

Downloading an NJ/NX Project

Steps

This section describes how to download (write) data to the PLC.

- ① Go online with the PLC.
- ② Display the project transfer dialog box.
- ③ Download the project from the PC to the Controller.

Detailed Steps

① Go online with the PLC.

Click the icon shown in the red frame below to go online.



When the online connection is successful, a yellow bar appears below the menu bar.



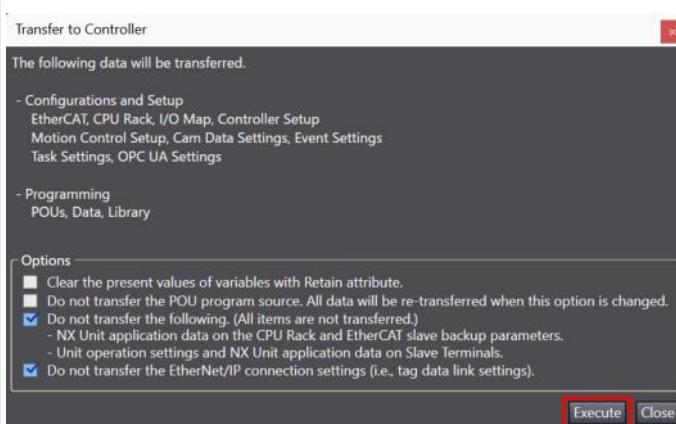
② Display the project transfer dialog box.

Click the icon shown in the red frame (Transfer to Controller) below to display the transfer dialog box.



③ Download the project.

Confirm that appropriate check boxes are selected in the Options area and click the [Execute] button.



The meanings of the check boxes are as follows.

Clear the present values of variables with Retain attribute (Valid for Transfer to Controller).

Default: Not selected

If this check box is selected, the present values of Retain variables are cleared after executing Transfer to Controller.

Do not transfer the POU program source (Valid for Transfer to Controller). All data will be re-transferred when this option is changed.

Default: Not selected

If this check box is selected, programs are not transferred even when Transfer to Controller is executed.

* After this check box is selected, programs are not displayed when they are uploaded from another computer. However, variables and settings are transferred even if this check box is selected.

* When this check box is changed from Selected to Not selected without transferring the program source to the Controller, all data is transferred.

Do not transfer the following. (All items are not transferred.)

· NX Unit application data on the CPU Rack and CJ-series Special Unit parameters and EtherCAT slave backup parameters.

· Unit operation settings and NX Unit application data on Slave Terminals.

Default: Selected

If this check box is selected, the following parameters and data are not transferred.

They are not transferred in either direction: Transfer to Controller and Transfer from Controller.

· CJ-series Special Unit (only NJ) and EtherCAT slave parameters

- Unit operation settings and application data for NX Units
- * Parameters of ZW-series and FH-series are not transferred regardless of whether the check box is selected or not.

Do not transfer the EtherNet/IP connection settings (i.e., tag data link settings).

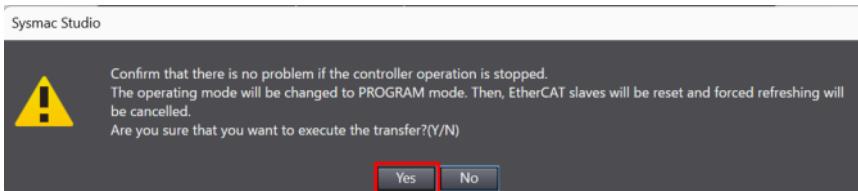
Default: Selected

If this check box is selected, the EtherNet/IP connection settings are not transferred.

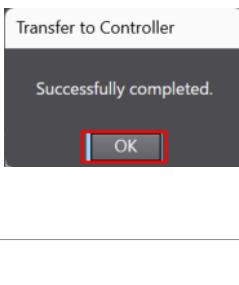
They are not transferred in either direction: Transfer to Controller and Transfer from Controller.

If you use the Network Configurator to configure the connection settings instead of the Sysmac Studio, use with this check box selected.

- A dialog box appears. Check the message and select the [Yes] button.



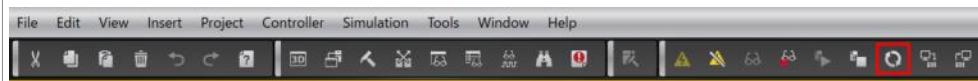
- A dialog box appears when the transfer is complete.



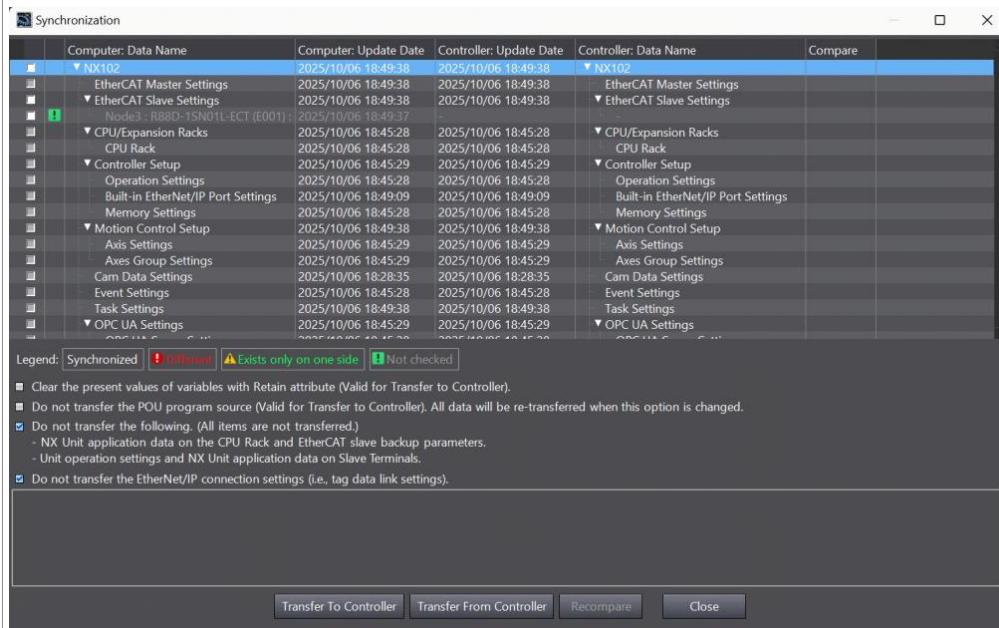
Remarks

You can also download data from the PC to the PLC using the Synchronization Window in the Sysmac Studio.

- Go online with the PLC, then click the icon shown in the red frame below.



- The synchronization with the PLC is executed.



- Click the [Transfer To Controller] button and download the project.