Server EX' in the Service Mode

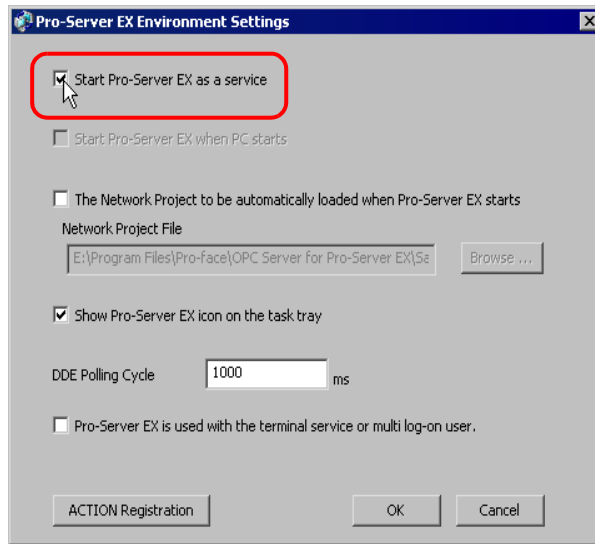
To start 'Pro-Server EX' as Windows service (in the "Service Mode"), start 'Pro-Studio EX' first and set the operation mode of 'Pro-Server EX' to "Service Mode".

- 1 Click [Pro-Server EX Environmental Setting] under [Setting] menu.


**NOTE**

- You can also select [All Programs] - [Pro-face] - [Pro-Server EX] - [Pro-Server EX Environmental Setting] from the Windows [Start] button to display the [Pro-Server EX Environmental Setting] screen.
- When using 'Pro-Server EX' on Windows Vista or later, the "User Account Control" dialog box will be displayed before performing "Environmental Setting". When it is displayed, click [Allow].

2 Check [Start Pro-Server EX as a service].

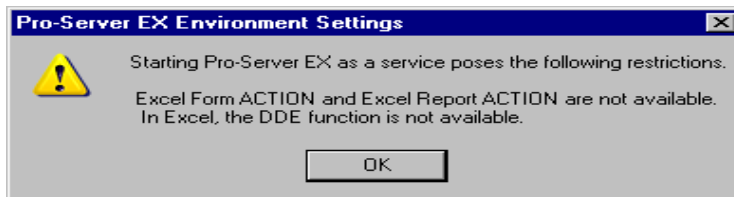


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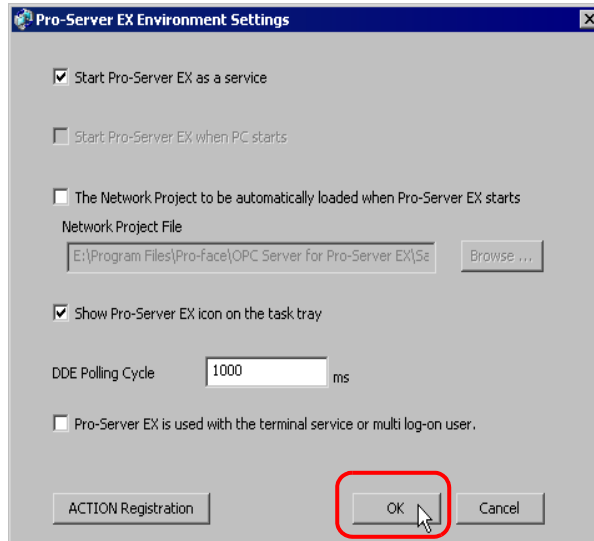
**NOTE** • To start 'Pro-Server EX' in "Normal Mode", uncheck [Start Pro-Server EX as a service].

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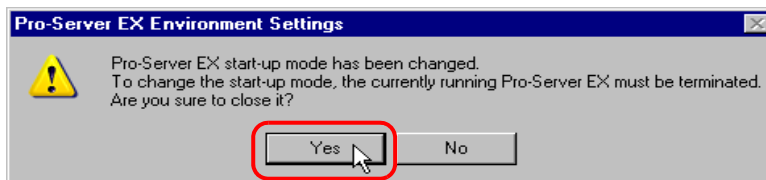
3 When you check [Start Pro-Server EX as a service], the dialog box to notify you of restrictions is displayed. Click the [OK] button.



