

Mainly to introduce the new functions of  
this version

## **Delta SCADA Software**

DIASView SCADA Rev4.4.1

Delta Electronics, Inc.

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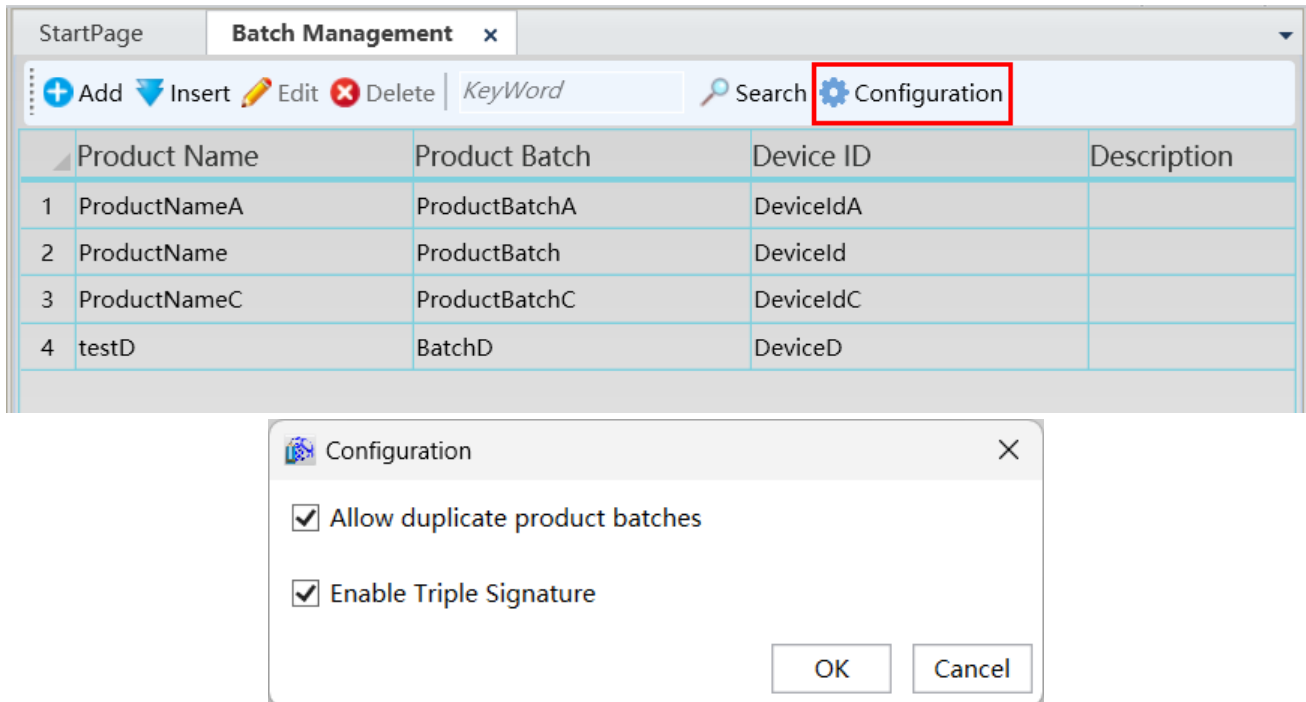
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## Upgrading Function Introduction

### 1. Add the feature to allow duplicate product batches

Click "Configuration" to open the configuration window, where you can set whether to allow duplicate product batches, as shown in the following figure:

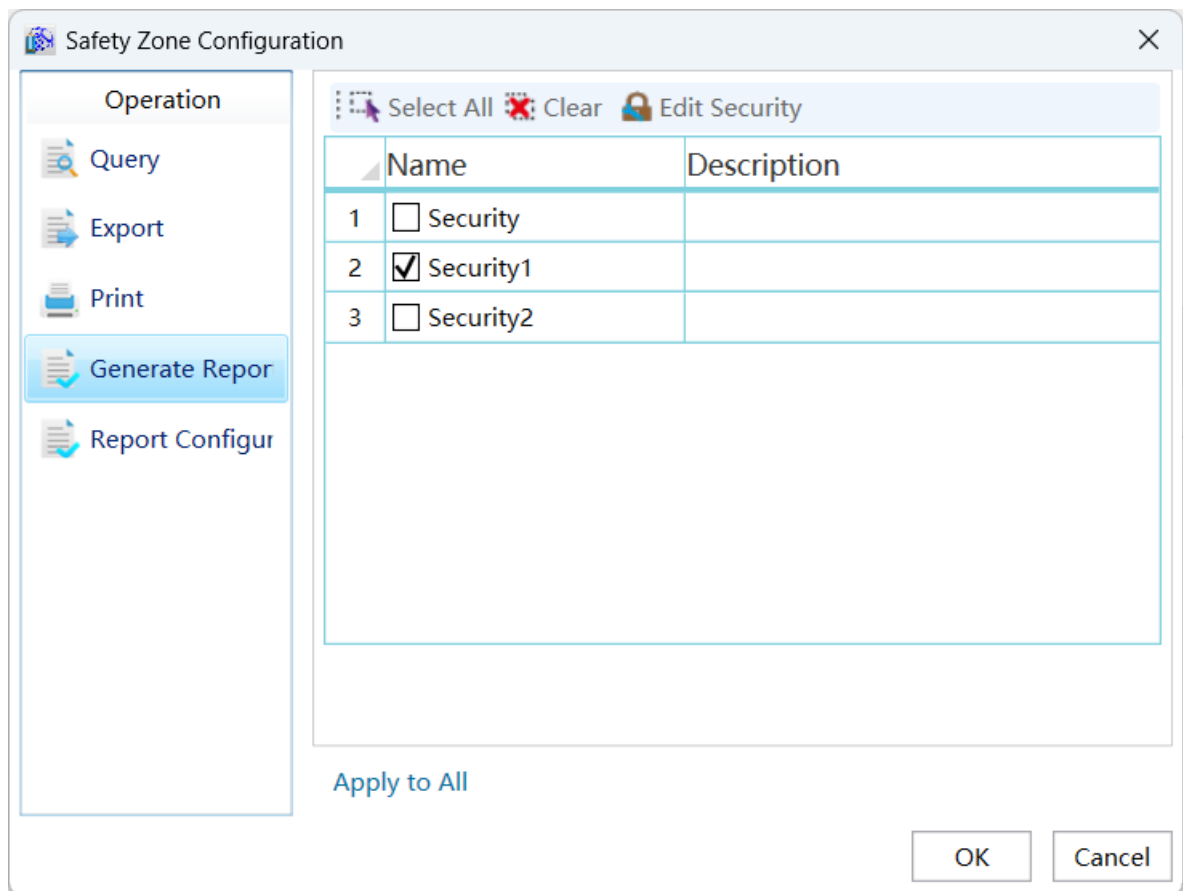
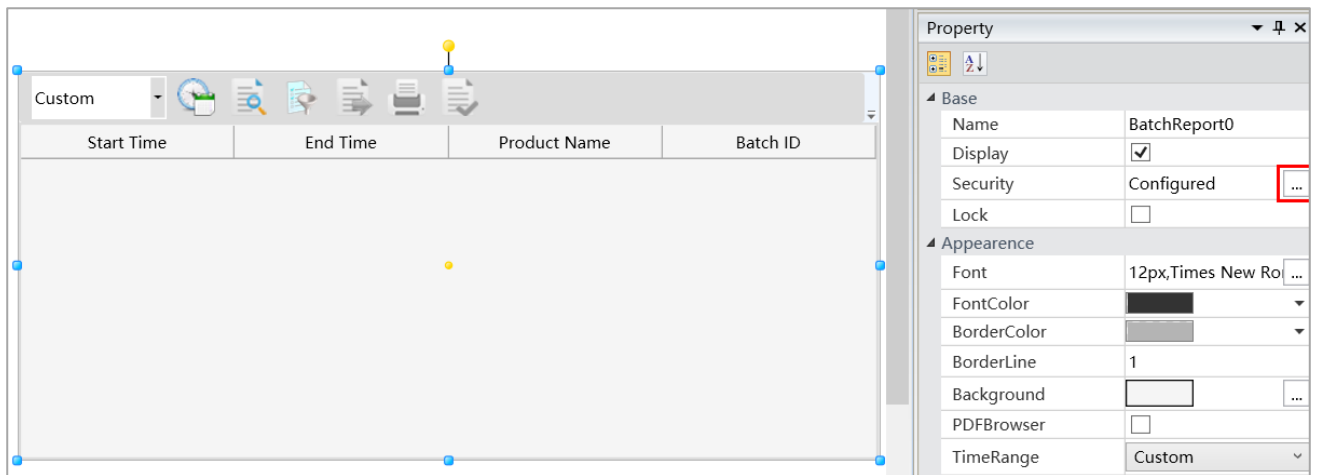


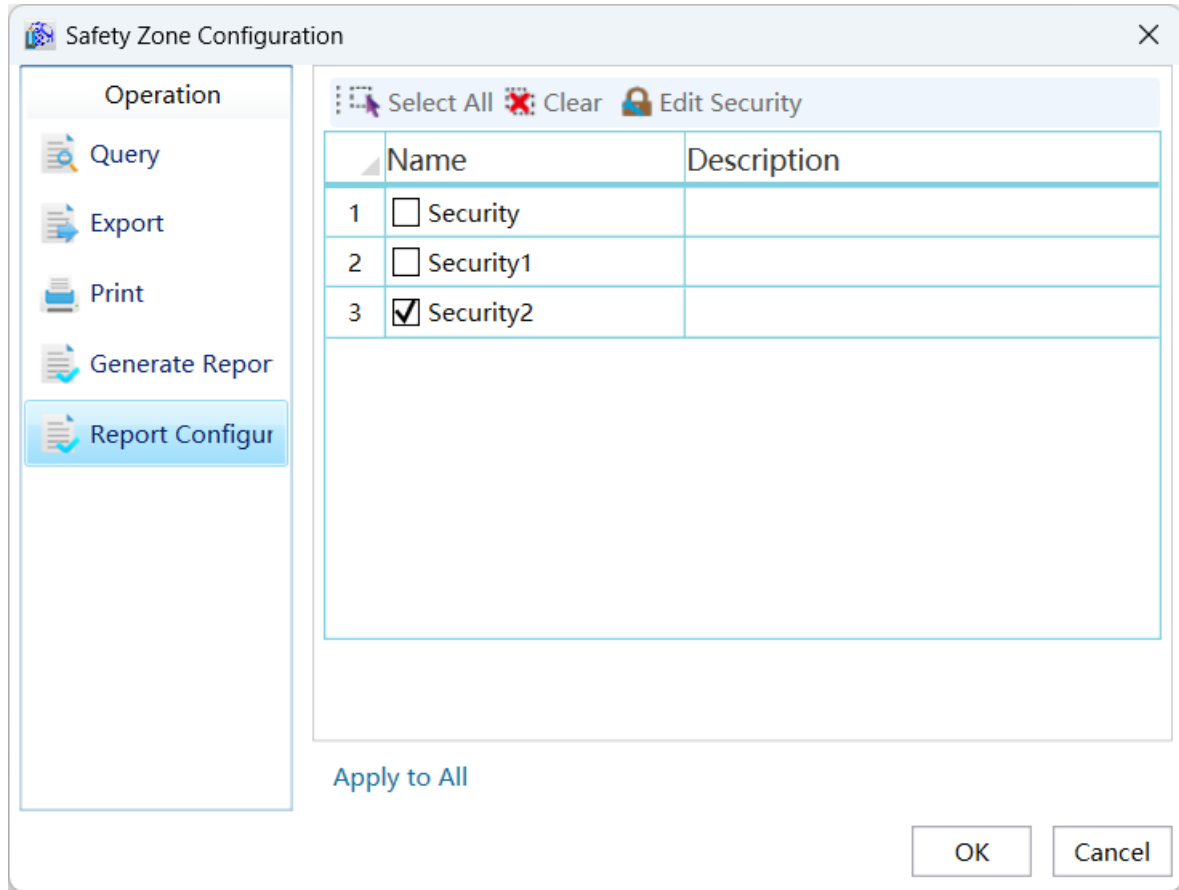
Check the box to Allow duplicate product batches. During runtime, batches with the same batch number can be generated through script copying (provided that the copied batch is in a completed state). The script is as follows:

```
public string CopyBatchItem(string copyProductBatch, string productName, string productBatch)
```

### 2. Add permission settings for generating batch reports

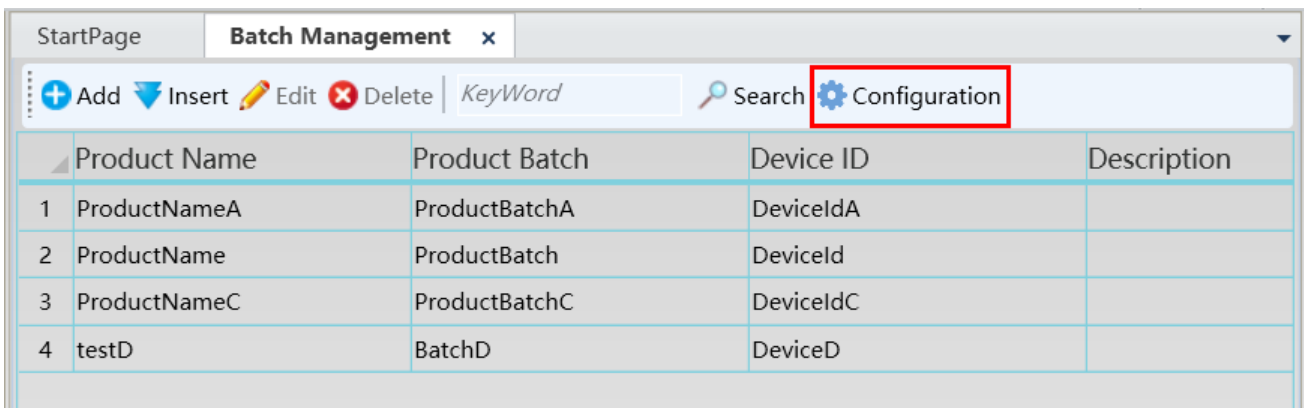
The generation of reports and report generation configurations support security zone permission configuration, as shown in the figure below. Users with security zone 1 permissions can generate reports, while users with security zone 2 permissions can configure report generation.

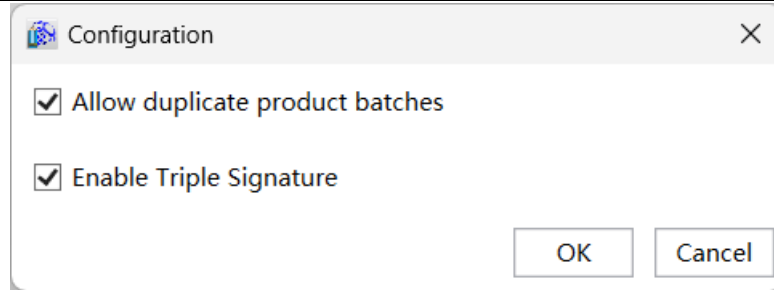




### 3. Enable Triple Signature

Click "Configuration" to open the configuration window, where you can set whether to enable triple signature, as shown in the following figure:





Check the box to enable triple signature. After the batch execution is completed during runtime, click the Generate Report button  in the batch report. Complete the configuration in the generated report window, and then click OK. A triple signature will pop up, as shown in the figure below:

| Start Time          | End Time            | Product Name | Batch ID      |
|---------------------|---------------------|--------------|---------------|
| 3/1/2026 7:50:27 PM | 3/1/2026 7:51:29 PM | testD        | BatchD        |
| 3/1/2026 7:50:25 PM | 3/1/2026 7:51:24 PM | ProductNameC | ProductBatchC |
| 3/1/2026 7:50:22 PM | 3/1/2026 7:51:20 PM | ProductName  | ProductBatch  |
| 3/1/2026 7:50:19 PM | 3/1/2026 7:51:17 PM | ProductNameA | ProductBatchA |

Generate Report

| Project | Display                             | Name                       | Value                                                                                                                                                                     | Title                 |
|---------|-------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1       | <input checked="" type="checkbox"/> | Batch Information          |                                                                                                                                                                           | Batch Information     |
| 2       | <input checked="" type="checkbox"/> | Recipe Parameters          |                                                                                                                                                                           | Recipe Parameters     |
| 3       | <input checked="" type="checkbox"/> | Alarm Information          |                                                                                                                                                                           | Alarm Information     |
| 4       | <input checked="" type="checkbox"/> | Process Value Record [N    | 1   (s) | Generate Data Record  |
| 5       | <input checked="" type="checkbox"/> | Process Value Statistics [ | 1   (s) |                       |
| 6       | <input checked="" type="checkbox"/> | Process Value Trend [No    | 1   (s) | Production Data Trend |
| 7       | <input checked="" type="checkbox"/> | Operation Record           |                                                                                                                                                                           | Operation Record      |

OK Cancel

Generate Report

| Project | Display                             | Name | Value | Title               |
|---------|-------------------------------------|------|-------|---------------------|
| 1       | <input checked="" type="checkbox"/> | Bat  |       | ch Information      |
| 2       | <input checked="" type="checkbox"/> | Rec  |       | ipe Parameters      |
| 3       | <input checked="" type="checkbox"/> | Ala  |       | m Information       |
| 4       | <input checked="" type="checkbox"/> | Pro  |       | enerate Data Record |
| 5       | <input checked="" type="checkbox"/> | Pro  |       |                     |
| 6       | <input checked="" type="checkbox"/> | Pro  |       | duction Data Trend  |
| 7       | <input checked="" type="checkbox"/> | Op   |       | eration Record      |

OK Cancel

Signature

Operator

User Name:

Password:

OK

Verifier

User Name:

Password:

OK

Approver

User Name:

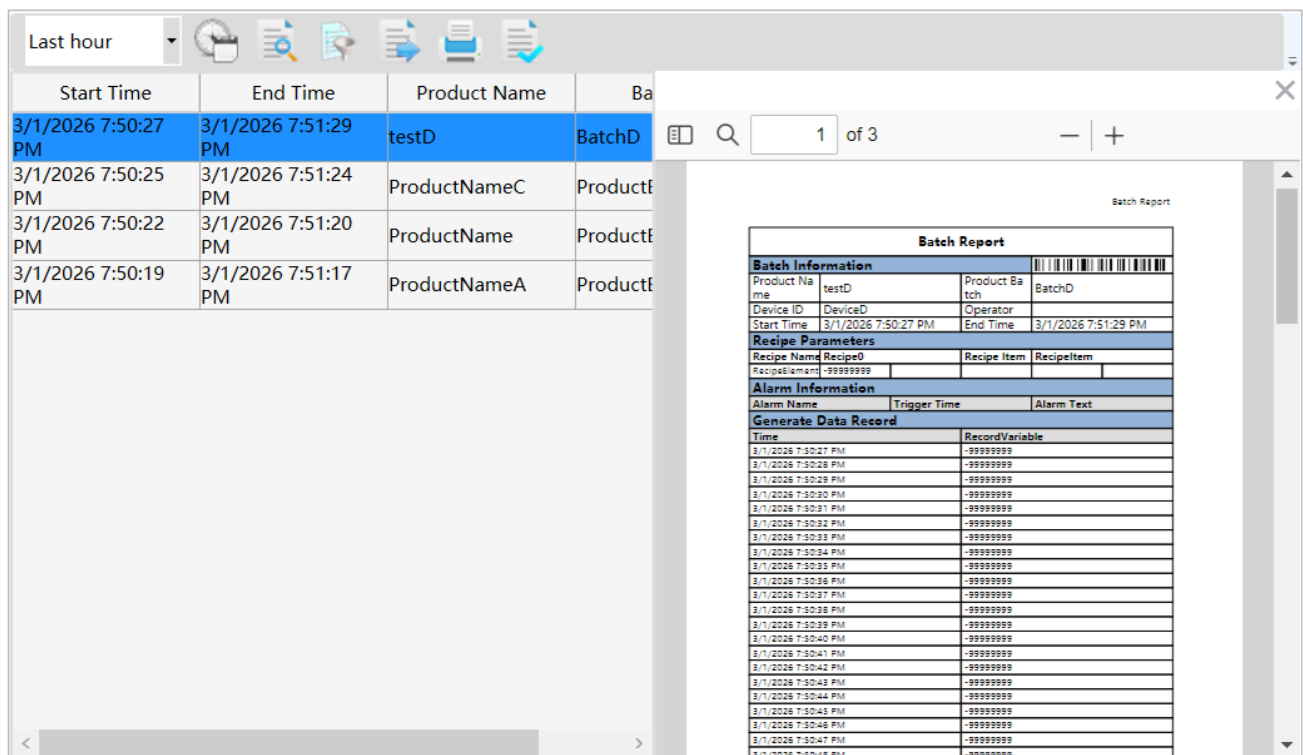
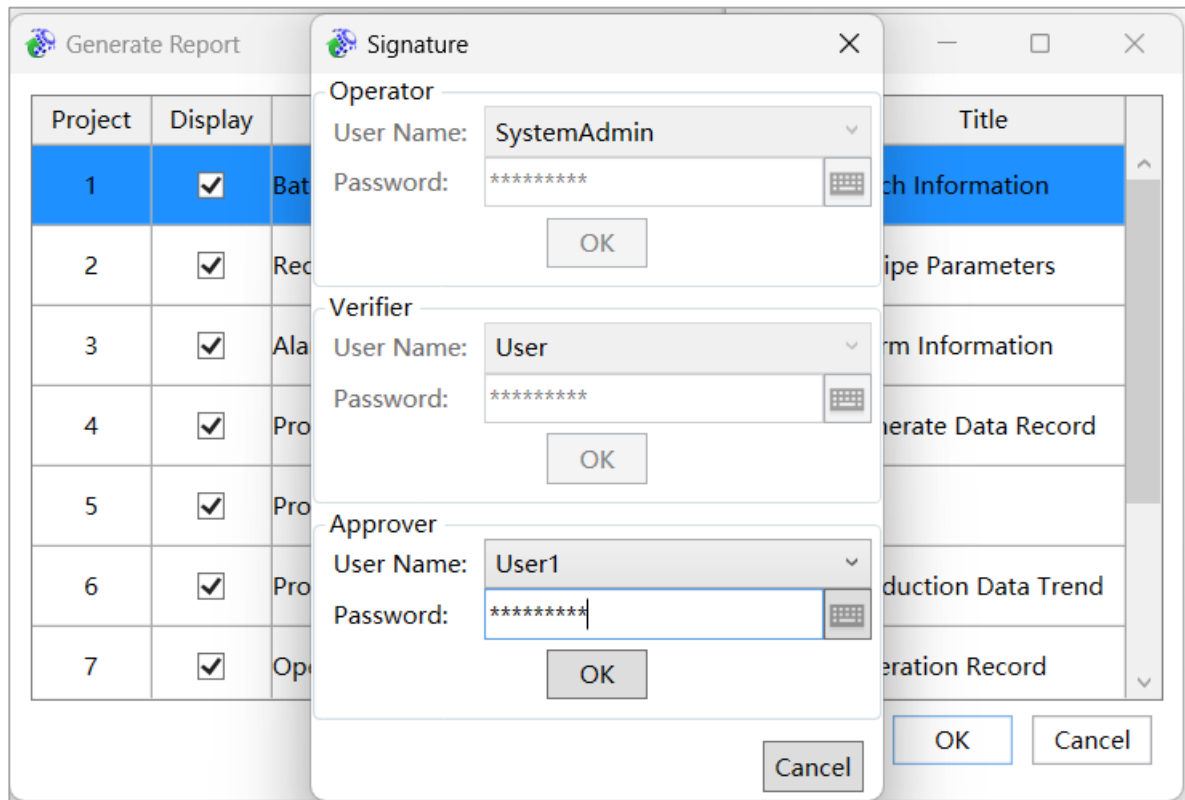
Password:

