23 Enhancing Security

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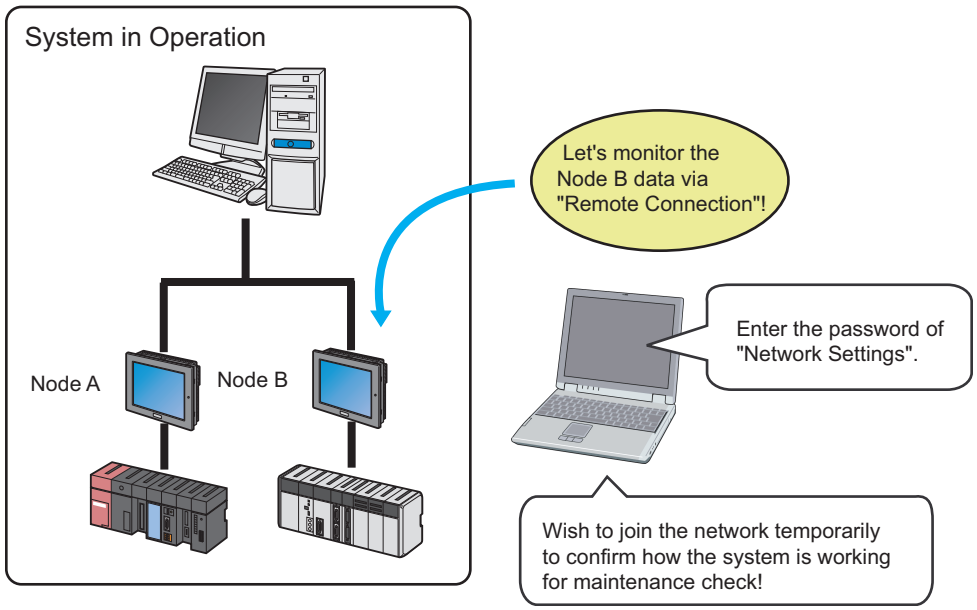
23.1 Blocking Unauthorized Access with Password

In order to prevent unauthorized access by a node that has not been registered on the network, you can set a password for the network to enhance the security.

☞"34.2 Network Setup"

Access from a personal computer outside of the network by entering a password is called "Remote Access". Remote access allows to access to the node in the network, which is protected by this security function.



The procedures of remote access and cutting are explained below.

NOTE

- 'Pro-Server EX' has 3 security functions as follows:

  (1) Protect a device access from a node that has not been registered on the network.

  ☞"23.1 Blocking Unauthorized Access with Password"

  (2) Protect unauthorized access when saving a network project file.
  Set password protection from [Enter password when saving] on the save screen.

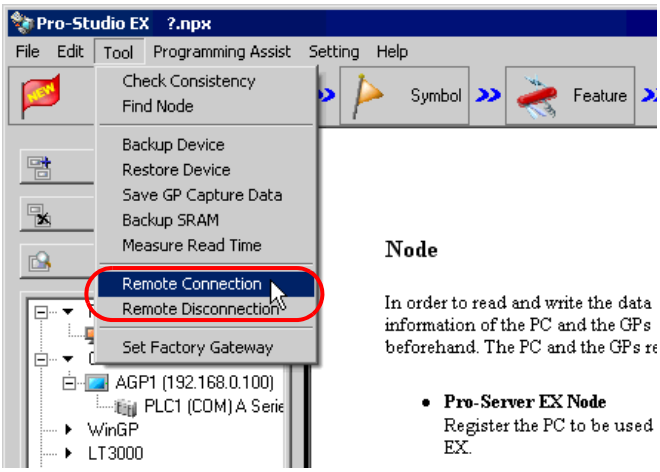
  ☞"23.2 Blocking Unauthorized Editing with Password"

  (3) Protect unauthorized access when transferring a network project file to display unit.