4 Click the [OK] button.

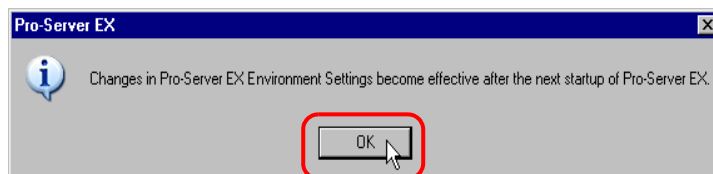


If you change the [Start Pro-Server EX as a service] option while 'Pro-Server EX' is running, the following dialog box is displayed: Click the [Yes] button.



**NOTE** • When using 'Pro-Server EX' on Windows Vista or later, the dialog box will be displayed. Click [OK].

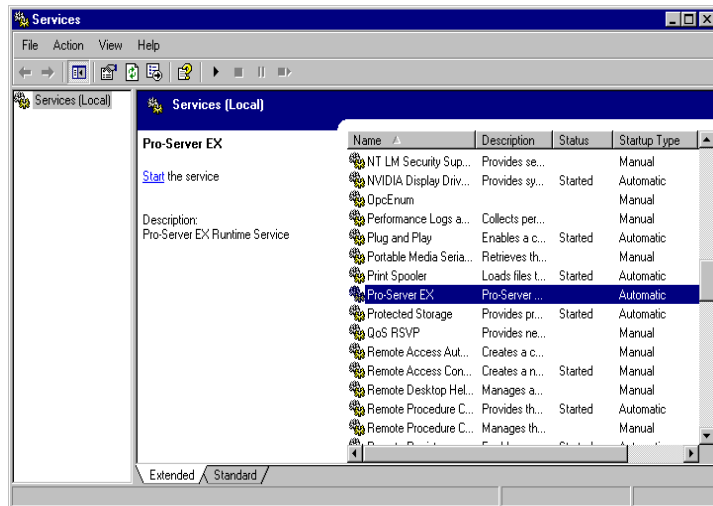
5 Click the [OK] button.



**NOTE** • If you have started 'Pro-Server EX', exit and start it again.  
 In the Normal Mode: Startup of 'Pro-Server EX'  
 In the Service Mode: 30.1.2 Starting and Closing 'Pro-Server EX' in the "Service Mode"

**NOTE**

- When you check [Start Pro-Server EX as a service] ("Service Mode"), the "Startup Type" of 'Pro-Server EX' is set to "Automatic" on the [Services] screen. When you start or restart your PC next time, 'Pro-Server EX' automatically starts.



- When you uncheck [Start Pro-Server EX as a service] (normal mode), the "Startup Type" of 'Pro-Server EX' is set to "Manual" on the [Services] screen.

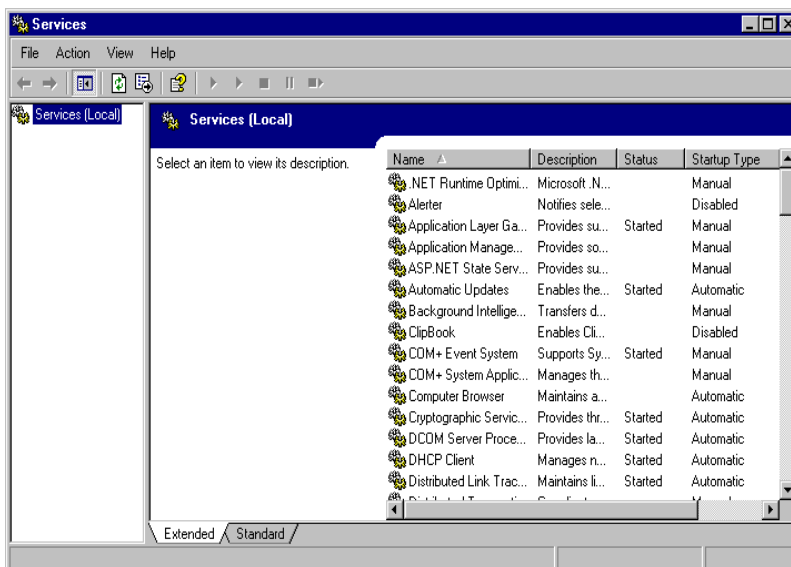
### 30.1.2 Starting and Closing 'Pro-Server EX' in the "Service Mode"