OK

Cancel

Enter the signature information level by level, click OK, and generate the batch report. The content of the batch report will be displayed on the right. Users can drag and drop using the toolbar to view the content of the batch report:

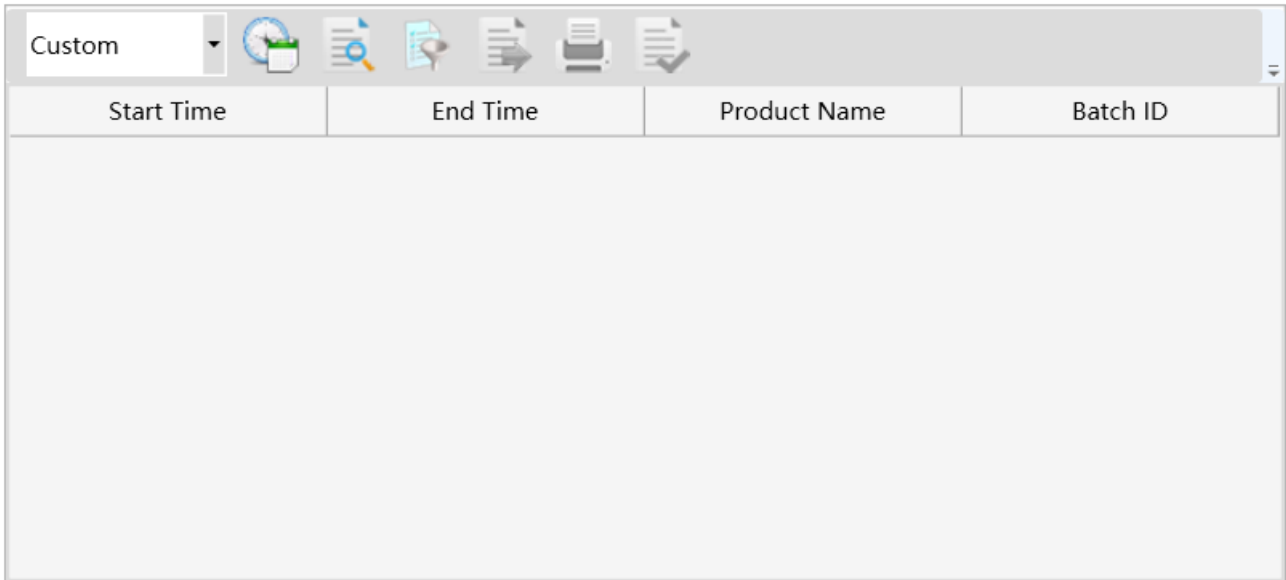




#### 4. Add script support for batch report toolbar buttons

The batch report toolbar buttons include query, filter, export, print, and generate report, each of

which has a corresponding new function script added: Query, Filter, Export, Print, GenerateReport。



The specific scripts is as follows:

```
public void Query(DateTime startTime, DateTime endTime)
```

```
public void Filter()
```

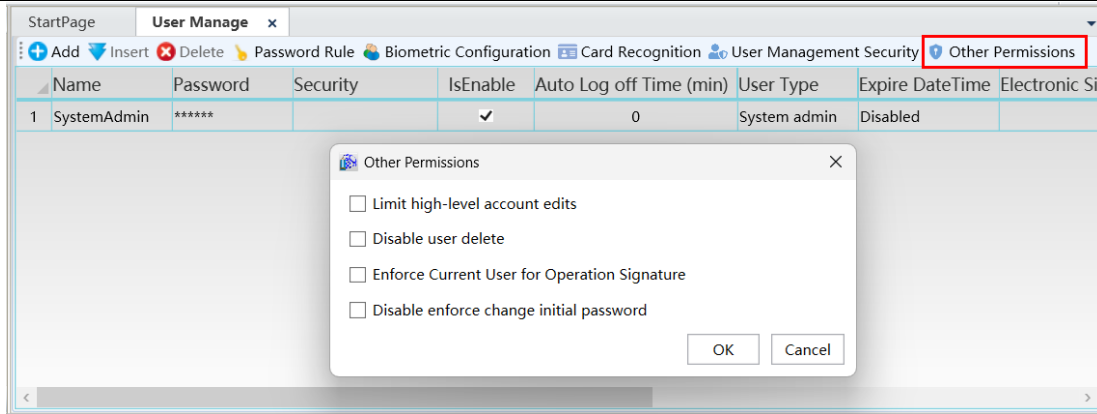
```
public void Export()
```

```
public void Print()
```

```
public void GenerateReport()
```

## 5. Add Other Permissions

Other permissions include: Limit high-level account edits, Disable user delete, Enforce Current User for Operation Signature, Disable enforce change initial password. Click the Other Permissions button to pop up the Other Permissions configuration window, as shown in the following figure:

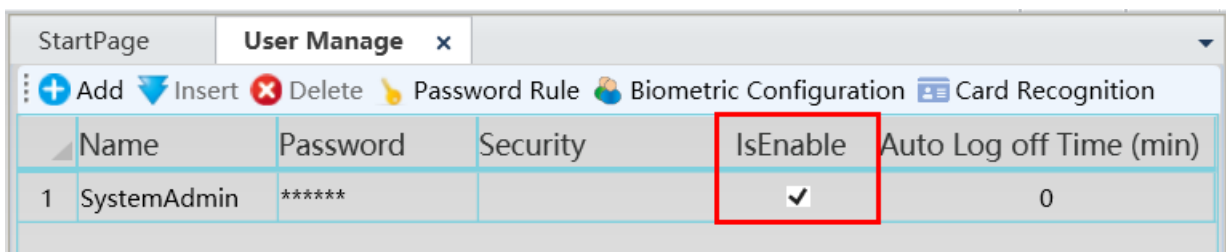


The meaning of each setting is as follows:

| Configuration items                                 | Configuration item description                                                                                                              |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Limit high-level account edits</b>               | If checked, high-level users cannot modify users with lower levels in the user management panel during runtime; it is unchecked by default. |
| <b>Disable user delete</b>                          | If checked, the delete button in the user management panel will be hidden during runtime; it is unchecked by default.                       |
| <b>Enforce Current User for Operation Signature</b> | If checked, the operator for electronic signatures is forced to be the currently logged-in user; it is unchecked by default.                |
| <b>Disable enforce change initial password</b>      | If checked, users will no longer be forced to change their initial passwords during runtime; it is unchecked by default.                    |

## 6. Added support for enabling/disabling users

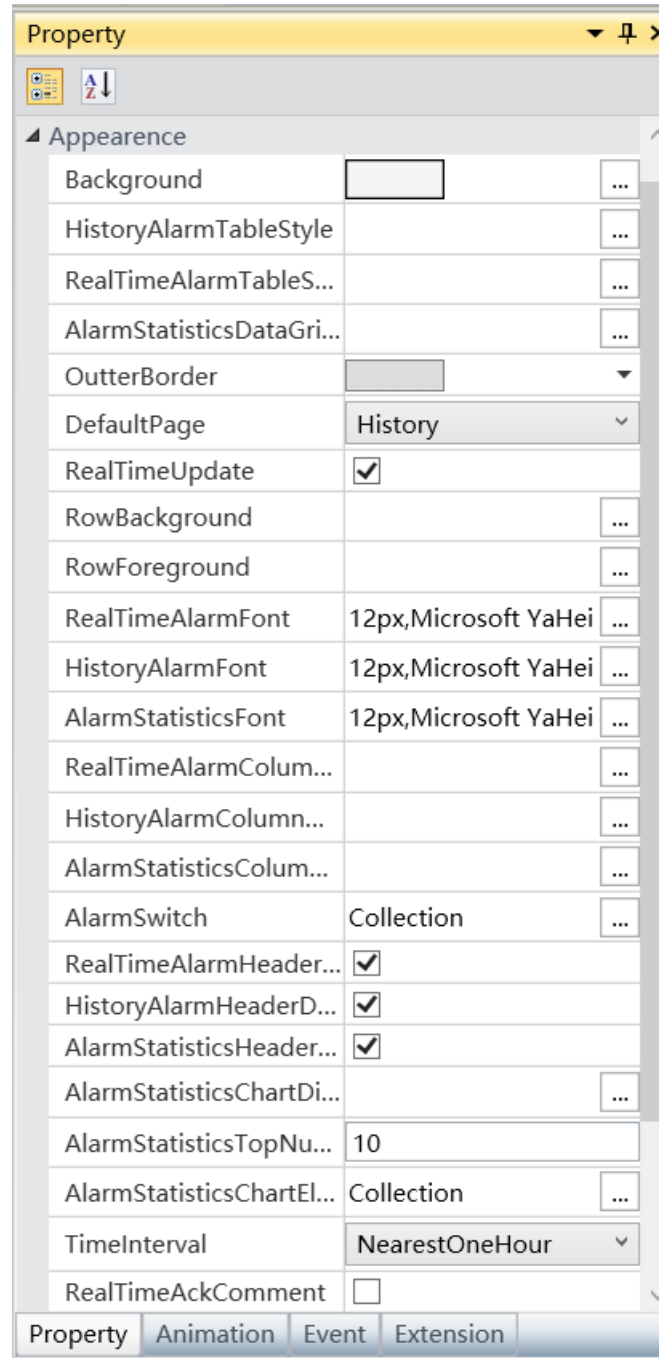
Add a new column IsEnabled to the user list. Checking the box indicates that the user is enabled, while unchecking it indicates that the user is disabled. If a user is disabled, that user will be hidden during runtime processes such as user login and electronic signatures.



## 7. Added support for real time ack comments

A new real-time alarm ack comment feature has been added to the alarm window control. When RealTimeAckComment is checked during development, a comment setting window will pop up when responding to an alarm during runtime. The set comments can be viewed in the comment column of the alarm window's historical alarms and in the historical alarm data table.

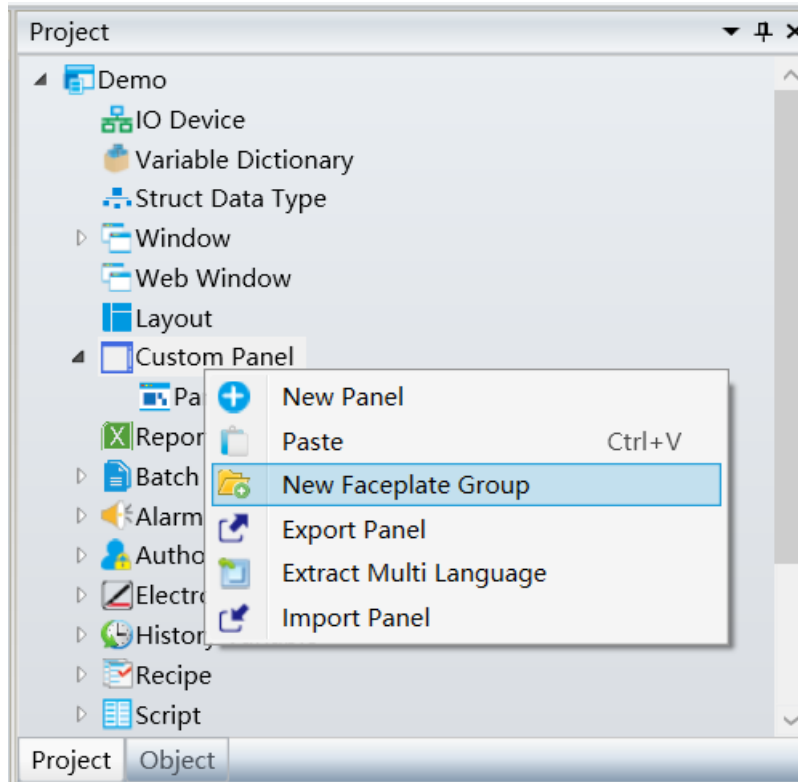




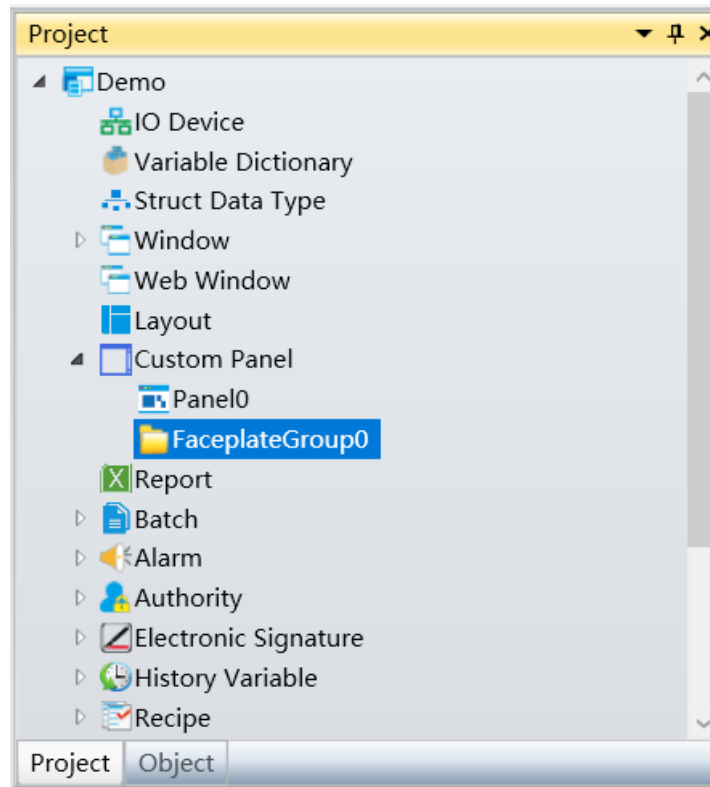
## 8. Added support for panel groups

In the project, by creating new panel groups, you can manage panels of different types and purposes in groups.

Right-click the Custom Panel node in the project window tree directory, and click the New Panel Group option in the right-click menu, as shown in the following figure:

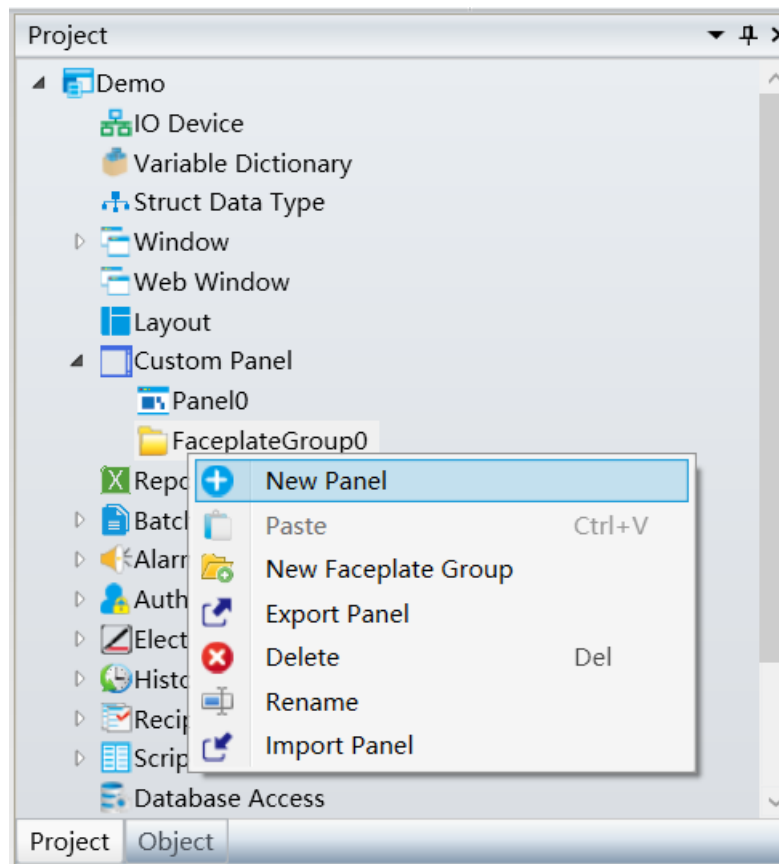


After clicking New Panel Group, the system will generate a child node with a default panel group name under the Custom Panel node, as shown in the following figure:



Panel groups support operations such as New Panel, Paste, New Faceplate Group, Export Panel,

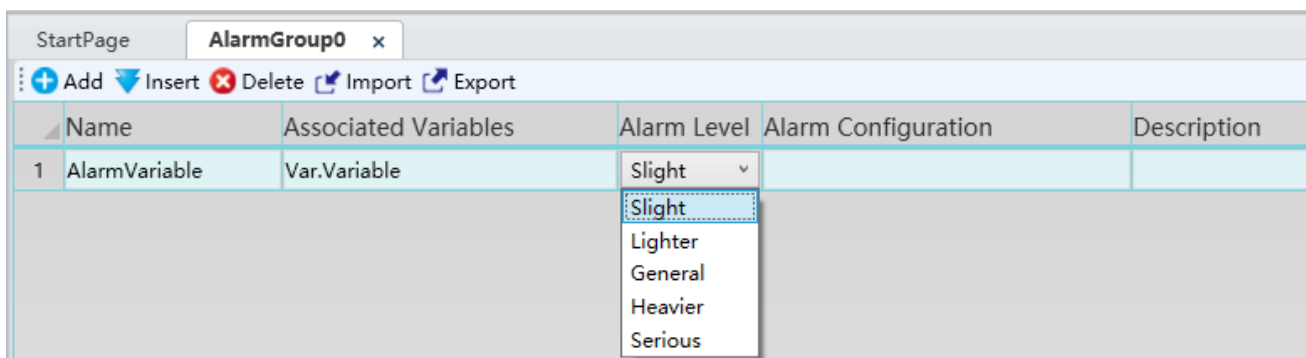
Delete, Rename, Import Panel, as shown in the following figure:



## 9. Added support for customized alarm levels and multilingual display

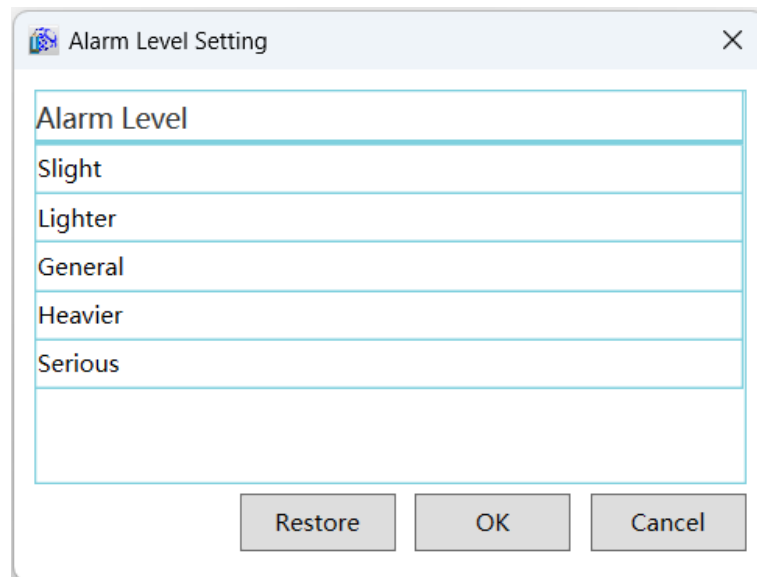
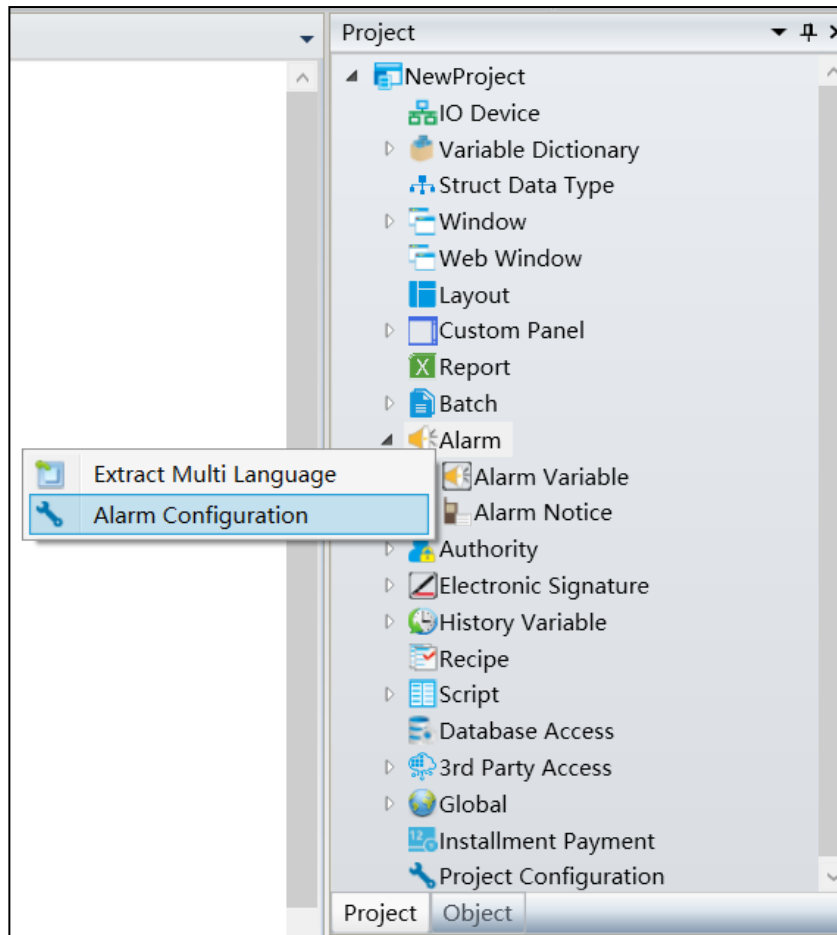
Click the button and then a drop-down menu will appear, select a level, as shown in the figure

below:



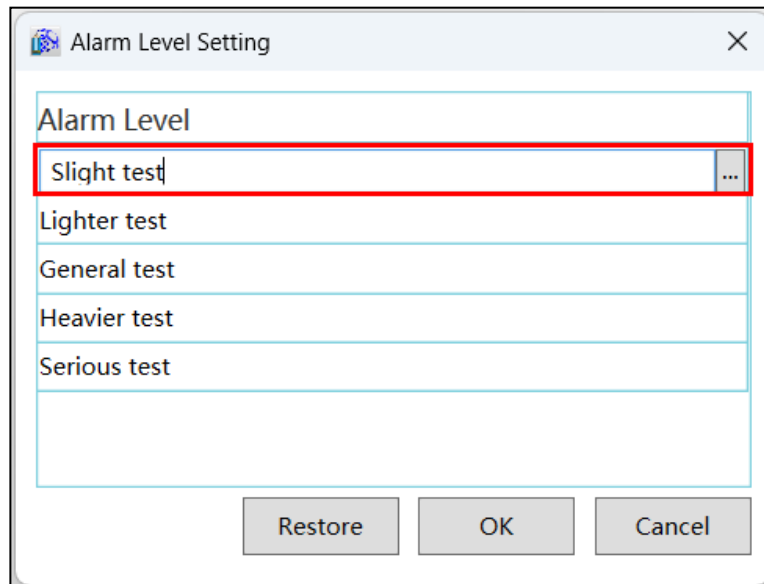
Supports user-defined alarm levels and multilingual configuration for alarm levels.

Right-click the Alarm node and select Alarm Configuration; the Alarm Level Setting window will pop up, as shown in the figure below:



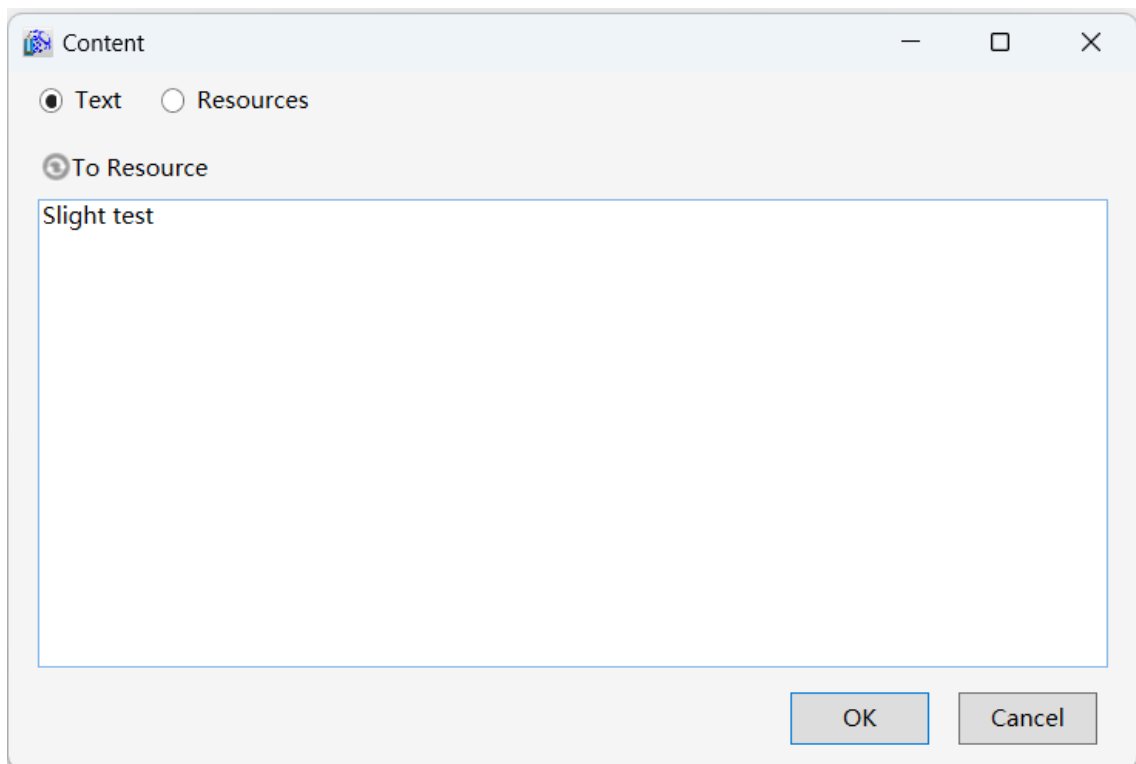
Double-click an alarm level in the Alarm Level Setting window to edit its name, as shown in the figure below:





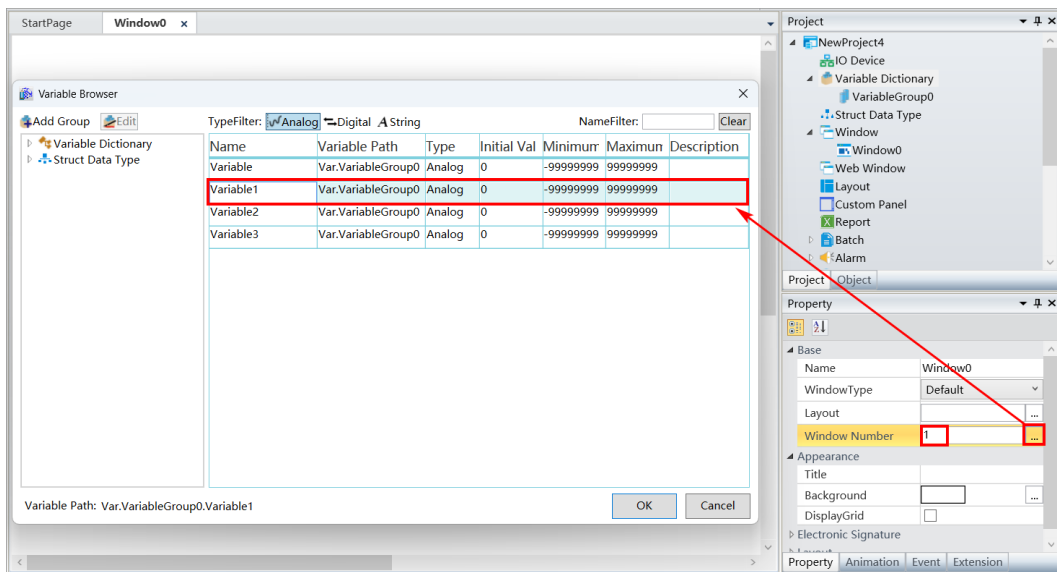
Click Restore to reset the alarm levels back to: Slight, Lighter, General, Heavier, and Serious.

Click the  button on the right to configure multilingual settings for alarm levels, as shown in the figure below:

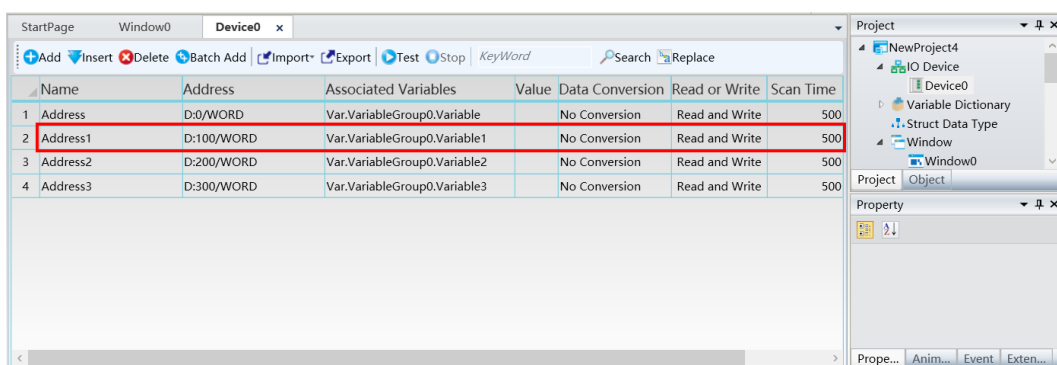


## 10. Add window screen number function. Users input the screen number, bind variables to write data to the PLC, and the PLC reads the screen number

For the window number: the input box on the right supports entry of window numbers (enter 1 here). Click the button on the right to pop up the variable browser, then bind the analog variable "Variable Group 0.Variable 1", as shown in the figure below:



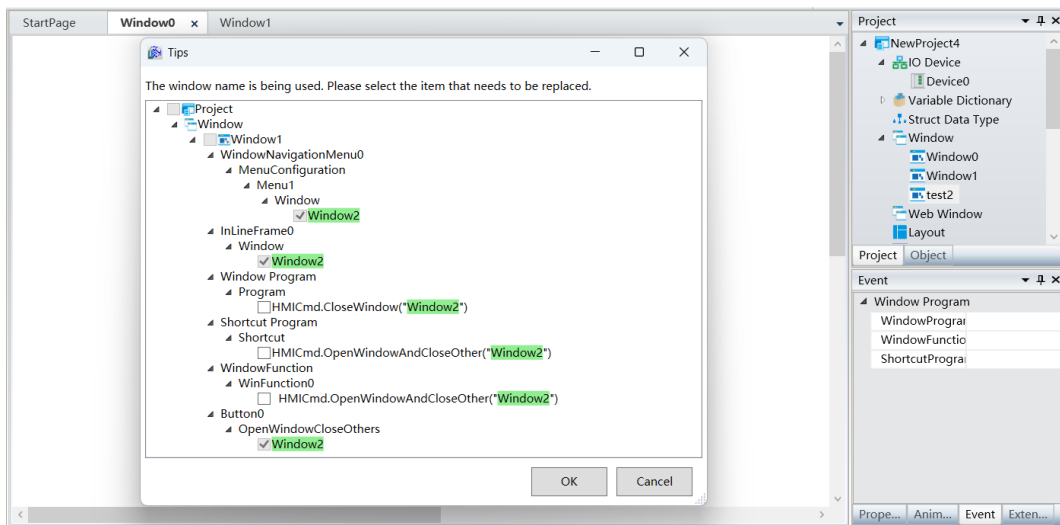
Bind "Variable Group 0.Variable 1" to the PLC register D:100/DWORD, as shown in the figure below:



After the project runs, the system automatically writes the window number to the corresponding PLC register D:100/DWORD, and the PLC reads the value of the window number.

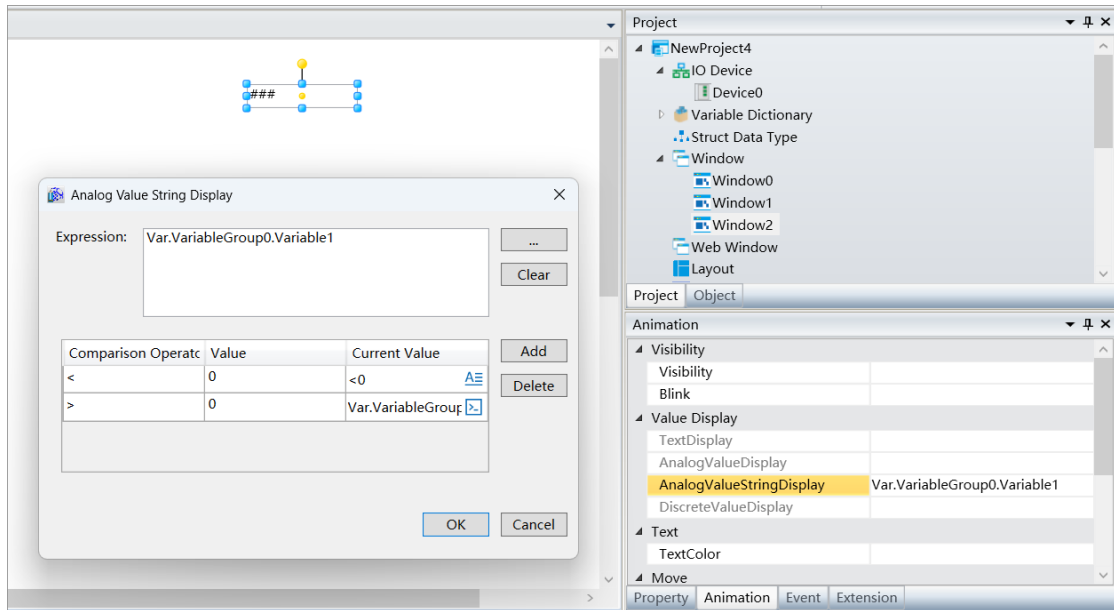
## 11. Window Rename Function with Reference Prompt and Synchronized Name Update

If Window 0 is referenced by navigation menus, screen programs, screen functions, inline frames, scripts and other components within the project, renaming "Window 0" to "test0" will trigger a pop-up alert indicating the window is in use. Users may check the items requiring replacement; after clicking Confirm, all referenced window names will be updated synchronously, as shown in the figure below:

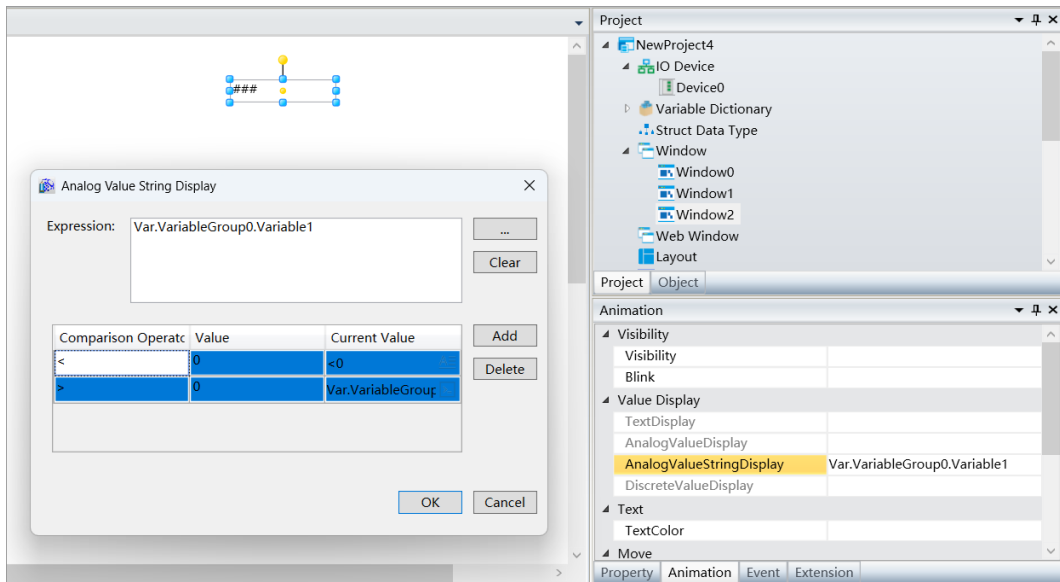


## 12. Support one-click copying of analog value string content

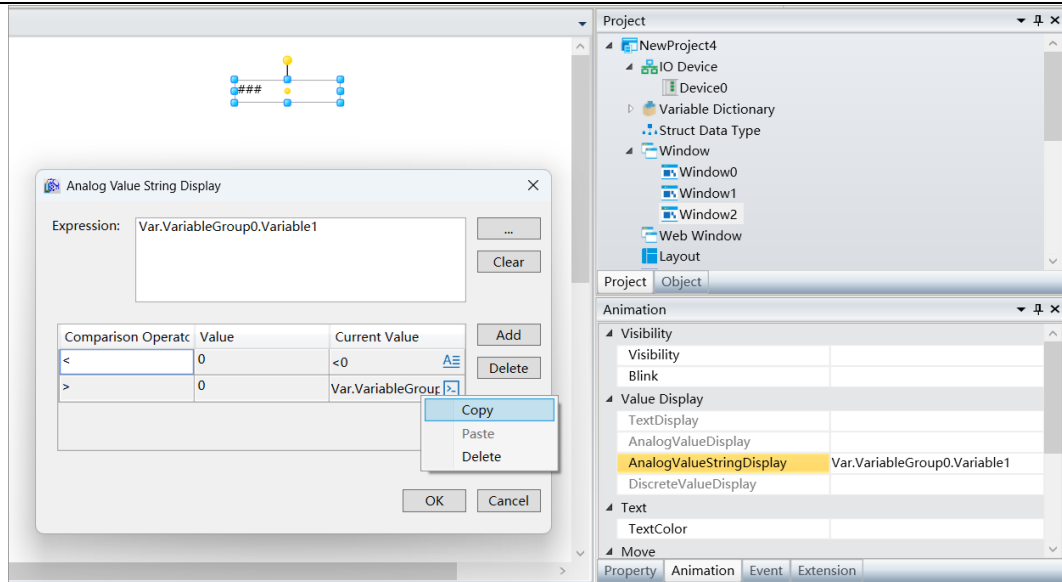
Users can copy the analog value string content from one control in a single operation and paste it to the analog value string field of another control. The text box control in the project is configured to display analog value strings, as shown in the figure below:



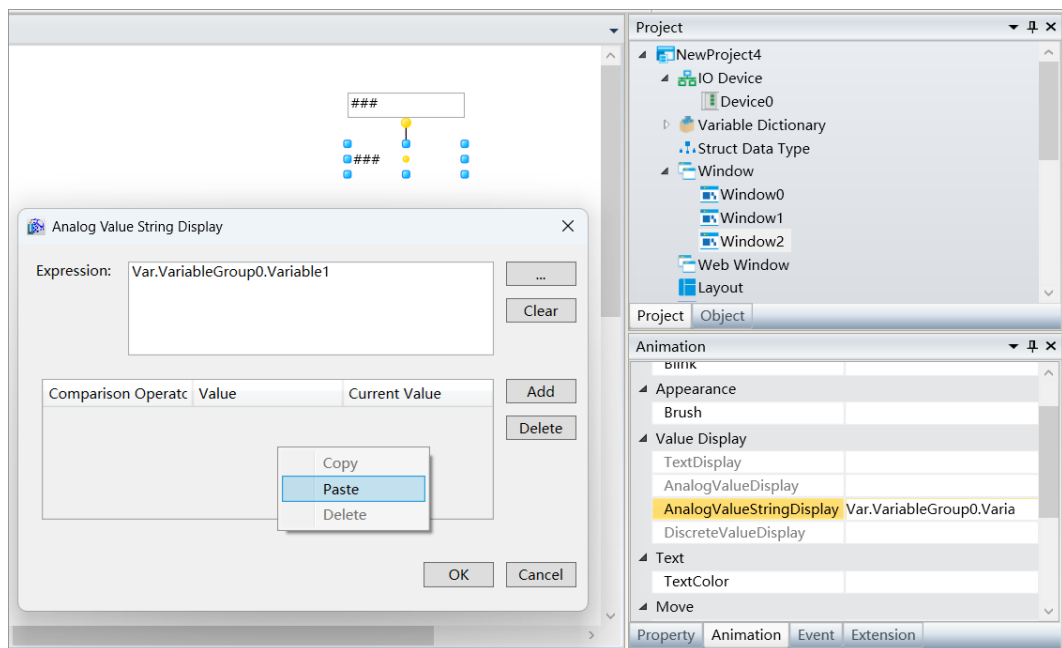
Press Ctrl+A to select all, as shown in the figure below:



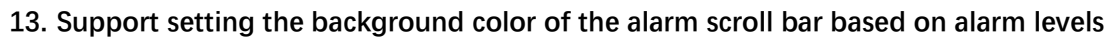
Right-click with the mouse and select Copy, as shown in the figure below:



Open the analog value string configuration window of the tag, right-click the mouse and select Paste, as shown in the figure below.