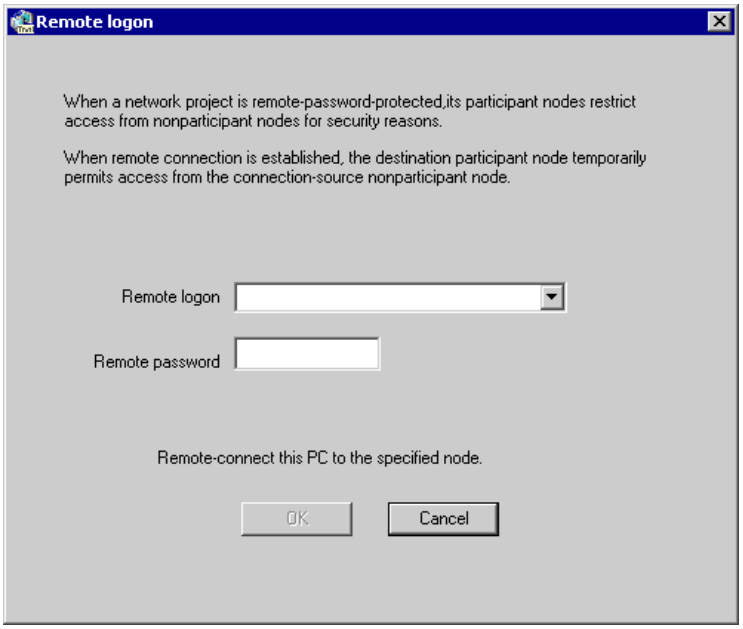
  ☞"23.3 Blocking Unauthorized Transfer with Password" or 'GP-Pro EX Reference Manual'

23.1.1 Remote Access

1 Click [Remote Connection] from [Tool] on the menu bar.



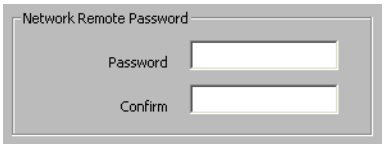
The "Remote logon" screen will appear.



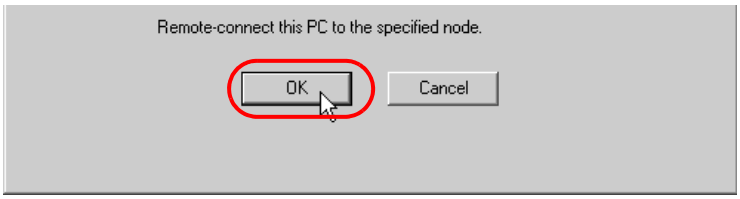
2 Click the list button of [Remote logon] and enter the node for remote access and the password.

NOTE

- "*****" appears when entering a password.
- The password to be entered is that set in [Setting/Set Network].



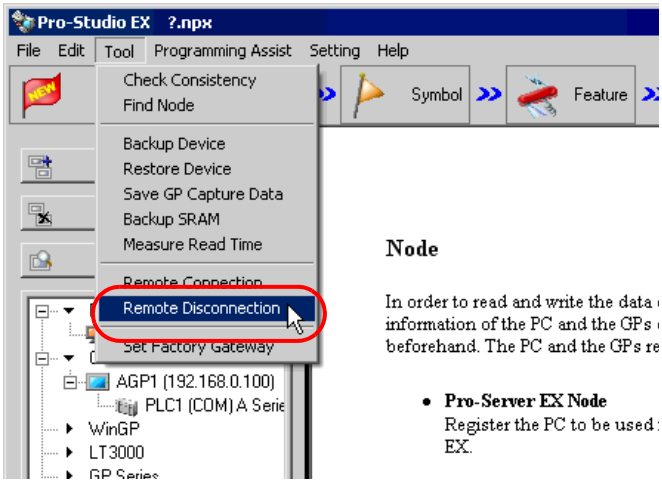
3 Click the [OK] button.



