

# 22



# Restoring Backup Device Data

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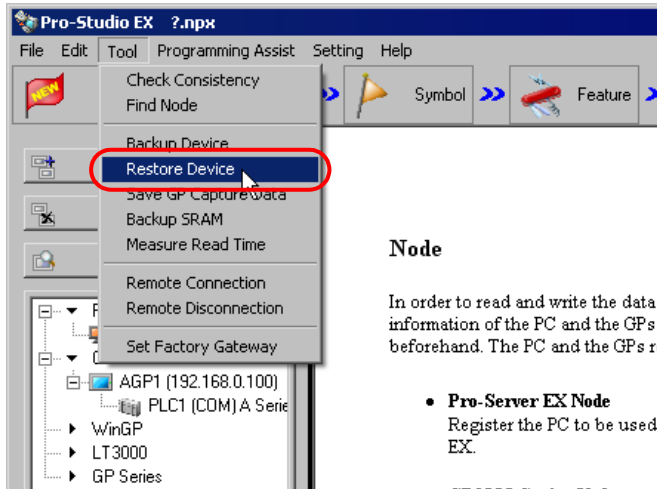
## 22.1 Try to Restoring Backup Device Data

You can restore the backup device data to the source device.

**NOTE**

- Restoring is available for the sequential device data.
- For the details of device data backup, please refer to "21 Saving Device Data Backup".

1 Click [Restore Device] from [Tool] on the menu bar.

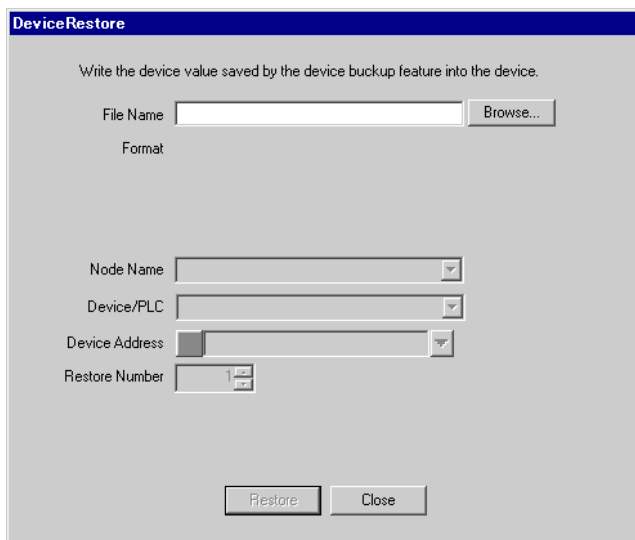


**Note**

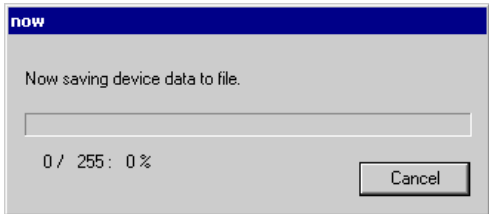
In order to read and write the data information of the PC and the GPs beforehand. The PC and the GPs re

- **Pro-Server EX Node**  
Register the PC to be used: EX.

2 Set all items in the "Device Restore" screen and click the [Restore] button.



The "now" screen is displayed, indicating the processing status of restoration.

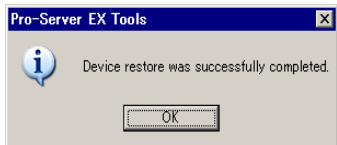


**NOTE** • The set contents in the "Device Restore" screen are incorrect, the following message appears:

Message	Required action
You cannot designate a bit-type symbol to data restoration other than in the BIT format	If you designated a BIT symbol in the [Device Address] field, you cannot restore data in formats other than BIT. Reset the symbol other than in "BIT" in the [Device Address] field, and then restore.
You cannot designate a symbol other than in BIT to data restoration in the BIT format.	If you designated a symbol in formats other than BIT in the [Device Address] field, you cannot restore BIT data. Reset the BIT symbol in the [Device Address] field, and then restore.
The designated file is incorrect.	If you designate a Bit backup data file by 'Pro-Server' of the older version (V4.0) in the [File Name] field, you cannot restore it. Reset other file in the [File Name] field, and then restore.
The amount of data to restore is incorrect.	Please set up restore devices only up to the maximum limit and run restore again. The amount of data you can restore is different depending on the device data type, and so on.
Device address is not valid. Or designed access type is not supported.	Set up an accessible device address or symbol and run restore again.