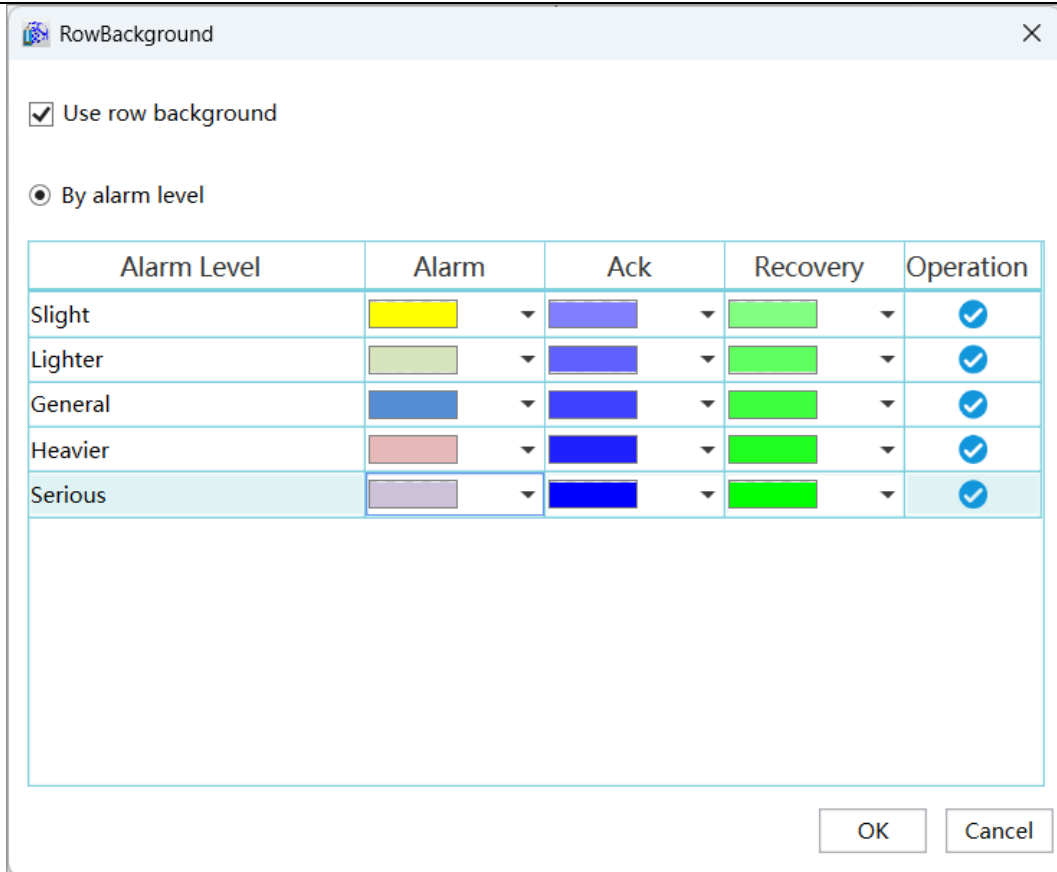
Paste completed successfully. The analog value string content of the text box is copied in one go and pasted into the analog value string field of the tag, as shown in the figure below.



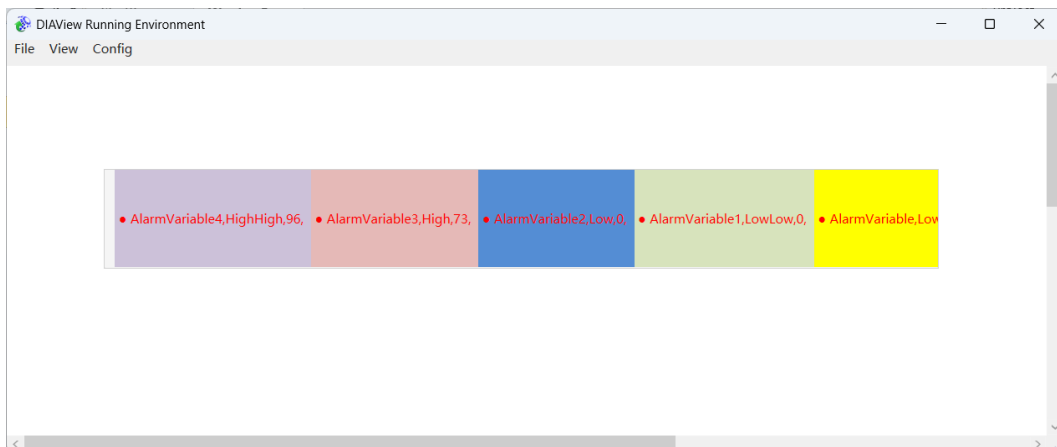
The screenshot shows a software development environment with a 'RowBackground' dialog box open. The dialog has a checkbox 'Use row background' which is unchecked, and a radio button 'By alarm level' which is selected. Below these is a table with five columns: 'Alarm Level', 'Alarm', 'Ack', 'Recovery', and 'Operation'. The table contains five rows: 'Slight', 'Lighter', 'General', 'Heavier', and 'Serious'. Each row has a color-coded 'Alarm' cell (red, purple, green, blue, and red respectively) and a 'Recovery' cell (green, green, green, green, and green respectively). The 'Operation' column contains blue checkmarks. To the right of the dialog, the 'Project' and 'Property' panels are visible. The 'Project' panel shows a tree structure with 'NewProject4' as the root, containing 'IO Device', 'Device0', 'Variable Dictionary', 'VariableGroup0', 'Struct Data Type', and 'Window'. The 'Window' node is expanded, showing 'Window0', 'Window1', and 'MainWindow2'. The 'Property' panel shows the 'Appearance' properties for 'Window0'. The 'Form' property is set to '12px, Microsoft YaHei'. The 'BorderColor' property is set to a gray color. The 'BorderLine' property is set to '1'. The 'Background' property is set to a light gray color. The 'ColumnDisplay' property is set to 'ColumnDisplay'. The 'RealTimeUpdate' property is checked. The 'AlarmColor' property is set to a red color. The 'ScrollDirection' property is set to 'From Right To Left'. The 'ScrollSpeed' property is set to 'Low'. The 'RowBackground' property is set to a yellow color. A red arrow points from the 'RowBackground' property in the 'Property' panel to the 'RowBackground' dialog box.

| Alarm Level | Alarm | Ack    | Recovery | Operation |
|-------------|-------|--------|----------|-----------|
| Slight      | Red   | Purple | Green    | ✓         |
| Lighter     | Red   | Purple | Green    | ✓         |
| General     | Red   | Purple | Green    | ✓         |
| Heavier     | Red   | Purple | Green    | ✓         |
| Serious     | Red   | Purple | Green    | ✓         |

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Run the project. When alarms of each level are triggered during runtime, the background color of the alarm scroll bar matches the color configured in editing mode, as shown in the figure below.



**14. After enabling electronic signature, the system will lock the account when the password is entered incorrectly for the maximum allowed times; a new script is added to perform unlocking operations**

Add two new scripts: string GetUserLock(string userName) and bool ResetUserAccountLock(string userName).

- Get User Lock Status

string GetUserLock(string userName)

userName: username

Return: string User Status Information

(1): "Fail" fail

(2): "UserExpire" User Expired

(3): "PasswordExpire" Password Expired

(4): "UserLock" User Locked

(5): "Disable" User Disabled

(6): "NullPromptMessage" No Message, Success

- Reset User Lock Status

bool ResetUserAccountLock(string userName)

userName: username

Execute string GetUserLock(string userName) to retrieve the current user status.

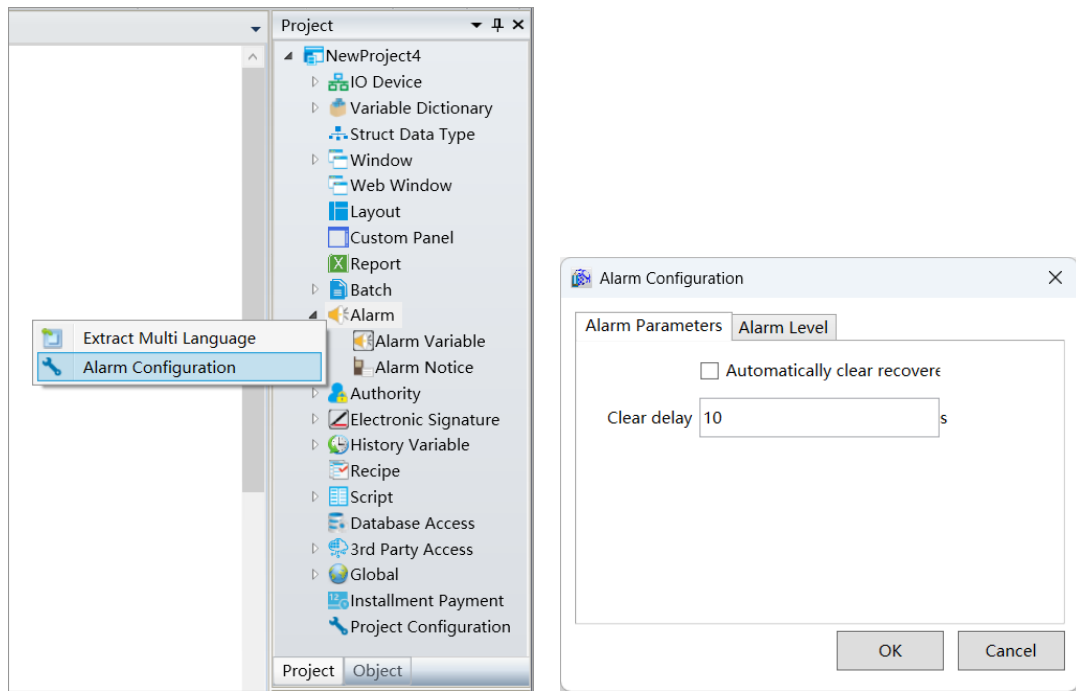
When the number of incorrect password entries by a user reaches the upper limit, the user account will be locked. High-privilege users can unlock the account by running the script

ResetUserAccountLock(string userName). After unlocking, recheck the user status information to confirm the account is unlocked.

## 15. Add an auto-acknowledge option for alarm acknowledgment to allow users to select freely

DIAView Project Tree -> Alarms -> Alarm Configuration -> Alarm Parameters, add configuration items for Auto Clear Recovered Alarms and Clear Delay, as shown in the figure below.





Auto Clear Recovered Alarms: If checked, recovered alarms will be automatically removed from the real-time alarm window after a set number of seconds (Clear Delay). If unchecked, recovered alarms remain in the real-time alarm window without automatic removal. Clear Delay: Default value is 10 seconds, customizable by users.

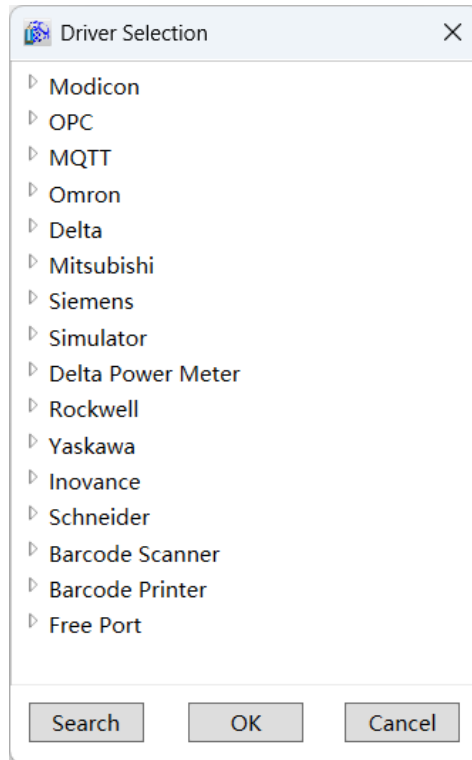
## 16. Add Delta W3A driver

DIASView configuration software supports Ethernet communication with Delta W3A series PLCs.

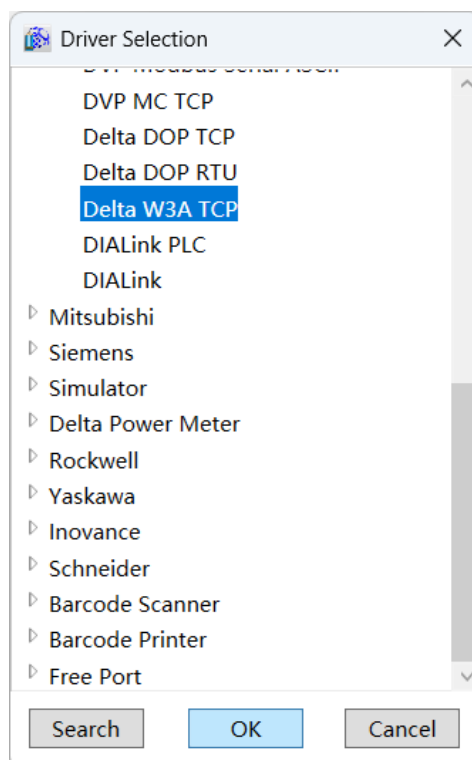
Below is an example of configuring Ethernet-based IO communication with the device in DIASView:

Steps to establish Ethernet communication between DIASView and Delta W3A:

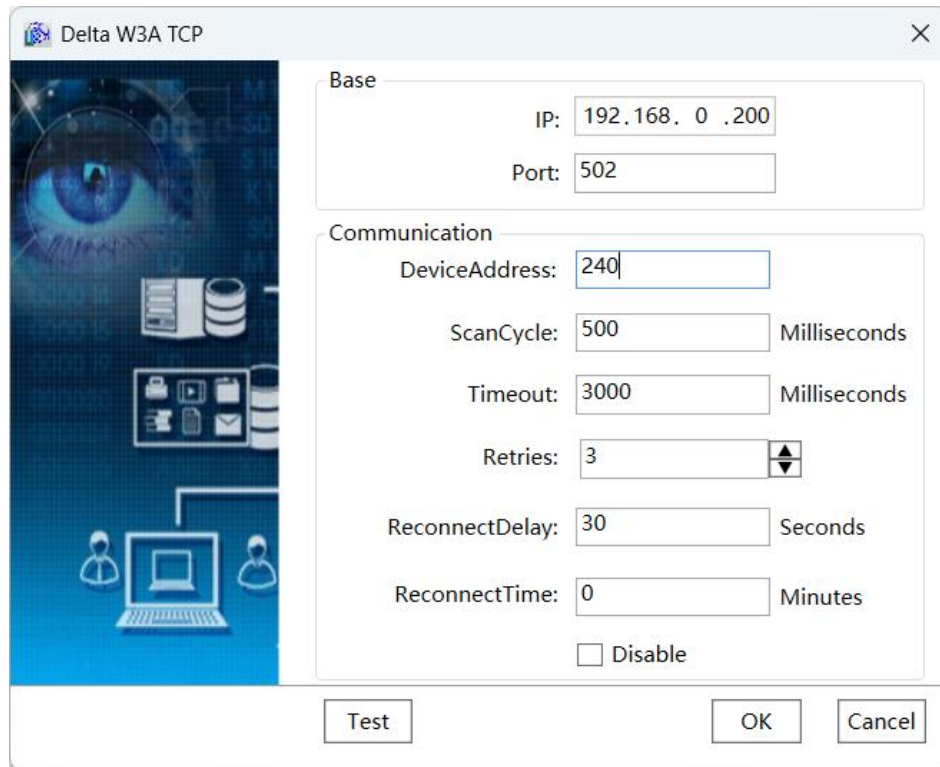
**Step 1:** Ensure the PLC and PC are on the same local area network. Right-click the IO Communication node in the project tree and select New Device. The selection menu shown in the figure below will pop up.



**Step 2:** In the Driver Selection window, select Delta → Delta W3A TCP, as shown in the figure below.



**Step 3:** Configure communication parameters for Delta W3A TCP, as shown in the figure below.



The image shows a configuration window titled "Delta W3A TCP". On the left is a decorative graphic with a large eye and various icons representing network and data storage. The right side contains two main sections: "Base" and "Communication".

**Base**

IP: 192.168.0.200

Port: 502

**Communication**

DeviceAddress: 240

ScanCycle: 500 Milliseconds

Timeout: 3000 Milliseconds

Retries: 3

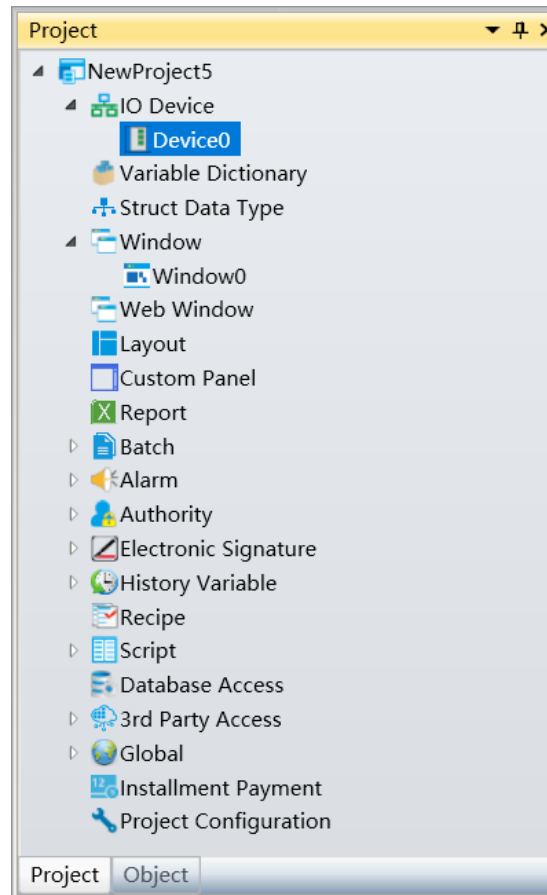
ReconnectDelay: 30 Seconds

ReconnectTime: 0 Minutes

☐ Disable

At the bottom are three buttons: "Test", "OK", and "Cancel".

**Step 4:** After all parameters are configured, click the OK button. A device with the default name will appear under the IO Communication node in the project tree, completing the creation of the Ethernet communication device, as shown in the figure below.

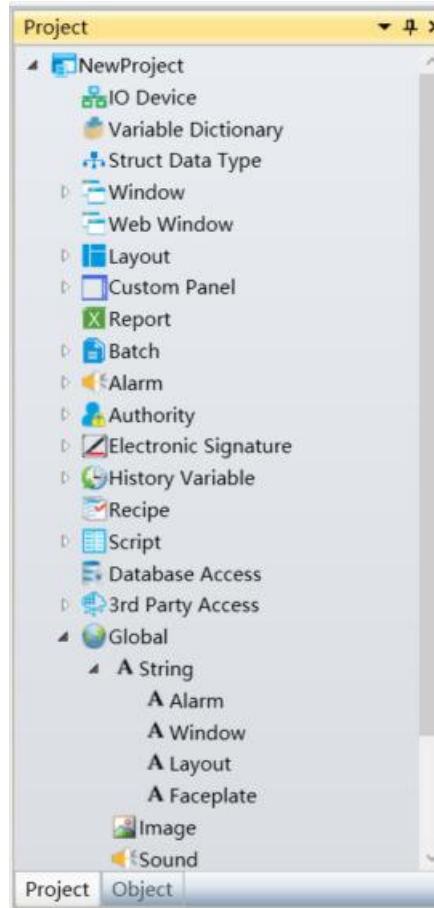


Step 5: Add register addresses in DIASView, as shown in the figure below.

| StartPage x Device0 x                                                      |              |                      |       |                 |                |           |             |
|----------------------------------------------------------------------------|--------------|----------------------|-------|-----------------|----------------|-----------|-------------|
| Add Insert Delete Batch Add Import Export Test Stop KeyWord Search Replace |              |                      |       |                 |                |           |             |
| Name                                                                       | Address      | Associated Variables | Value | Data Conversion | Read or Write  | Scan Time | Description |
| 1 Address                                                                  | %MW:0/WORD   |                      |       | No Conversion   | Read and Write | 500       |             |
| 2 Address1                                                                 | %MW:1/WORD   |                      |       | No Conversion   | Read and Write | 500       |             |
| 3 Address2                                                                 | %MW:2/WORD   |                      |       | No Conversion   | Read and Write | 500       |             |
| 4 Address3                                                                 | %QD:3/DWORD  |                      |       | No Conversion   | Read and Write | 500       |             |
| 5 Address4                                                                 | %QD:4/DWORD  |                      |       | No Conversion   | Read and Write | 500       |             |
| 6 Address5                                                                 | %QD:5/DWORD  |                      |       | No Conversion   | Read and Write | 500       |             |
| 7 Address6                                                                 | %IB:6/DWORD  |                      |       | No Conversion   | Read and Write | 500       |             |
| 8 Address7                                                                 | %IB:10/DWORD |                      |       | No Conversion   | Read and Write | 500       |             |
| 9 Address8                                                                 | %IB:14/DWORD |                      |       | No Conversion   | Read and Write | 500       |             |

## 17. Add grouping support for multilingual strings

DIASView Configuration Software → Internationalization → Strings supports grouping by Window, Layout, Faceplate and Alarm.