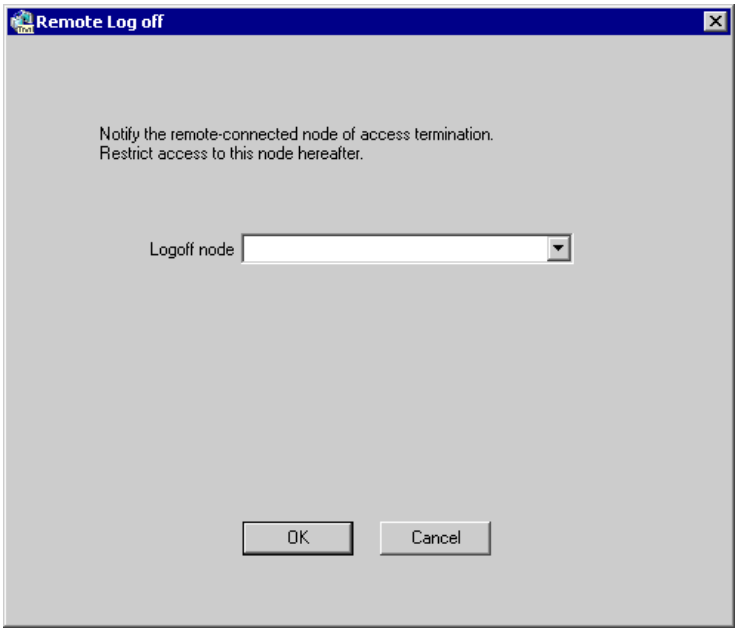
Remote access is performed to the specified node.

23.1.2 Remote Cutting

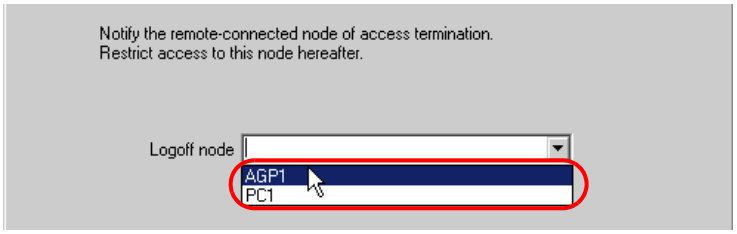
1 Click [Remote Disconnection] from [Tool] on the menu bar.



The "Remote Logoff" screen will appear.



2 Click the list button of [Logoff node] and select the node for remote cutting. Then click the [OK] button.



Remote access to the specified node is cut.

NOTE

- When Pro-Server EX node and WinGP node work with 1 PC, when remote connection is cut off, because also connection with the WinGP node is cut off in addition to the participation node which is appointed please note.

23.2 Blocking Unauthorized Editing with Password

To protect the contents of a network project file, you can set a password when saving a created network project file.

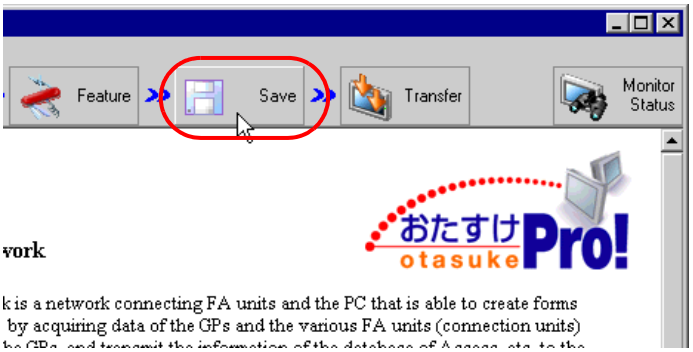
Once a password is set, a password entry screen will appear when saving a network project file after editing. In this case, you cannot save the network project file without entering the correct password.

23.2.1 Password Setting for File Saving

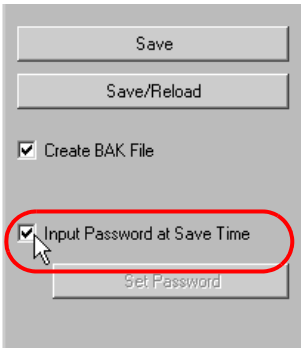
This step sets a password when saving a new network project file.

1 Create a network project file.

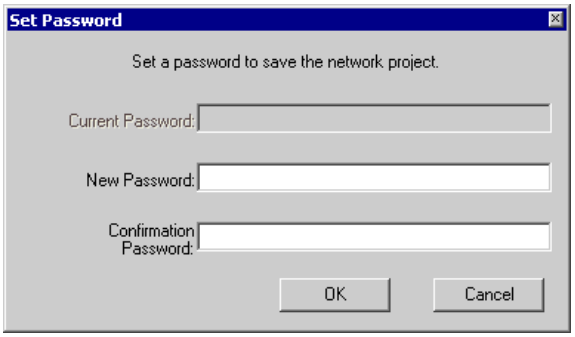
2 Click the [Save] icon on the toolbar.