When you set the starting method of 'Pro-Server EX' to "Service Mode", it automatically starts when you start or restart your PC. However, just after you change the starting method or you close it manually, start it as follows:

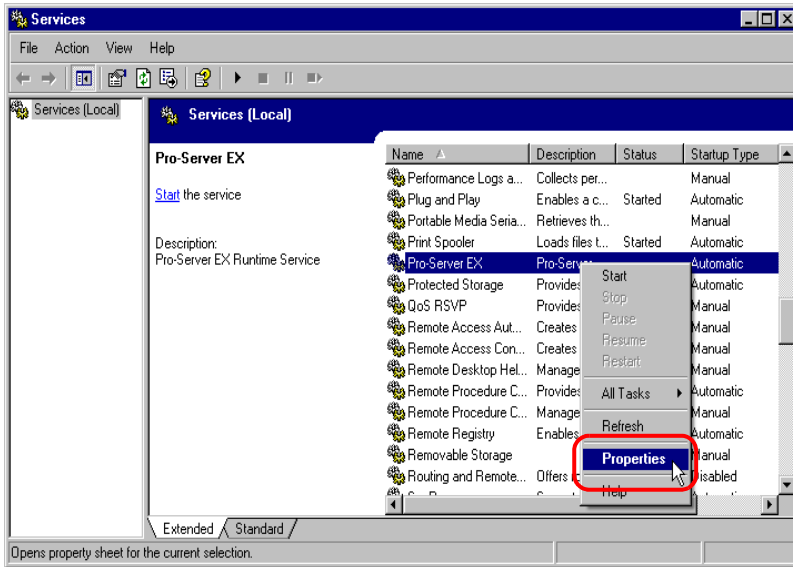
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- IMPORTANT**
- Log on to Windows with the user name of "Administrator" or of the equivalent administrator authority. Refer to the operation manual of the OS for the user authority.
  - When you set the starting method of 'Pro-Server EX' to "Normal Mode", you cannot use this method. Refer to "30.1 Try to Start 'Pro-Server EX' in the Service Mode" and change to "Service Mode".
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- NOTE**
- When 'Pro-Server EX' is set to start in "Service Mode", you can also click on the 'Pro-Server EX' icon on the desktop or select 'Pro-Server EX' from the [Start] button on Windows to start it. You can also select 'Close Pro-Server EX' from the [Start] button on the task bar to close it.
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1 From the [Control Panel], open [Administrative Tools] - [Services].

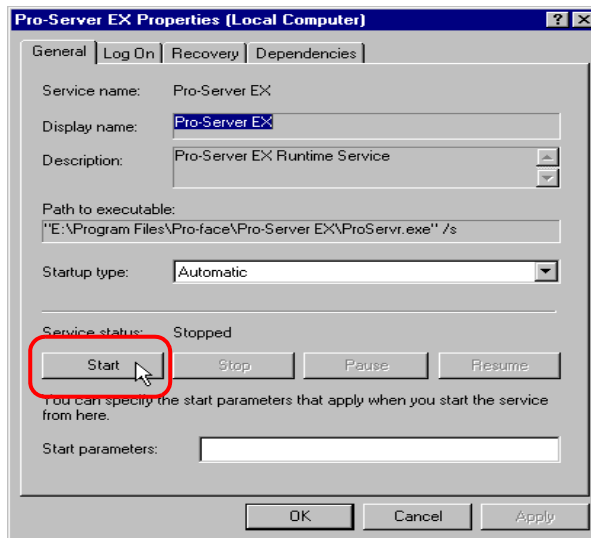


2 Right-click on 'Pro-Server EX' and select [Properties] from the menu.



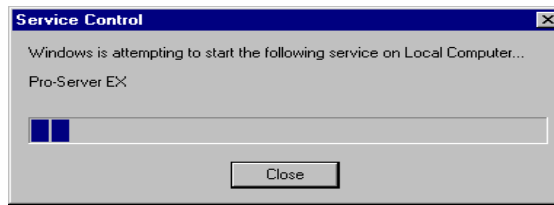
**NOTE** • You can also select [Start] from the menu to start 'Pro-Server EX'. When you select [Stop] or [Restart], you can close or restart 'Pro-Server EX'.