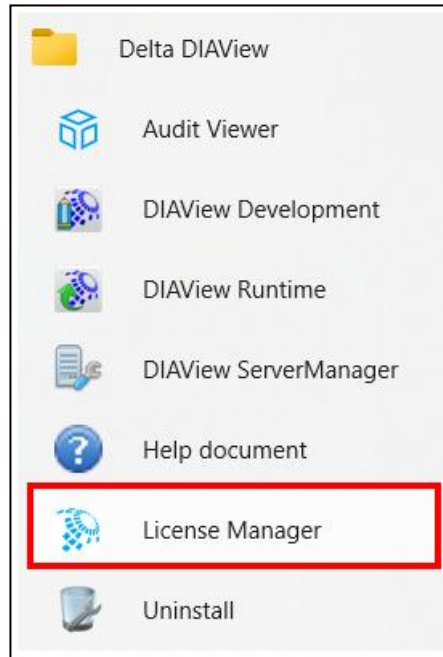
## 18. WIBU CodeMeter CmActLicense

WIBU CodeMeter CmActLicense realizes authorization by binding cryptographically signed license files to device hardware fingerprints. Verification is performed via the CodeMeter Runtime service, without reliance on any USB hardware. It is suitable for environments where USB hardware dongles cannot be installed, provides enhanced support for large-scale standard deliveries, and reduces logistics costs.

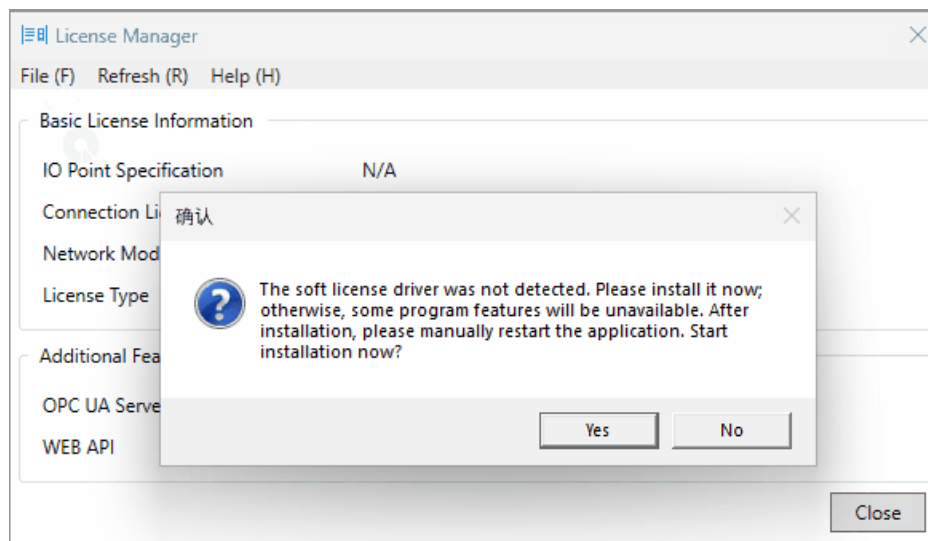
### 18.1 Installation CodeMeter Runtime

CodeMeter Runtime shall be installed on the computer pending activation.

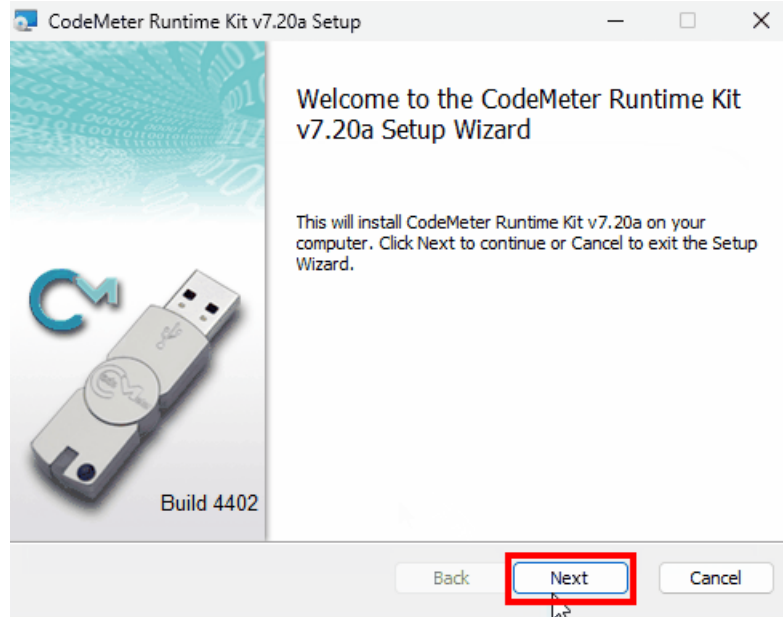
**Step 1:** Open the DIAView installation directory → License Manager, as shown in the figure below:



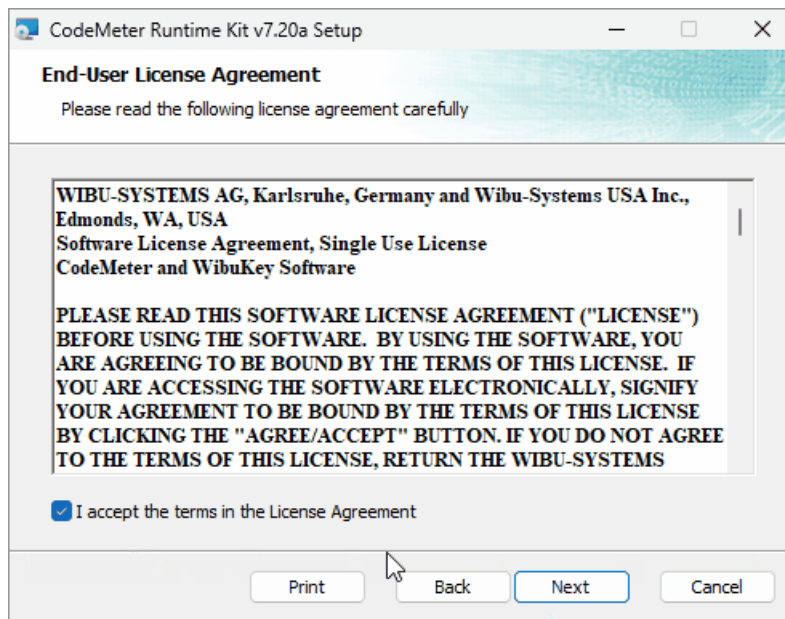
**Step 2:** Opening License Manager on a computer without CodeMeter Runtime installed will automatically launch the installer, as illustrated below.



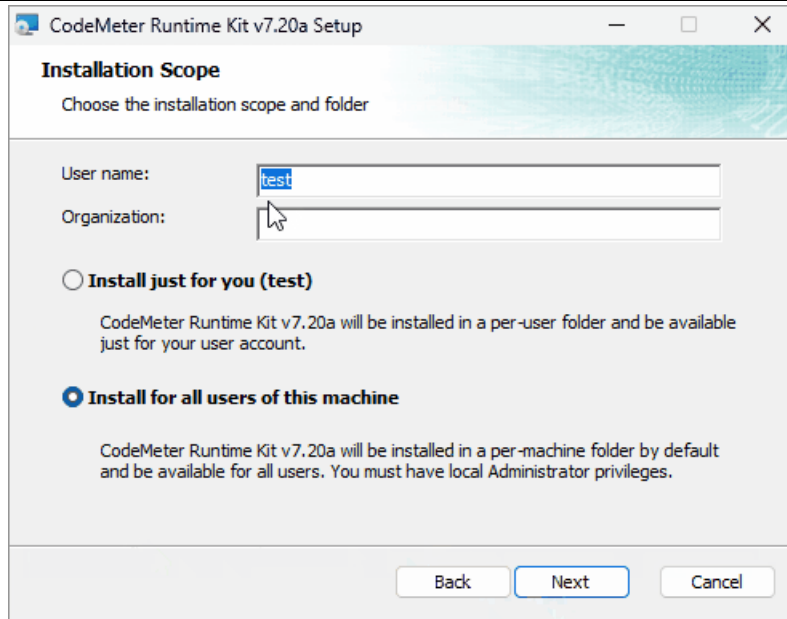
**Step 3:** Click Yes to start the installation, as illustrated below.



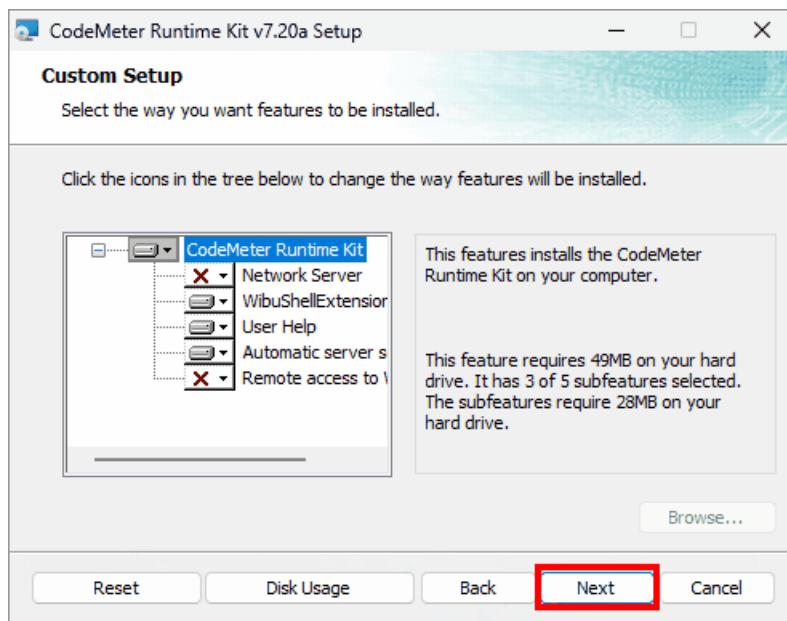
**Step 4:** Click Next and check I accept the terms in the License Agreement, as illustrated below.



**Step 5:** Click Next, check Install for all users of this machine, and click Next, as illustrated below.

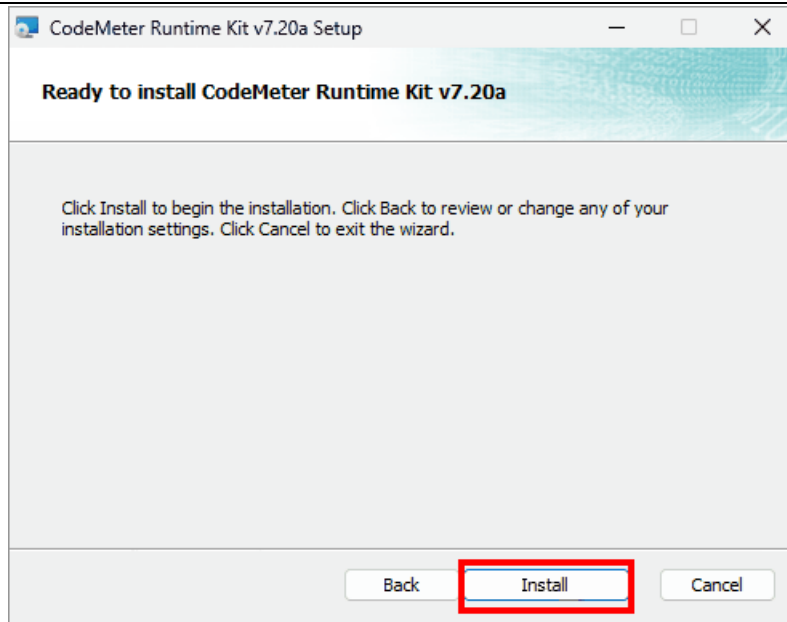


**Step 6:** Retain the default configuration and click Next, as illustrated below.

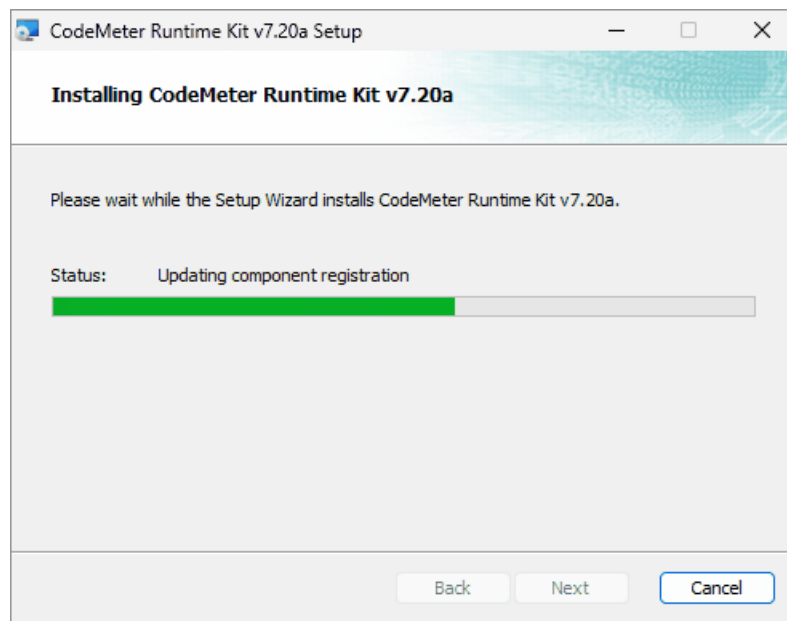


**Step 7:** Click Install, as illustrated below.

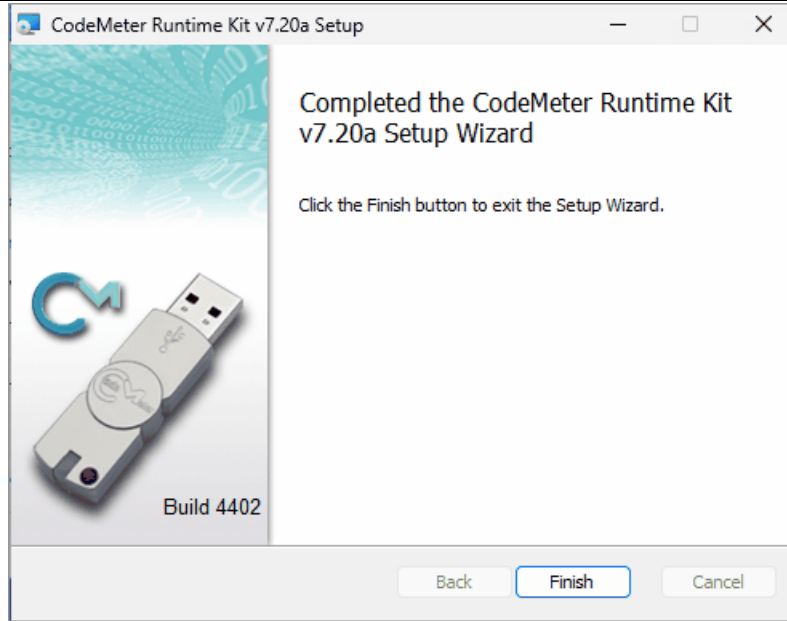




**Step 8:** Installation is in progress, as illustrated below.



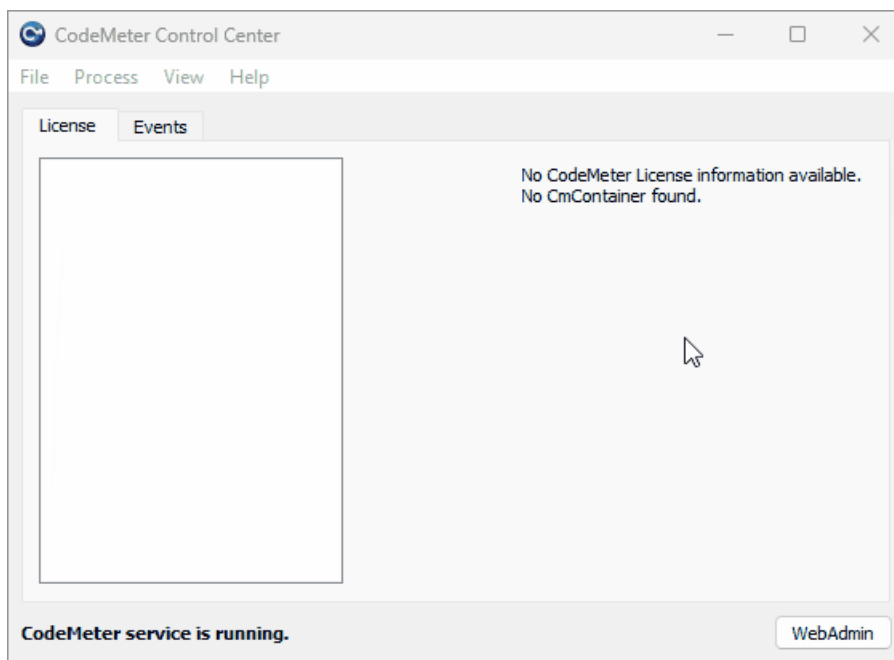
**Step 9:** The installation is completed, as illustrated below.



After installation, the CodeMeter Runtime icon can be seen in the lower-right corner of the computer screen, as illustrated below.



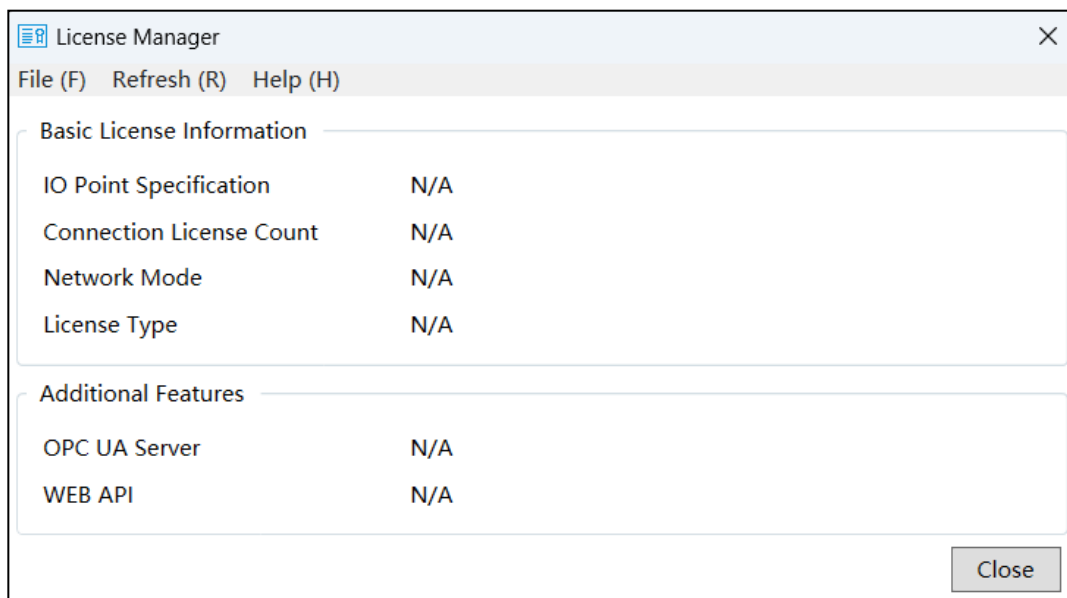
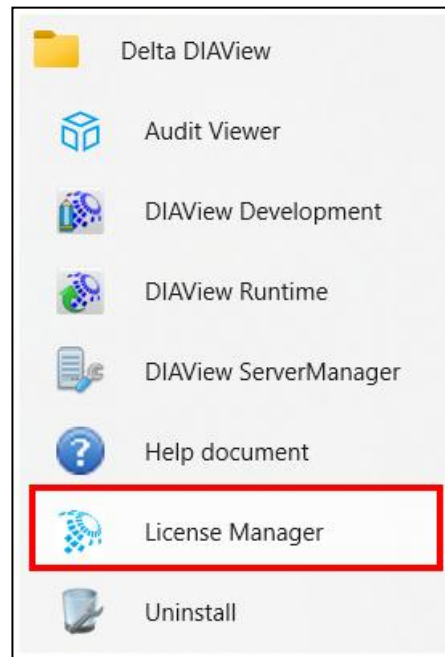
Click the CodeMeter Runtime icon to open CodeMeter Control Center, as illustrated below.