When the saving process has been completed successfully, the message of "Device restore was successfully completed." appears.

Click the [OK] button to finish the process.



## 22.2 Setting Guide

DeviceRestore

Write the device value saved by the device backup feature into the device.

File Name  Browse...

Format

Node Name

Device/PLC

Device Address

Restore Number

Restore Close

Setting item	Setting content
File Name	Set the file name where the device data is backed up. Click the [Browse] button or enter the file name directly to select the file.

Setting item	Setting content																																																										
Format	<p>If you designate a file in the [File Name] field, the following table showing formats corresponding to files will appear.</p> <table border="1"> <thead> <tr> <th>File format</th> <th>Data format</th> <th>Write format</th> <th>Display</th> </tr> </thead> <tbody> <tr> <td rowspan="6">BIN</td> <td>Bit</td> <td>-</td> <td>Bit</td> </tr> <tr> <td>8 bits</td> <td>-</td> <td>8 bits</td> </tr> <tr> <td>16 bits</td> <td>-</td> <td>16 bits</td> </tr> <tr> <td>32 bits</td> <td>-</td> <td>32 bits</td> </tr> <tr> <td>64 bits</td> <td>-</td> <td>64 bits</td> </tr> <tr> <td>String</td> <td>-</td> <td>Text</td> </tr> <tr> <td rowspan="15">CSV</td> <td>Bit</td> <td>-</td> <td>Bit</td> </tr> <tr> <td rowspan="3">8 bits</td> <td>Unsigned decimal</td> <td>8 bits unsigned decimal</td> </tr> <tr> <td>Signed decimal</td> <td>8 bits signed decimal</td> </tr> <tr> <td>Hexadecimal</td> <td>8 bits hexadecimal</td> </tr> <tr> <td rowspan="3">16 bits</td> <td>Unsigned decimal</td> <td>16 bits unsigned decimal</td> </tr> <tr> <td>Signed decimal</td> <td>16 bits signed decimal</td> </tr> <tr> <td>Hexadecimal</td> <td>16 bits hexadecimal</td> </tr> <tr> <td rowspan="3">32 bits</td> <td>Unsigned decimal</td> <td>32 bits unsigned decimal</td> </tr> <tr> <td>Signed decimal</td> <td>32 bits signed decimal</td> </tr> <tr> <td>Hexadecimal</td> <td>32 bits hexadecimal</td> </tr> <tr> <td rowspan="3">64 bits</td> <td>Unsigned decimal</td> <td>64 bits unsigned decimal</td> </tr> <tr> <td>Signed decimal</td> <td>64 bits signed decimal</td> </tr> <tr> <td>Hexadecimal</td> <td>64 bits hexadecimal</td> </tr> <tr> <td>String</td> <td>-</td> <td>Text</td> </tr> </tbody> </table> <p><b>NOTE</b></p> <ul style="list-style-type: none"> <li>When restoring the CSV file when the data format is [String], if the number of characters for the string is less than the size of the destination device, the NULL character is appended. If the number of characters exceeds the size of the destination device, you cannot restore the string.</li> </ul>	File format	Data format	Write format	Display	BIN	Bit	-	Bit	8 bits	-	8 bits	16 bits	-	16 bits	32 bits	-	32 bits	64 bits	-	64 bits	String	-	Text	CSV	Bit	-	Bit	8 bits	Unsigned decimal	8 bits unsigned decimal	Signed decimal	8 bits signed decimal	Hexadecimal	8 bits hexadecimal	16 bits	Unsigned decimal	16 bits unsigned decimal	Signed decimal	16 bits signed decimal	Hexadecimal	16 bits hexadecimal	32 bits	Unsigned decimal	32 bits unsigned decimal	Signed decimal	32 bits signed decimal	Hexadecimal	32 bits hexadecimal	64 bits	Unsigned decimal	64 bits unsigned decimal	Signed decimal	64 bits signed decimal	Hexadecimal	64 bits hexadecimal	String	-	Text
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	String	-	Text																																																								
	Node Name	Select the node name of restoring destination. The list indicates the nodes registered in the network project file under loading.																																																									
Device/PLC	Select the Device/PLC of restoring destination.																																																										
Device Address	Enter the device address (or symbol) to start the restoration. By default, the leading address saved in the file is displayed when you set the file name.																																																										
Restore Number	Enter the number of restoration data. By default, the number of data saved in the file is displayed when you set the file name.																																																										