3 In the [General] tab, check that the [Startup Type] is [Automatic], and then click [Start].

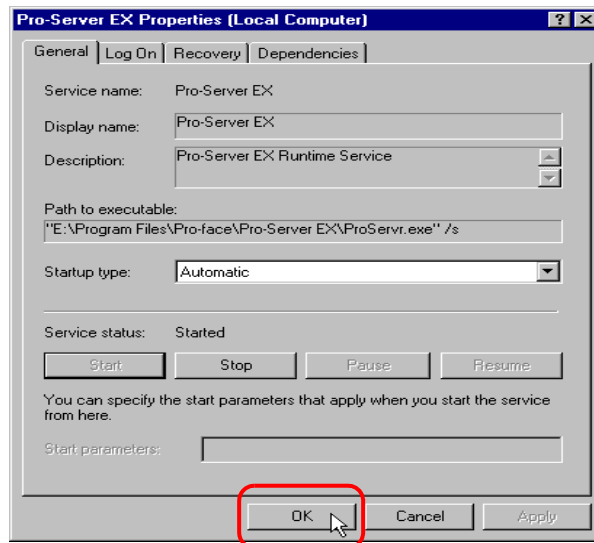


**NOTE** • You can click the [Stop] button to close 'Pro-Server EX'.  
• If the "Startup type" is not set to "Automatic", 'Pro-Server EX' does not start automatically when starting or restarting a PC. To start it automatically, set the "Startup type" to "Automatic".

The "Service Control" screen is displayed.



4 Click the [OK] button.





## 30.2 Restrictions

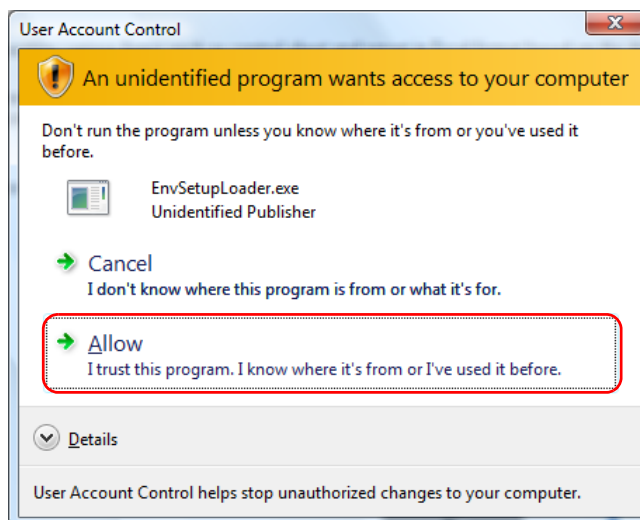
### ■ Restrictions when Starting 'Pro-Server EX' in the "Service Mode"

- NOTE** • Depending on the operating system you are using, the display and part names may differ. If so, replace the names with those with similar features used in your system configuration.

- Be sure to check "Allow service to interact with desktop". If you uncheck it, operation cannot be guaranteed. Confirm the setting as follows:
  1. Select "Administrative Tools" and "Services" under the "Control Panel".
  2. Right-click on 'Pro-Server EX' and select [Properties] from the menu.
  3. Click the [Log On] tab and confirm "Allow service to interact with desktop" is checked. If unchecked, check it.
  4. Click the [OK] button.
- Do not use the "Excel Form" or "Creating form using Excel" Actions. Operation cannot be guaranteed if you use them.
- Do not use the "DDE function" of 'Excel'. If you use it, Excel freezes.

### ■ On Windows Vista or Later

- The "User Account Control" dialog box will be displayed before performing "Environmental Setting". When it is displayed, click [Allow].

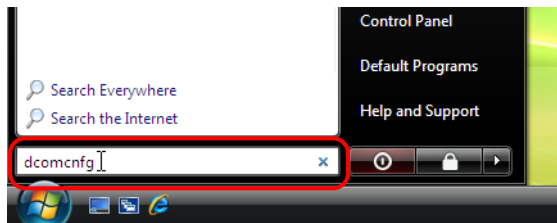


- To start 'Pro-Server EX' as a service, the "User Account Control Function" must be disabled. Refer to the following for the steps to disable the "User Account Control Function".
  1. Select "User Account" under the "Control Panel".
  2. Click "Turn User Account Control on or off". (When using Windows 7 or Windows 8/8.1, click [Change User Account Control settings].)