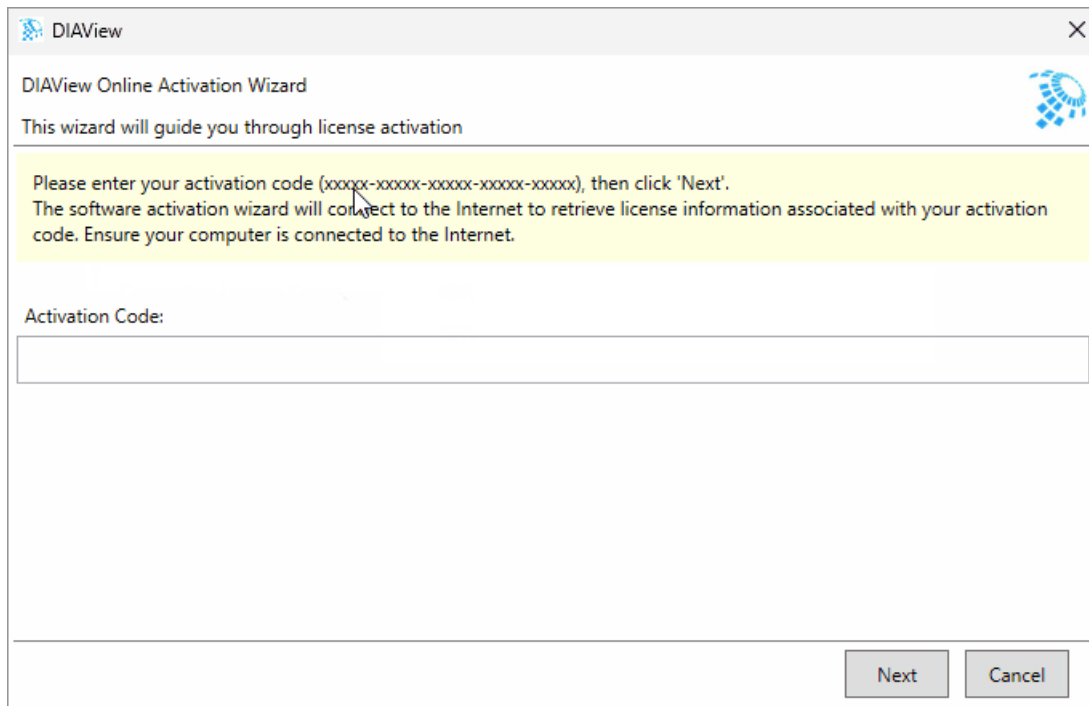
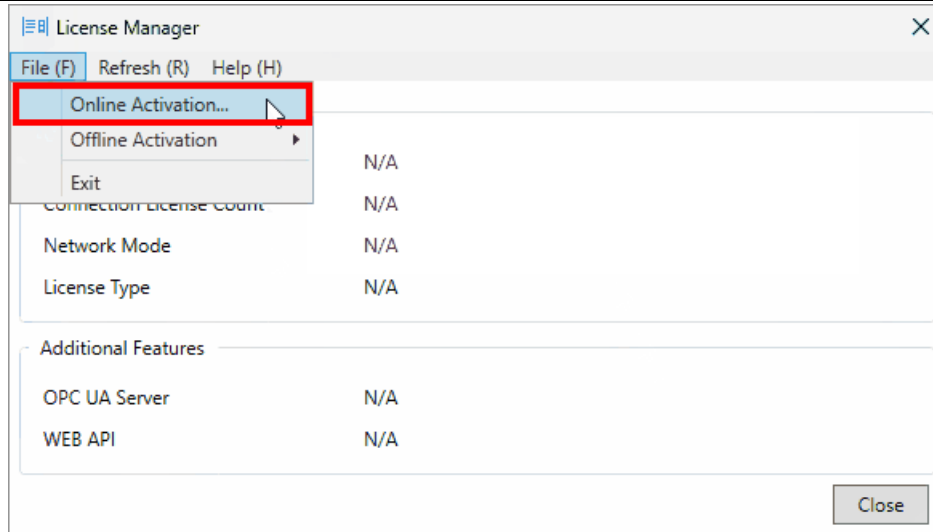
## 18.2 Online Activation

Online Activation is recommended when the computer pending activation has network access.

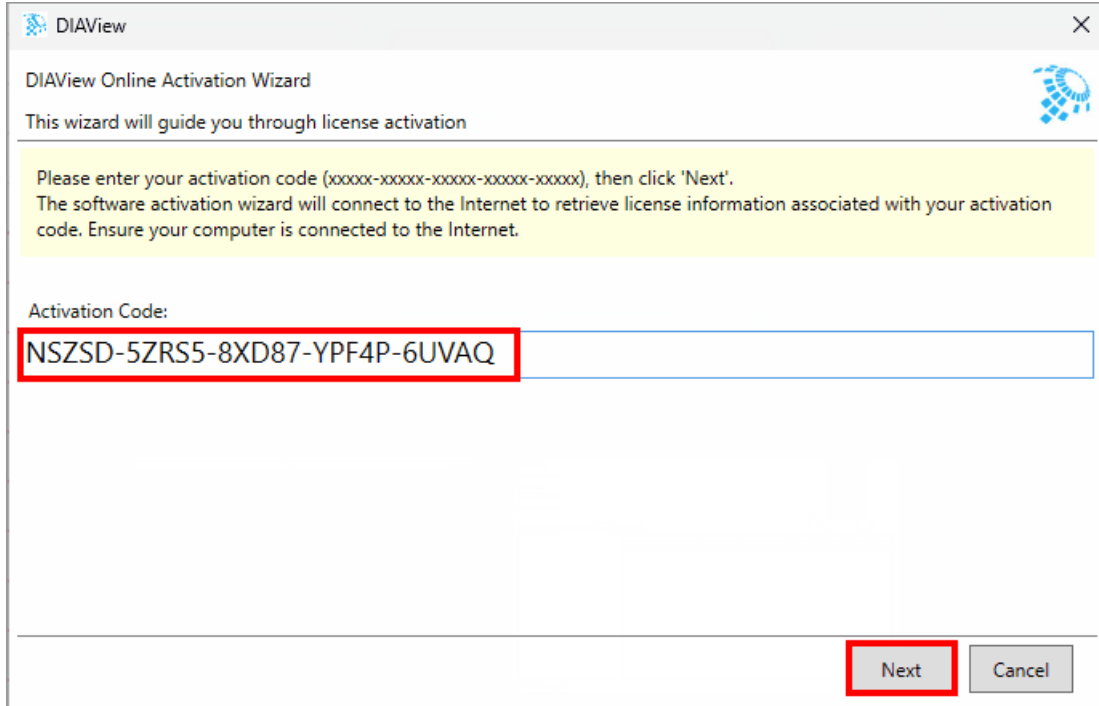
**Step 1:** Navigate to the DIAView installation directory and open License Manager, as illustrated below.



**Step 2:** Open File → Online Activation, as illustrated below.



**Step 3:** Enter the Activation Code and click Next, as illustrated below.



DIAView Online Activation Wizard

This wizard will guide you through license activation

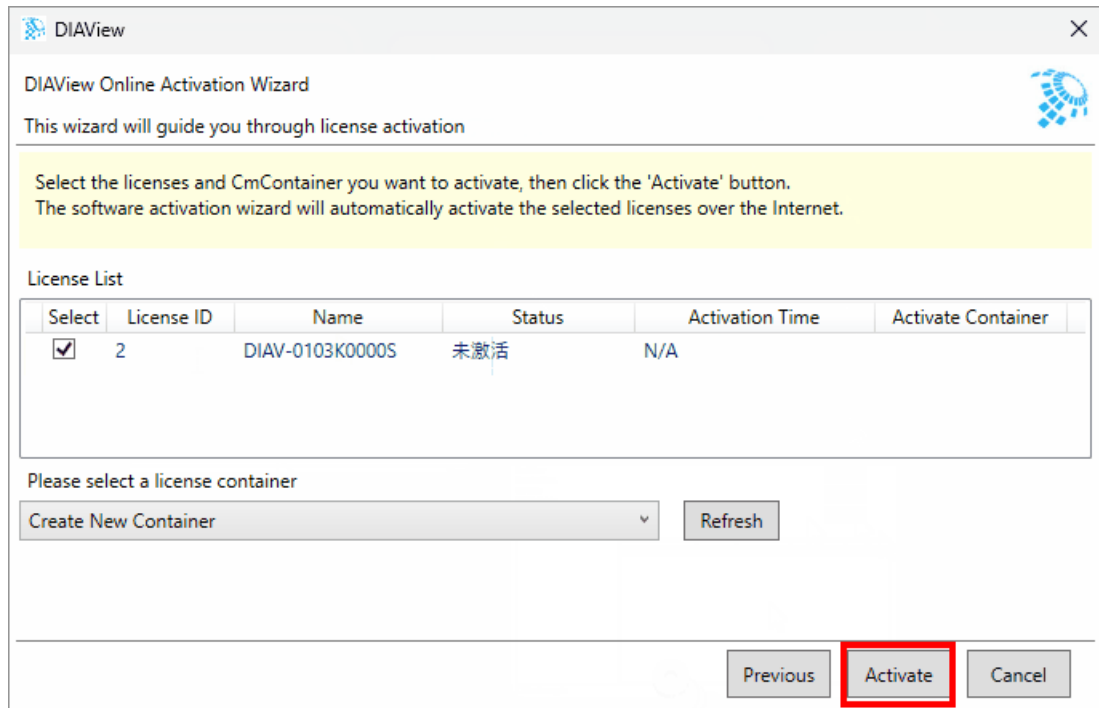
Please enter your activation code (xxxxx-xxxxx-xxxxx-xxxxx-xxxxx), then click 'Next'.  
The software activation wizard will connect to the Internet to retrieve license information associated with your activation code. Ensure your computer is connected to the Internet.

Activation Code:

NSZSD-5ZRS5-8XD87-YPF4P-6UVAQ

Next Cancel

**Step 4:** Click Activate to start the activation process, as illustrated below.



DIAView Online Activation Wizard

This wizard will guide you through license activation

Select the licenses and CmContainer you want to activate, then click the 'Activate' button.  
The software activation wizard will automatically activate the selected licenses over the Internet.

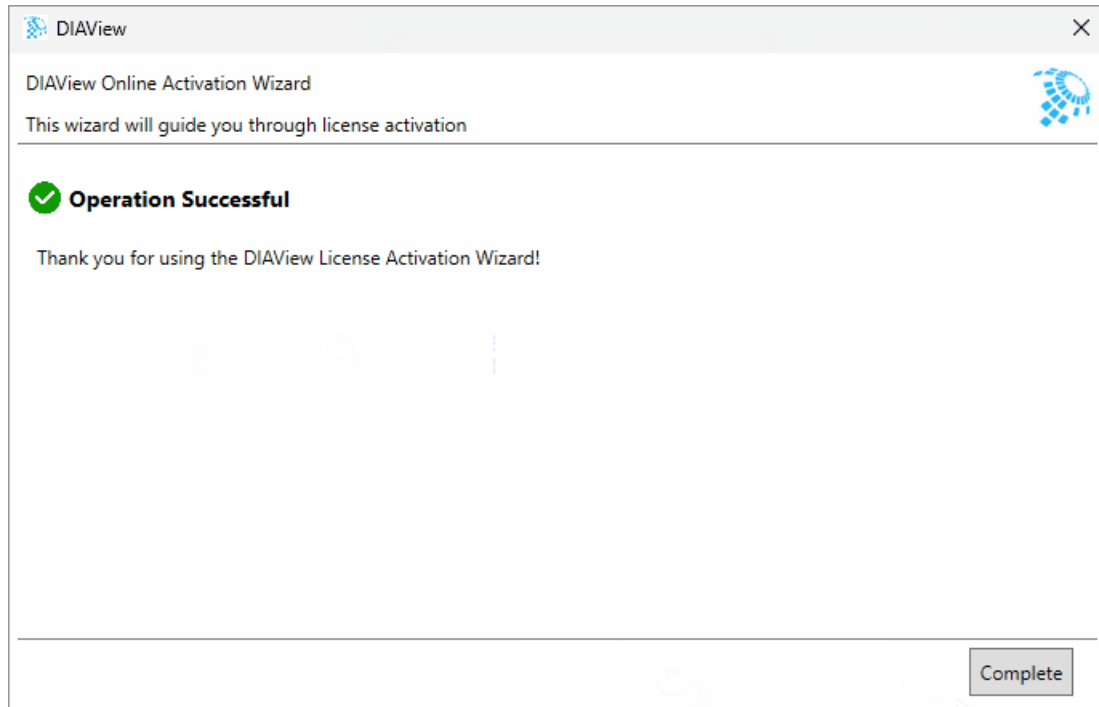
License List

| Select                              | License ID | Name            | Status | Activation Time | Activate Container |
|-------------------------------------|------------|-----------------|--------|-----------------|--------------------|
| <input checked="" type="checkbox"/> | 2          | DIAB-0103K0000S | 未激活    | N/A             |                    |

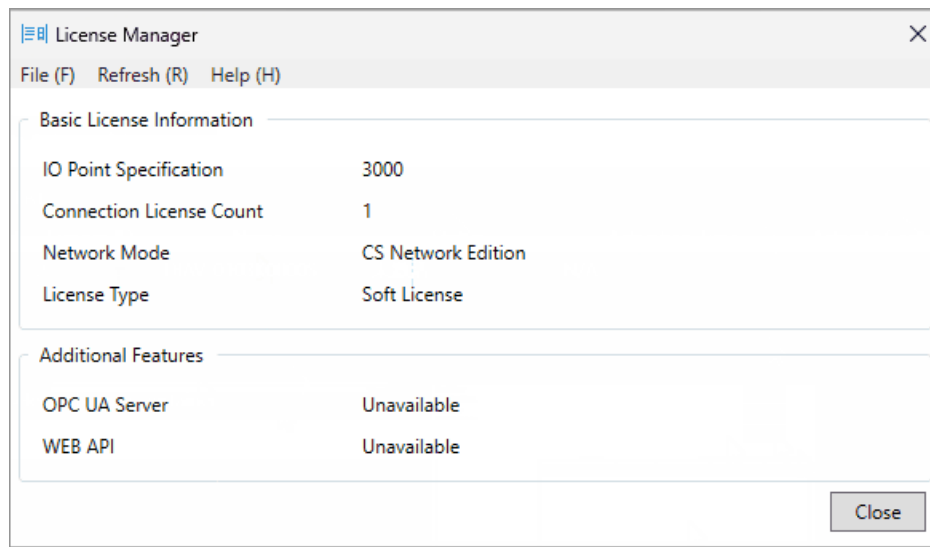
Please select a license container

Create New Container Refresh

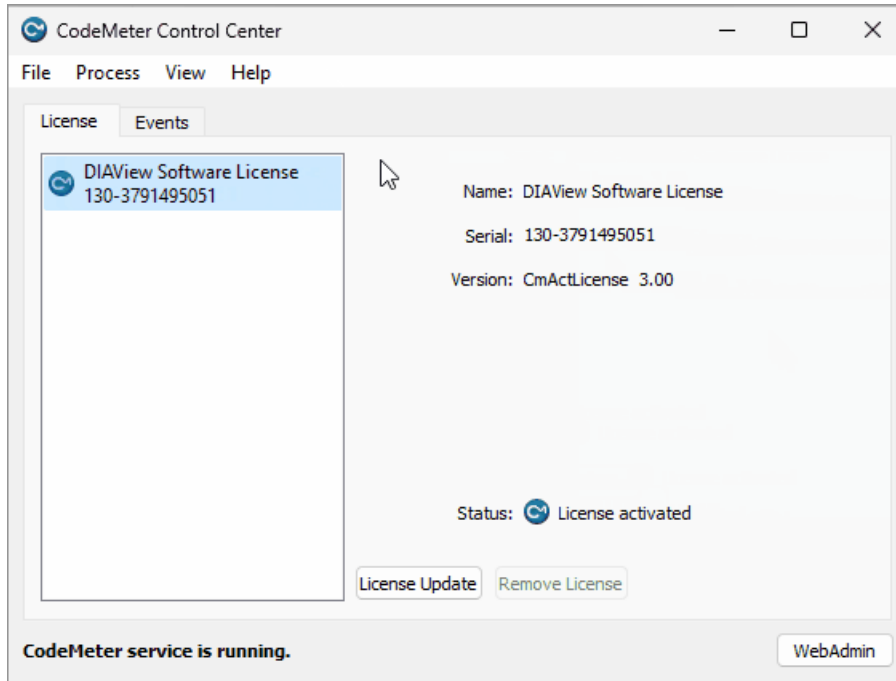
Previous Activate Cancel



**Step 5:** Activation completed. In License Manager, verify the following information: IO Point Specification is 3000, Connection License Count is 1, Network Mode is CS Network Edition, and License Type is Soft License, as illustrated below.



**Step 6:** Open CodeMeter Control Center. The displayed DIAView Software License indicates that Online Activation has succeeded, as illustrated below.



## 18.3 Offline Activation and Offline Upgrade

Offline Activation: Offline Activation shall be adopted when the computer pending activation cannot access the network. Two computers are required for Offline Activation: the computer pending activation and another computer with internet access.

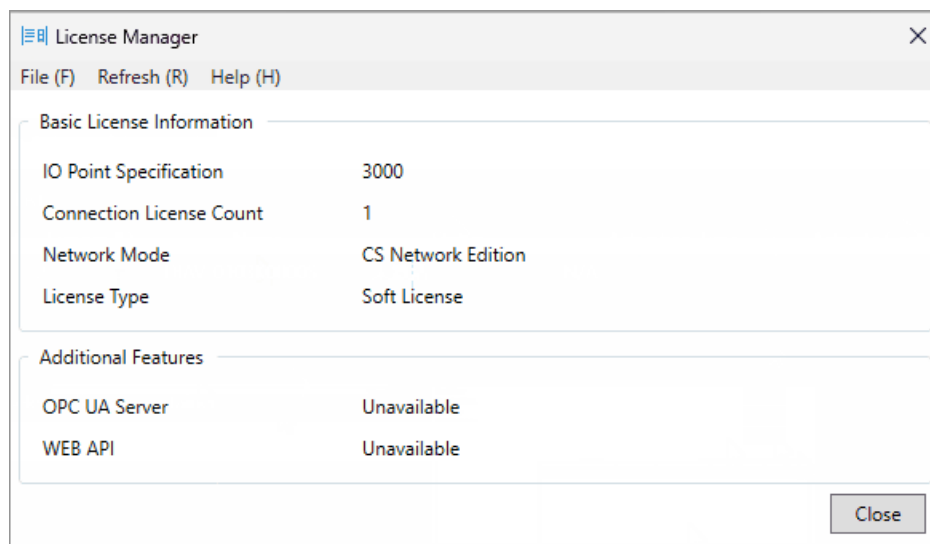
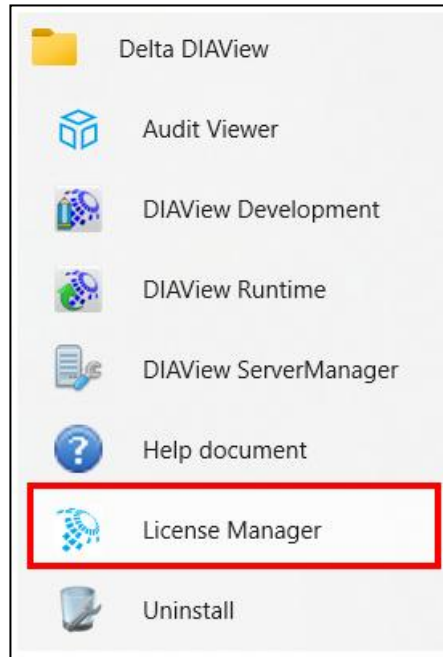
Offline Upgrade: Offline Upgrade is used when an activated computer cannot access the network and the security dongle needs to be upgraded. Two computers are required for Offline Upgrade: the computer pending upgrade and another computer with internet access.

This guide takes Offline Upgrade as an example.

### 18.3.1 Create License Request File

Create the License Request File on the computer pending upgrade.

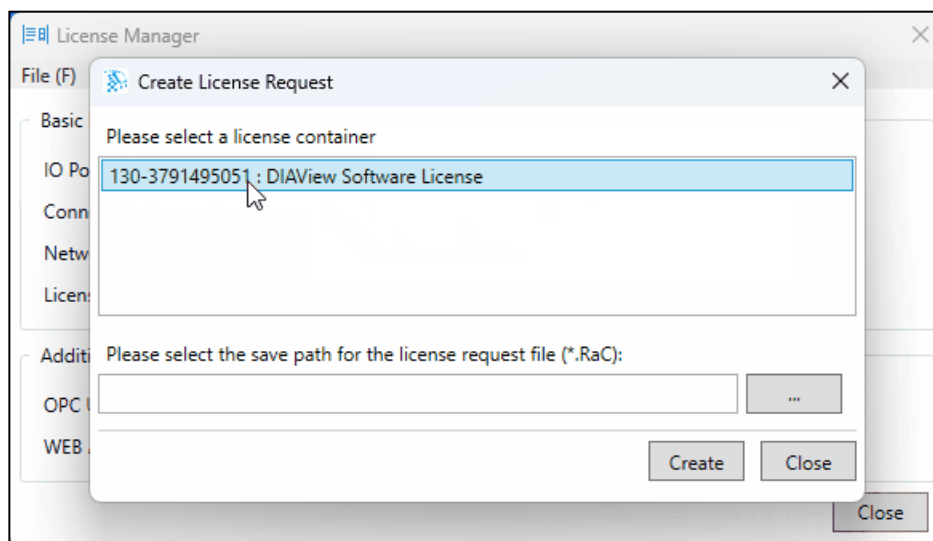
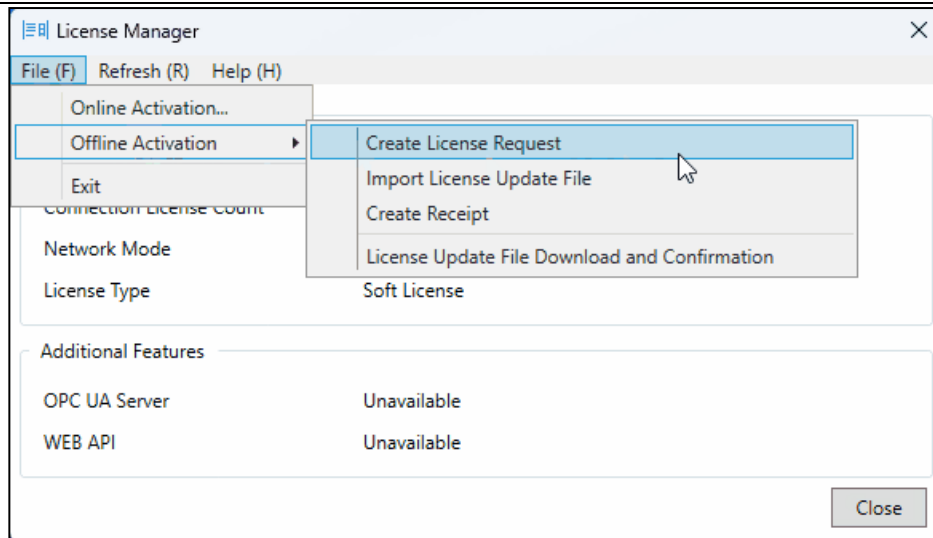
**Step 1:** Navigate to the DIAView installation directory and open License Manager, as illustrated below.