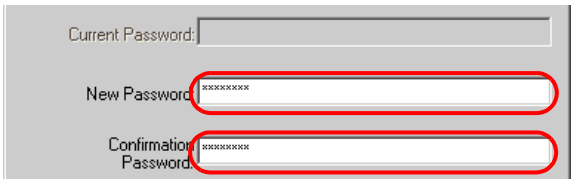
3 Check [Input Password at Save Time].



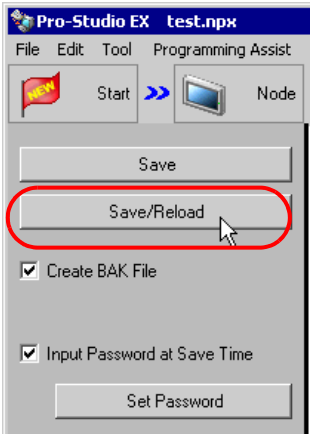
The "Set Password" screen will appear.



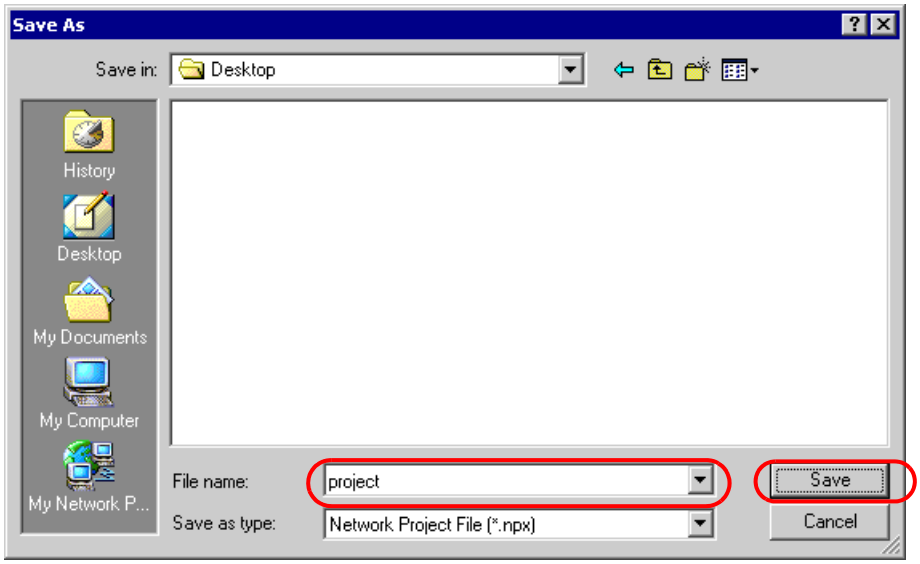
4 Enter a password to be set in [New Password] and the same password in [Confirmation Password], and click the [OK] button.



5 Click the [Save] or [Save/Reload] button.



6 Enter a file name and click the [Save] button.



7 Enter the password registered and click the [OK] button.

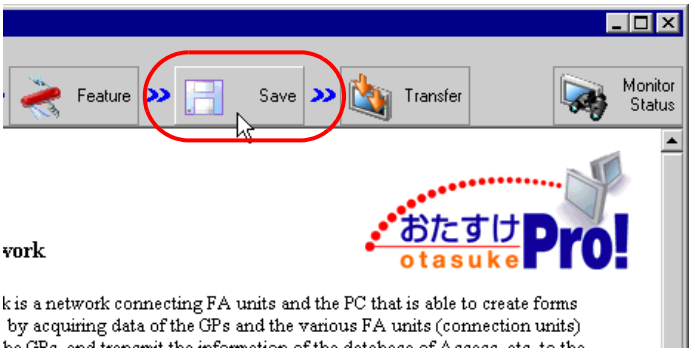
The network project file secured by the password is saved.