3. Clear the [Use User Account Control (UAC) to help protect your computer] check box and click the [OK] button. (When using Windows 7 or Windows 8/8.1, set the cursor to [Never notify].)
- To start 'Pro-Server EX' as a service, the following ACTIONS are not supported.
    - Writes Data to Excel Book
    - Upload of GP Log Data
    - Automatic Upload of GP Filing Data
    - Automatic Download of GP Filing Data
    - Download Recipe data for Excel
    - Upload to the database
    - Download from the database

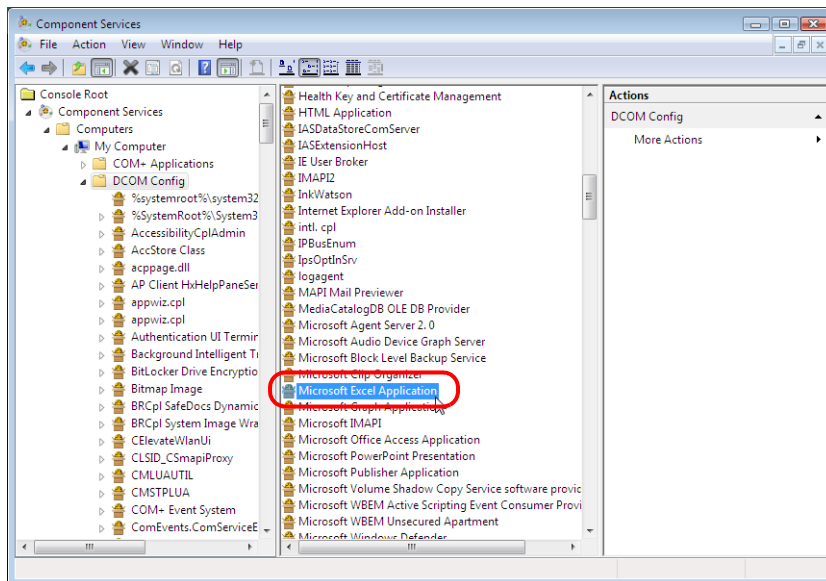
Executing any of these ACTIONS will lead to an error and no processing is performed. However, setting as follows makes the execution possible even when Pro-Server EX runs as a service:

1. In the command input field of the [Start] menu, type "dcomcnfg".



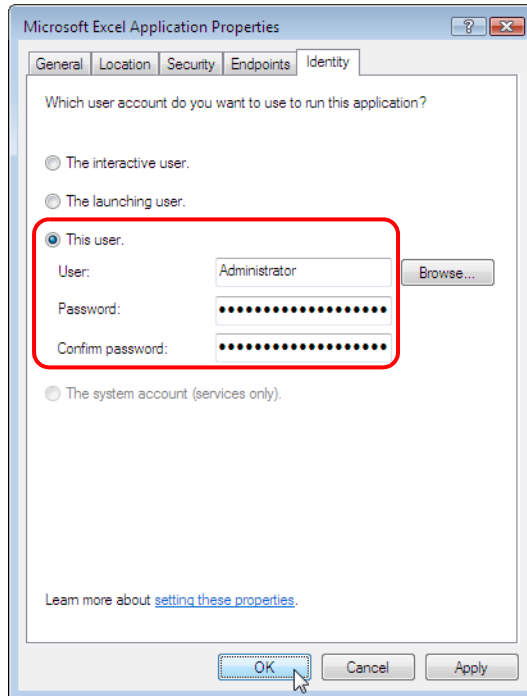
[Component Services] is displayed.

2. From the left-hand tree, select [Console Root]-[Component Services]- [Computers]- [My Computer]- [DCOM Config]-[Microsoft Excel Application].



3. From the right-click menu, select [Properties].
4. In the Properties dialogue, display the [Identity] tab.

5. Select [This user], enter a user with Administrator rights for the [User], and set the [Password].



6. Press [OK] and restart the operating system.

This allows the aforementioned ACTIONS but prevents the user who has logged in from using Microsoft Excel. (An OLE-related error will occur.)

Therefore, the user needs to use another computer to open a Microsoft Excel file. Please take notice of this restriction on using Microsoft Excel.