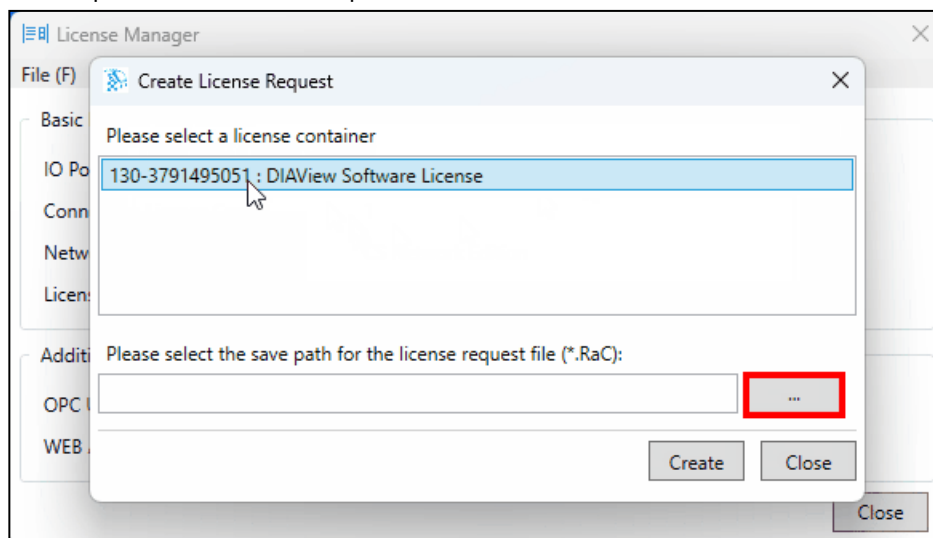
In License Manager, you can see the following information: IO Point Specification is 3000, Connection License Count is 1, Network Mode is CS Network Edition, and License Type is Soft License.

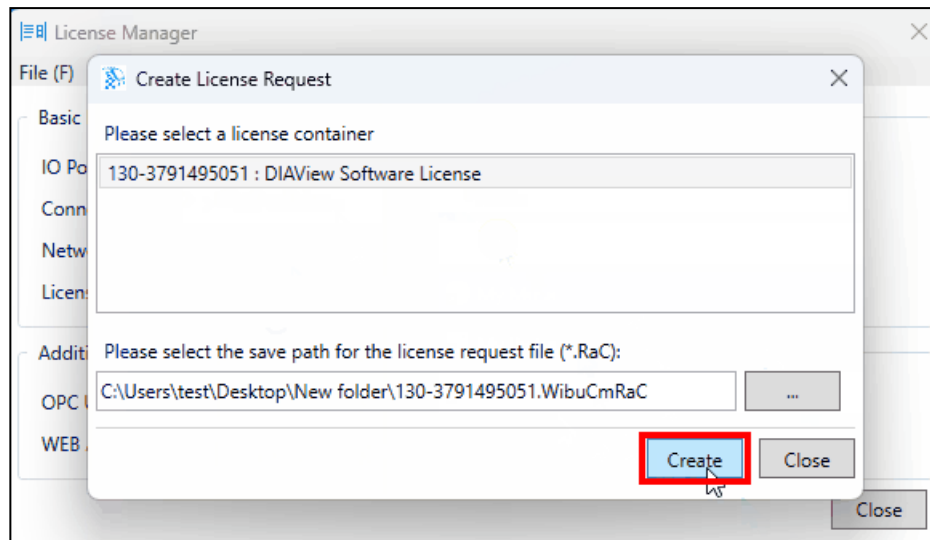
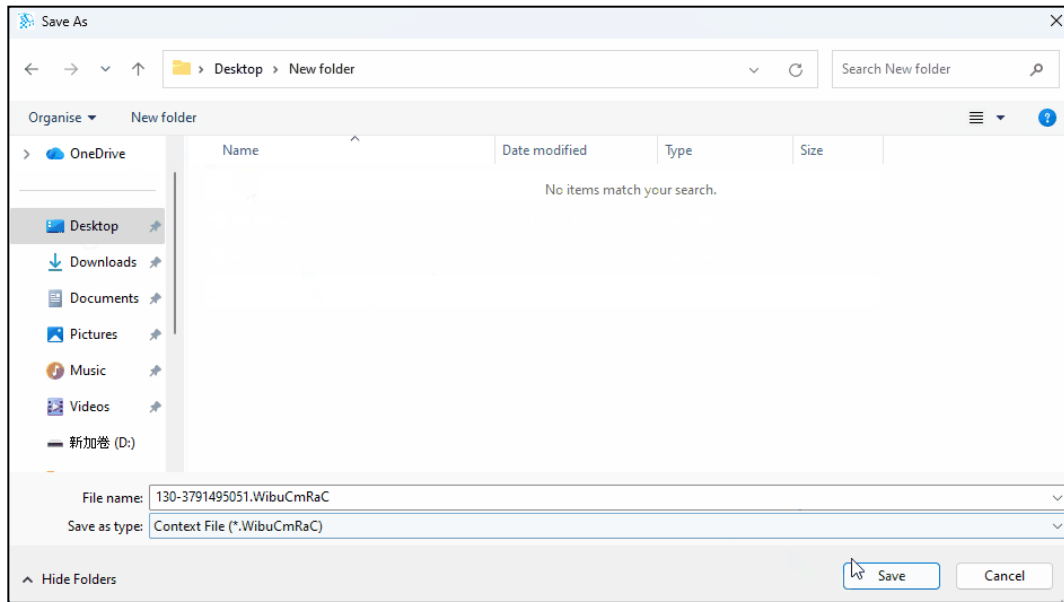
**Step 2:** Open File → Offline Activation → Create License Request to launch the Create License Request window, as illustrated below.



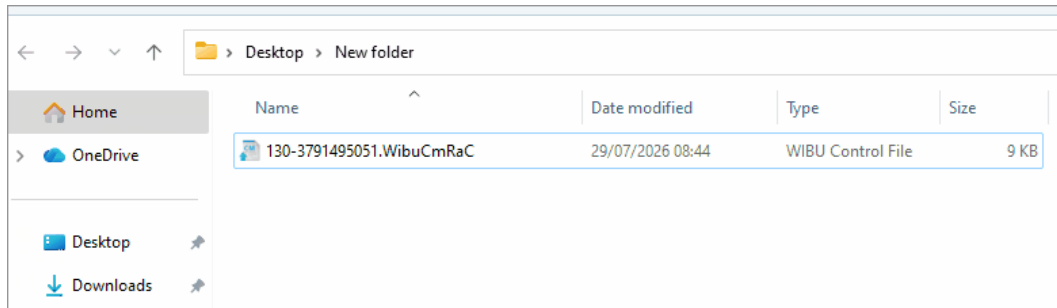
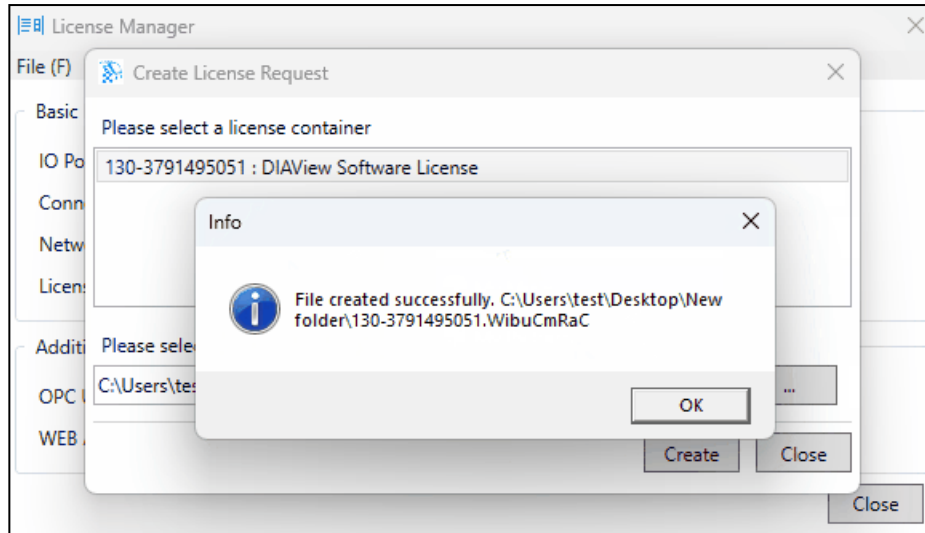


**Step 3:** Select the save path for the License Request File and click Create, as illustrated below.





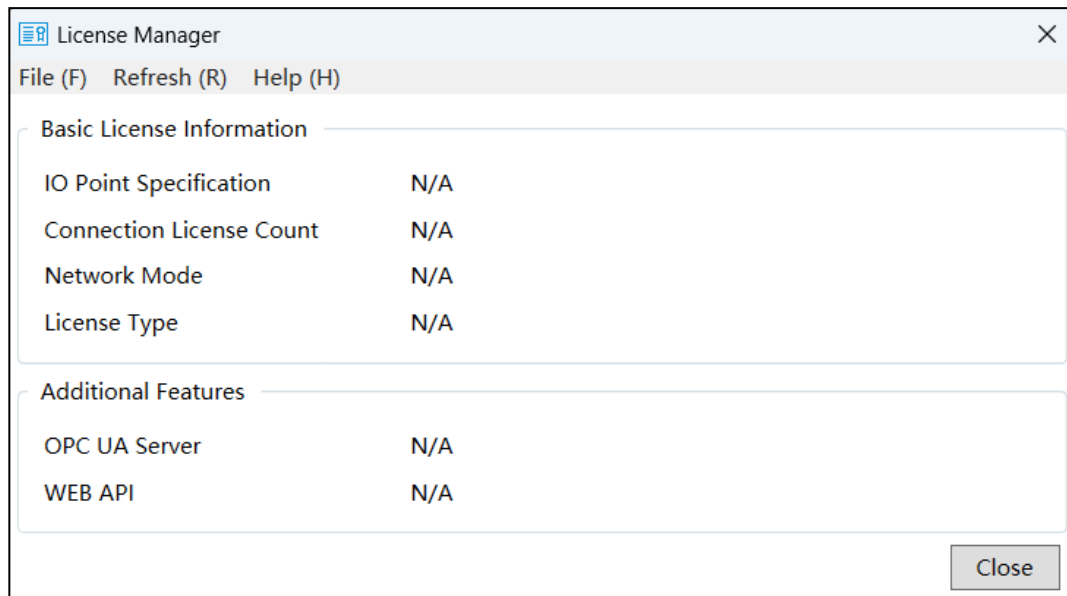
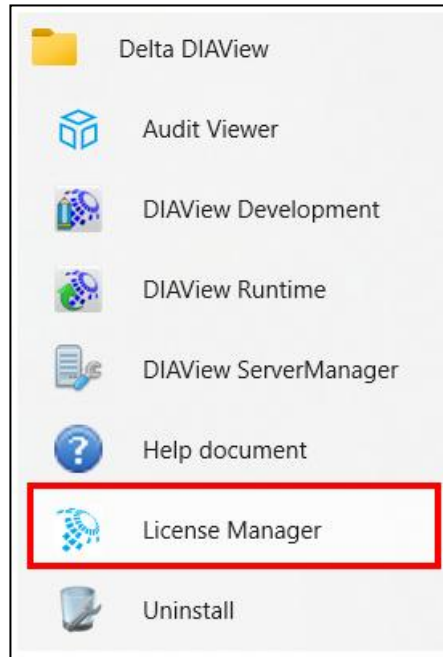
**Step 3:** The License Request File has been created successfully. The file will be generated under the selected path, as illustrated below.



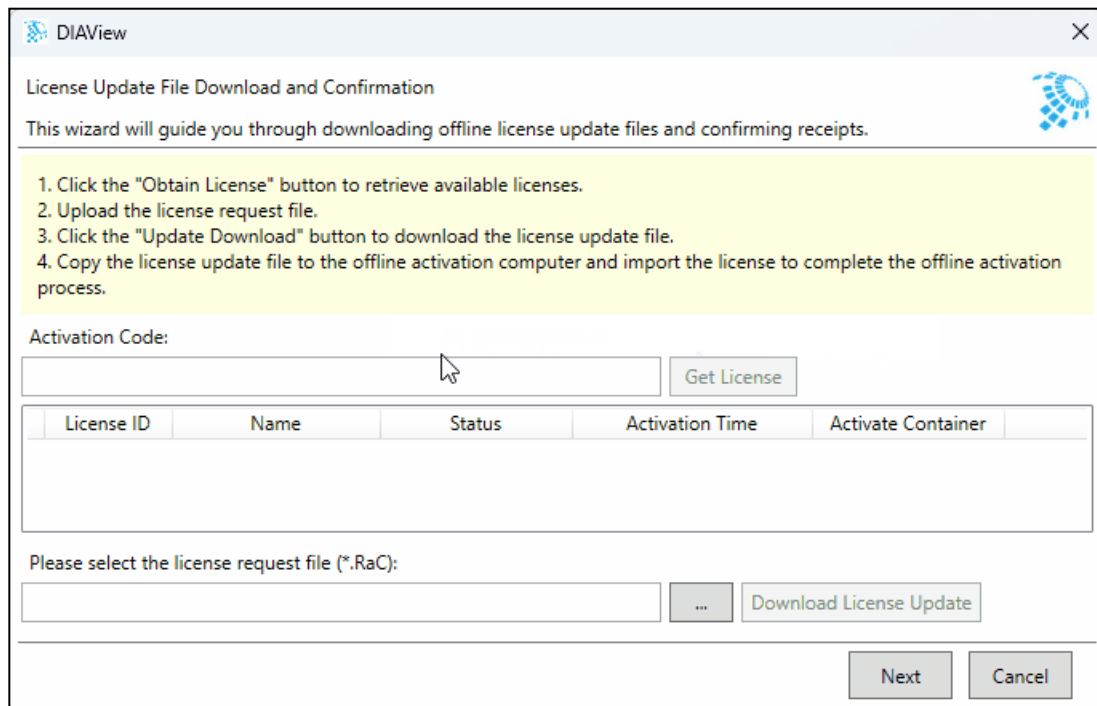
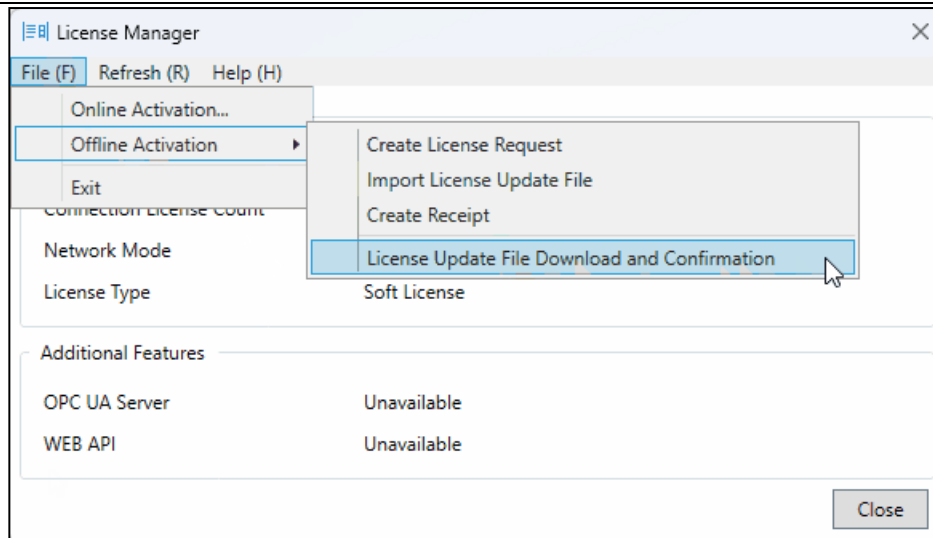
### 18.3.2 Create License Update Request File

Create the License Update Request File on the computer with internet access. Prior to this step, copy the License Request File generated in Section **18.3.2 Create License Request File** to the internet-connected computer. The License Update Request File is generated using the License Request File together with the Activation Code.

**Step 1:** Navigate to the DIAView installation directory and open License Manager, as illustrated below.



**Step 2:** Open File → Offline Activation → License Update File Download and Confirmation, as illustrated below.



**Step 3:** Enter the Activation Code and click Get License. An update license named DIAV-0300005UPS will be generated, as illustrated below.

DIAView

License Update File Download and Confirmation

This wizard will guide you through downloading offline license update files and confirming receipts.

1. Click the "Obtain License" button to retrieve available licenses.
2. Upload the license request file.
3. Click the "Update Download" button to download the license update file.
4. Copy the license update file to the offline activation computer and import the license to complete the offline activation process.

Activation Code:

CWBC7-AJXU6-8PDEX-PEK2F-6985J

Get License

| License ID | Name | Status | Activation Time | Activate Container |
|------------|------|--------|-----------------|--------------------|
|            |      |        |                 |                    |

Please select the license request file (\*.RaC):

...

Download License Update

Next

Cancel

DIAView

License Update File Download and Confirmation

This wizard will guide you through downloading offline license update files and confirming receipts.

1. Click the "Obtain License" button to retrieve available licenses.
2. Upload the license request file.
3. Click the "Update Download" button to download the license update file.
4. Copy the license update file to the offline activation computer and import the license to complete the offline activation process.

Activation Code:

CWBC7-AJXU6-8PDEX-PEK2F-6985J

Get License

| License ID | Name            | Status | Activation Time | Activate Container |
|------------|-----------------|--------|-----------------|--------------------|
| 1          | DIAV-0300005UPS | 未激活    | N/A             |                    |

Please select the license request file (\*.RaC):

...

Download License Update

Next

Cancel

**Step 3:** Select the License Request File and click Download License Update, as illustrated below.

DIAView

License Update File Download and Confirmation

This wizard will guide you through downloading offline license update files and confirming receipts.

1. Click the "Obtain License" button to retrieve available licenses.
2. Upload the license request file.
3. Click the "Update Download" button to download the license update file.
4. Copy the license update file to the offline activation computer and import the license to complete the offline activation process.