23.2.2 Editing and Saving Network Project having Password Setting

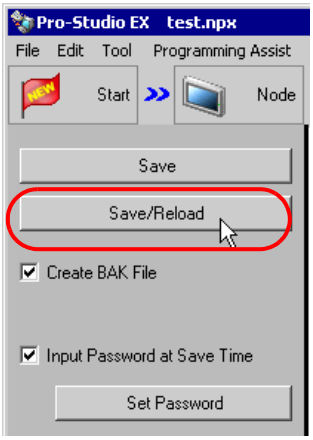
This step edits and saves a network project file having password setting.

1 Edit a network project file.

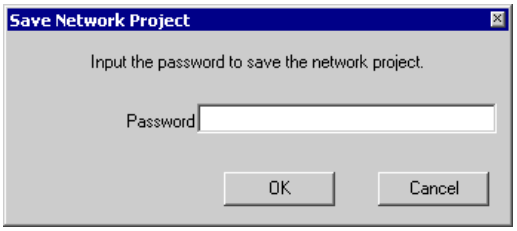
2 Click the [Save] icon on the status bar.



3 Click the [Save] or [Save/Reload] button.



The "Save Network Project" screen will appear.



4 Enter the password registered and click the [OK] button.

The edited network project file is saved.

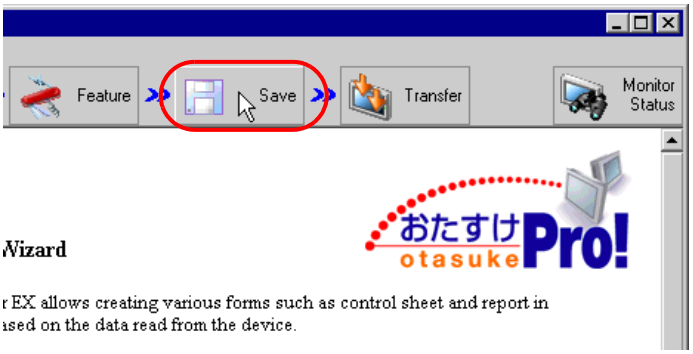
NOTE

- If an incorrect password is entered, the following dialog box will appear. Click the [OK] button and enter the correct password.

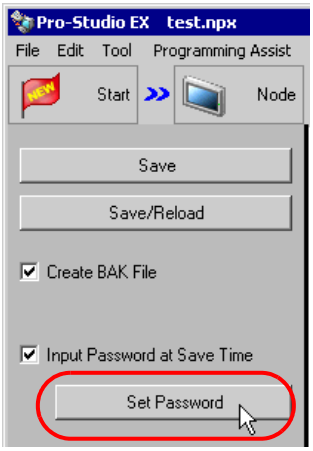
23.2.3 Changing Passwords

This step changes the password specified for a network project file.

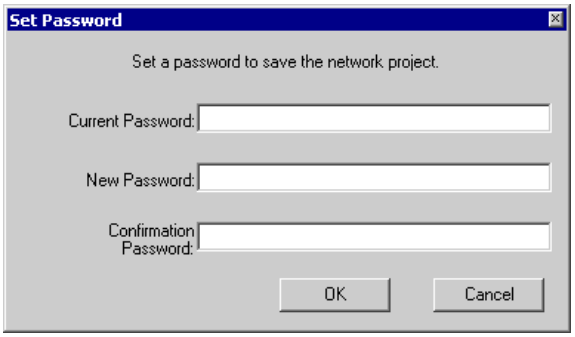
1 Open a network project file and click the [Save] button on the toolbar.



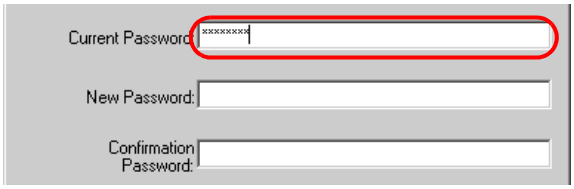
2 Click the [Set Password] button.



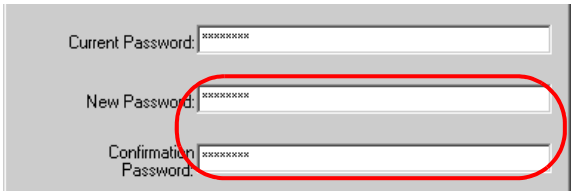
The "Set Password" screen will appear.



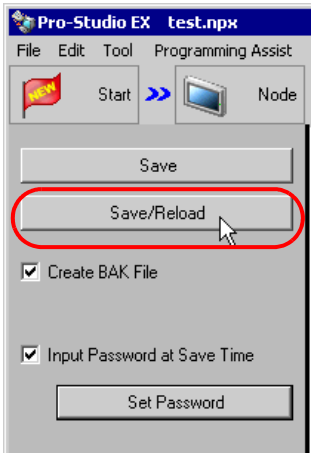
3 Enter the currently registered password in [Current Password].



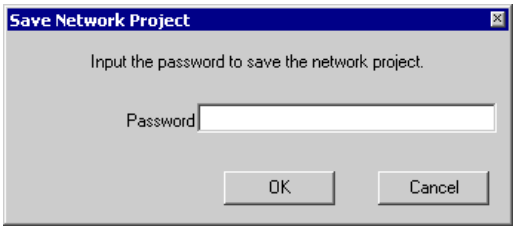
4 Enter a new password to be set in [New Password] and the same password in [Confirmation Password], and click the [OK] button.



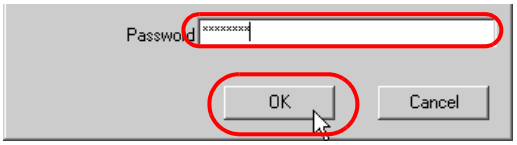
5 Click the [Save] or [Save/Reload] button.



The "Save Network Project" screen will appear.



6 Enter the new password and click the [OK] button.



The network project file secured by the new password is saved.

23.3 Blocking Unauthorized Transfer with Password

When a network project file is transferred to display unit, enter the password to access if the display unit has password protection.

Refer to 'GP-Pro EX Reference Manual' about the display unit password setting.

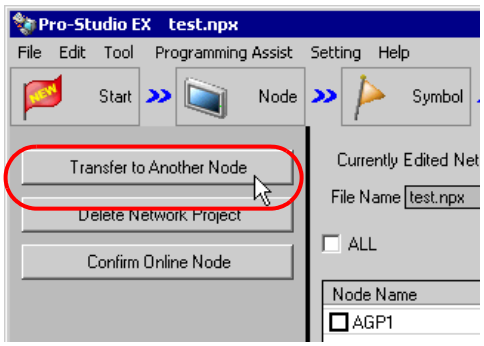
23.3.1 Access to display unit Secured by Password

This step enters a password when transferring a network project file.

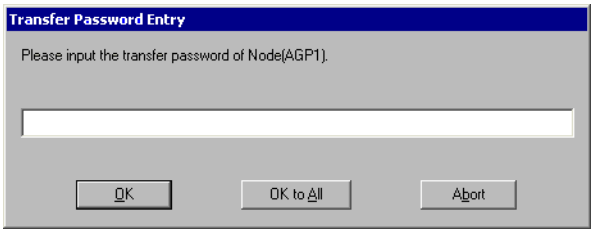
1 Create and save a network project file.

2 Click the [Transfer] icon on the status bar.

3 Specify the node to which the network project file is transferred and click the [Transfer to Another Node] button.



4 Enter the password set for display unit and click the [OK] button.



The network project file is transferred to the display unit secured by the password.

NOTE

- Click the [OK to All] button to apply the password entered here to all the nodes to which the network project file is transferred.
- Click the [Abort] button to stop password entering and transfer processing.

23.4 Restrictions

- When using the Remote Password and GP-Pro EX's Ethernet Multilink features simultaneously, register the slave Displays as reference nodes in the Pro-Server EX network project set up with the Multilink feature, and then transfer to the master Display.
  If the slave Displays are not registered as reference nodes, communication is not possible with the master Display.
  You do not need to transfer the network project to the slave Display.
- When using GP-Viewer EX to access a Display that uses the Remote Password feature, register the GP-Viewer EX operation environment as a reference node in the Pro-Server EX network project, and then transfer to the Display.
  If the operation environment is not registered as a reference node, communication is not possible between GP-Viewer EX and the Display.
  Also, select the reference node type as [Pro-Server EX].