Activation Code:  
CWBC7-AJXU6-8PDEX-PEK2F-6985J

Get License

| License ID | Name            | Status | Activation Time | Activate Container |
|------------|-----------------|--------|-----------------|--------------------|
| 1          | DIAV-0300005UPS | 未激活    | N/A             |                    |

Please select the license request file (\*.RaC):

Download License Update

Next

Cancel

Open

Desktop > New folder

Search New folder

Organise New folder

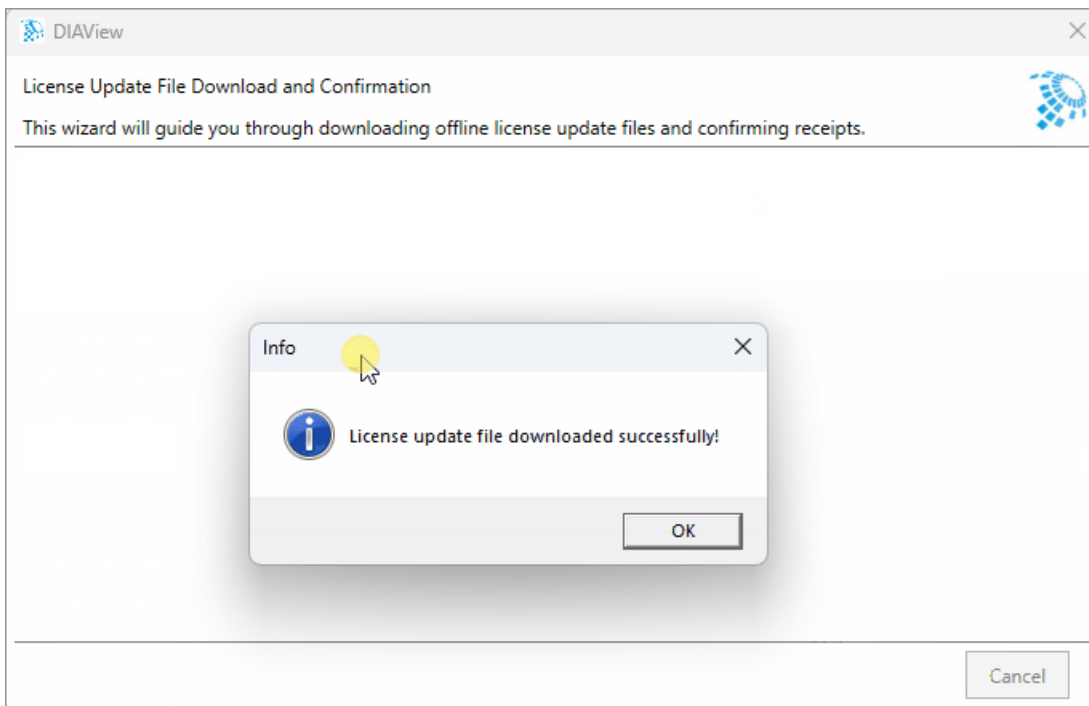
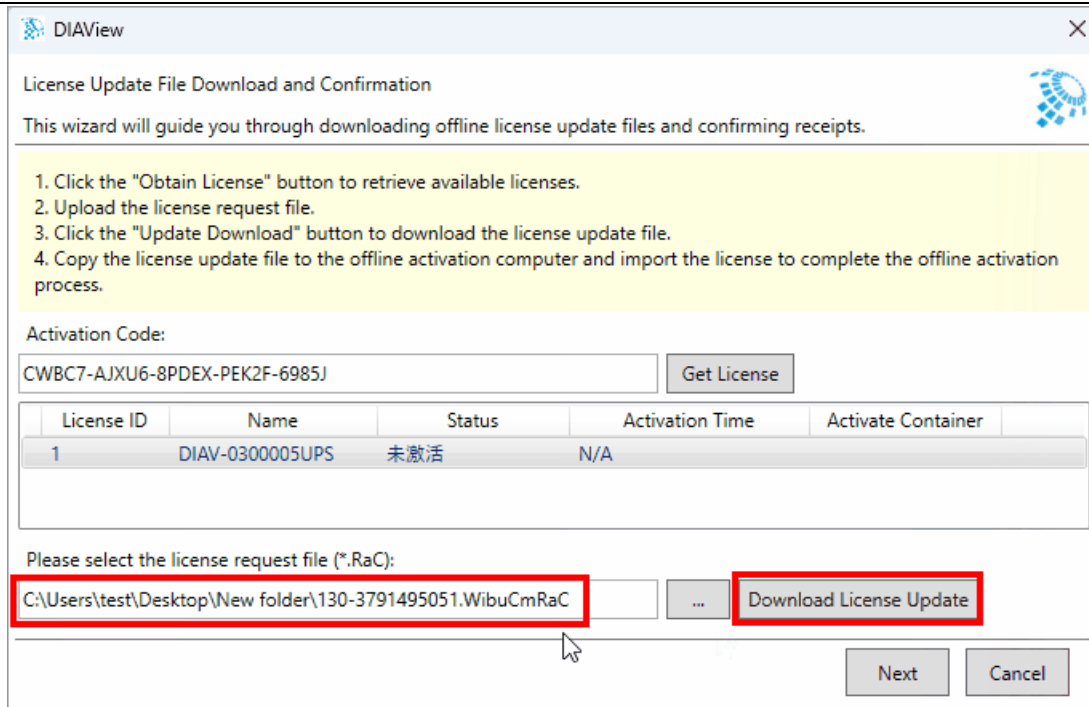
| Name                     | Date modified    | Type              | Size |
|--------------------------|------------------|-------------------|------|
| 130-3791495051.WibuCmRaC | 29/07/2026 08:44 | WIBU Control File | 9 KB |

File name: 130-3791495051.WibuCmRaC

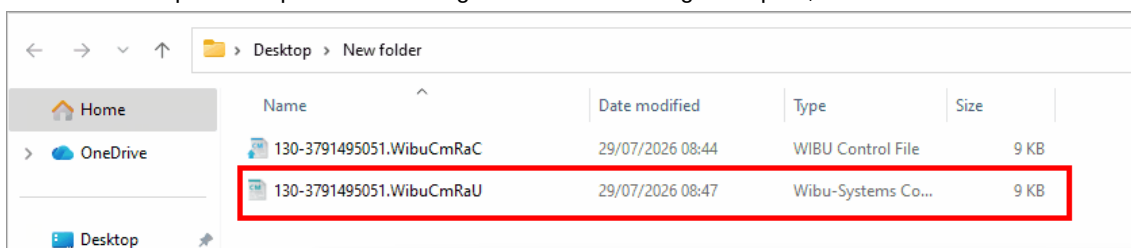
Context File (\*.WibuCmRaC)

Open

Cancel

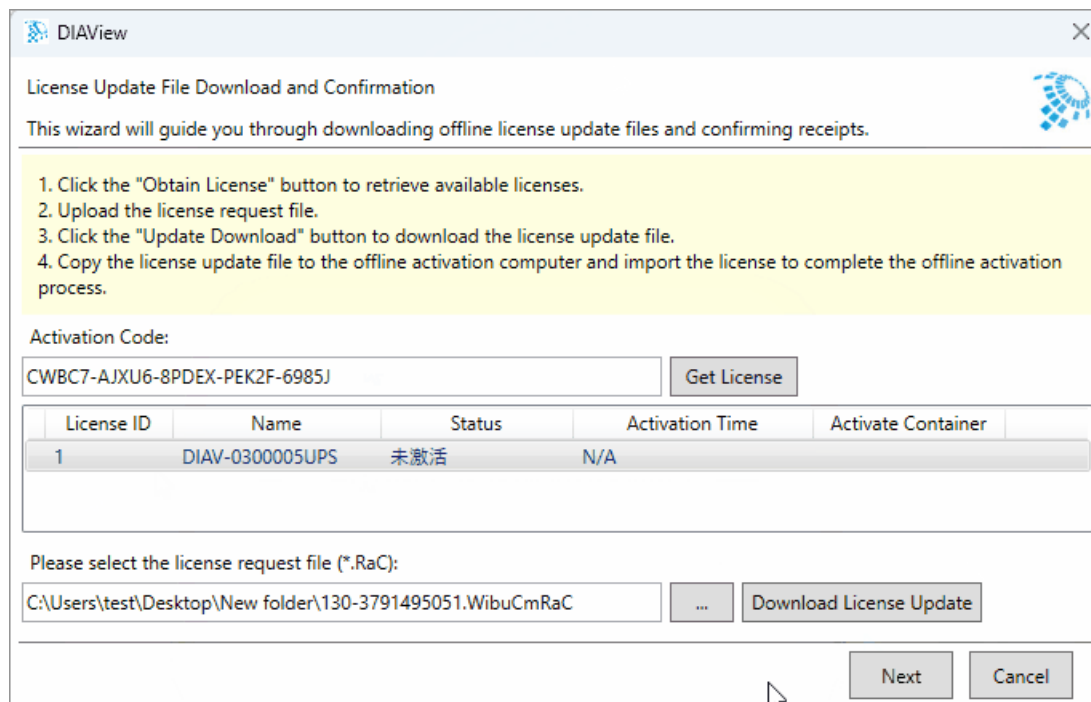
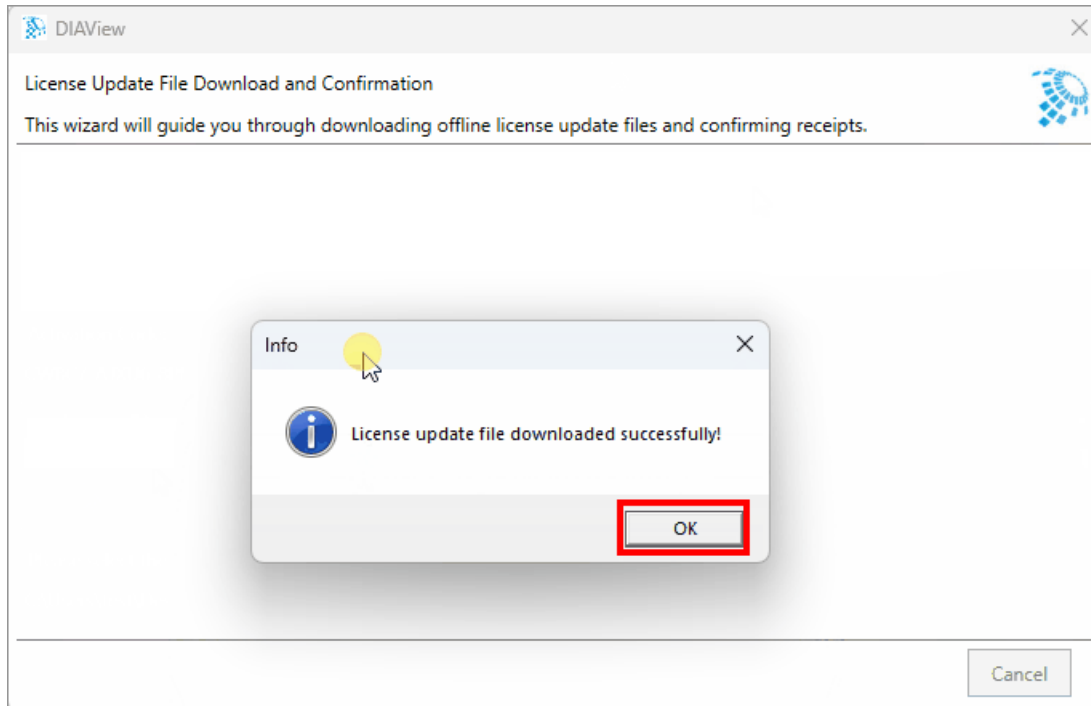


**Step 4:** The License Update Request File will be generated in the designated path, as illustrated below.

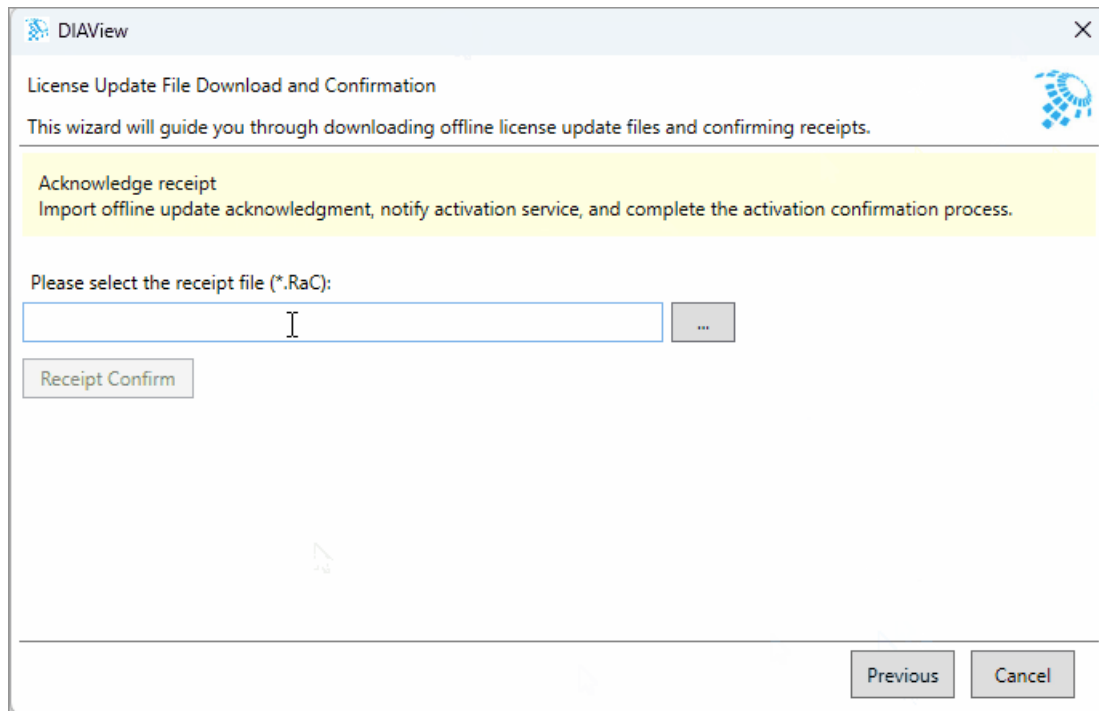




**Step 5:** Click OK in the pop-up window showing License update file downloaded successfully, and you will return to the interface shown in the figure below.



**Step 6:** Click Next to enter the Receipt Confirm interface, as illustrated below.

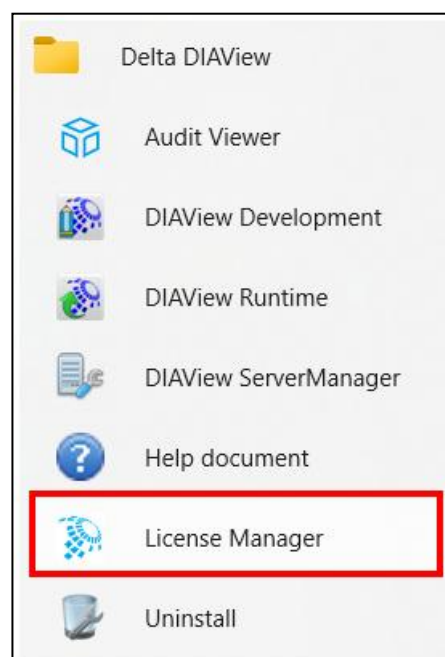


Do not close this window. After the receipt is generated on the computer pending activation, import the receipt in this window and confirm it.

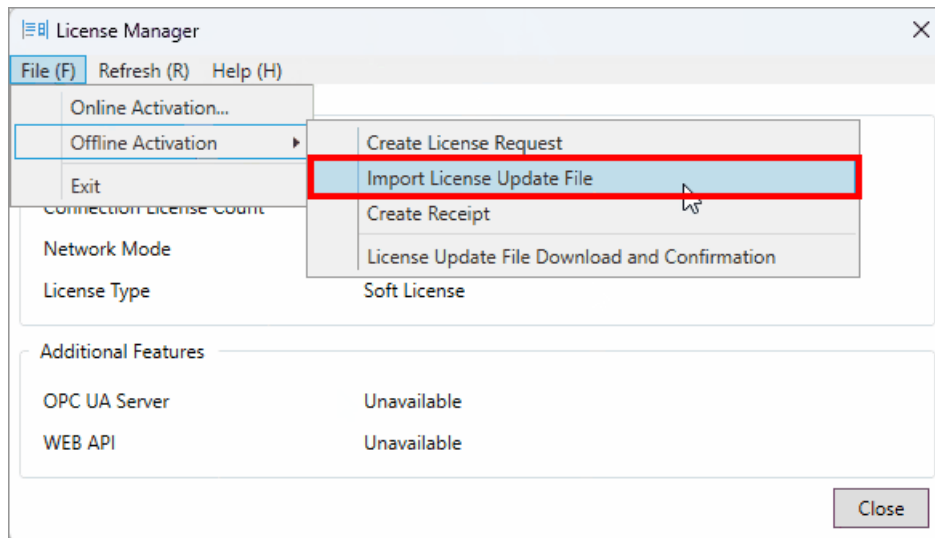
### 18.3.3 Import License Update Request File

Import the License Update Request File on the computer pending upgrade. Prior to this operation, copy the License Update Request File generated in Section **18.3.2 Create License Update Request File** to the computer pending upgrade.

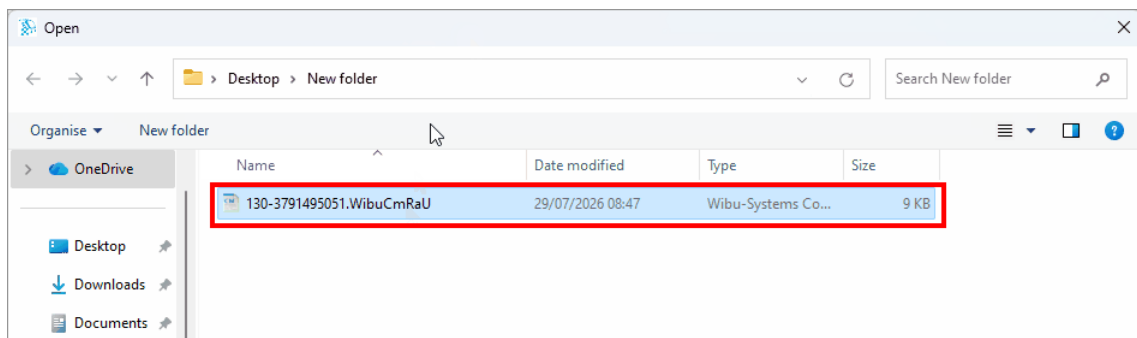
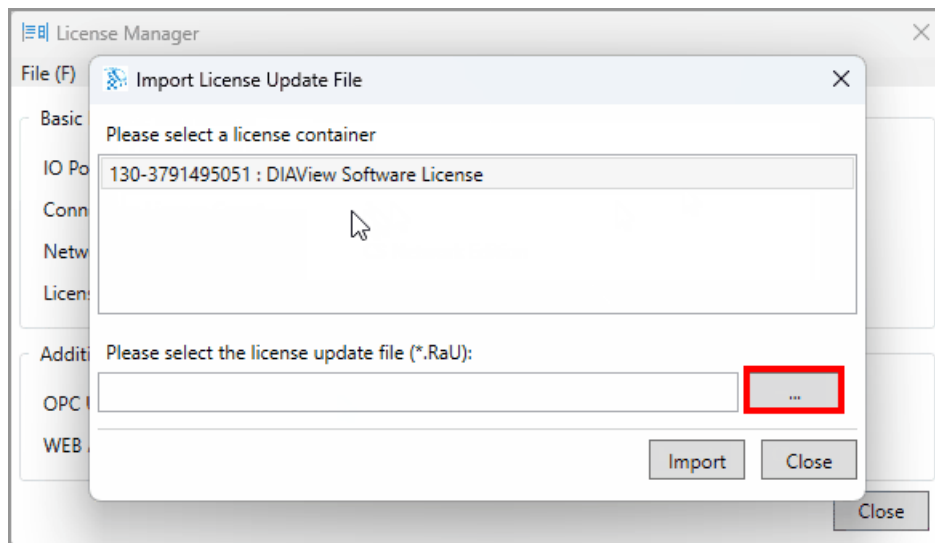
**Step 1:** Navigate to the DIAView installation directory and open License Manager, as illustrated below.

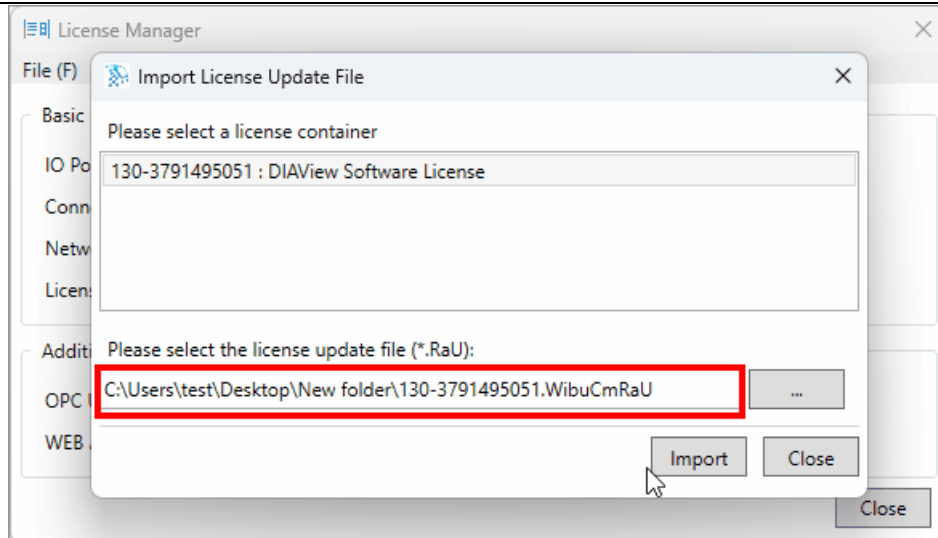


**Step 2:** Open File → Offline Activation → Import License Update File, as illustrated below.

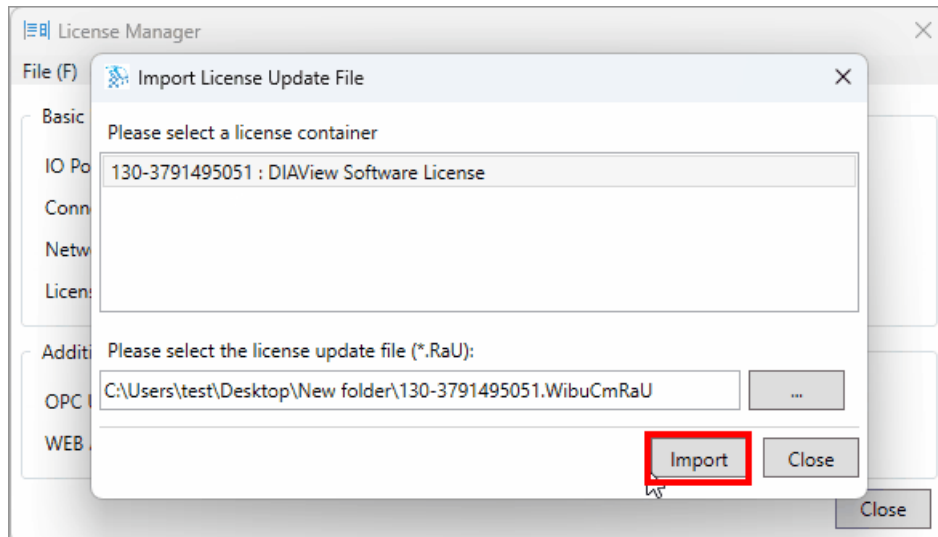


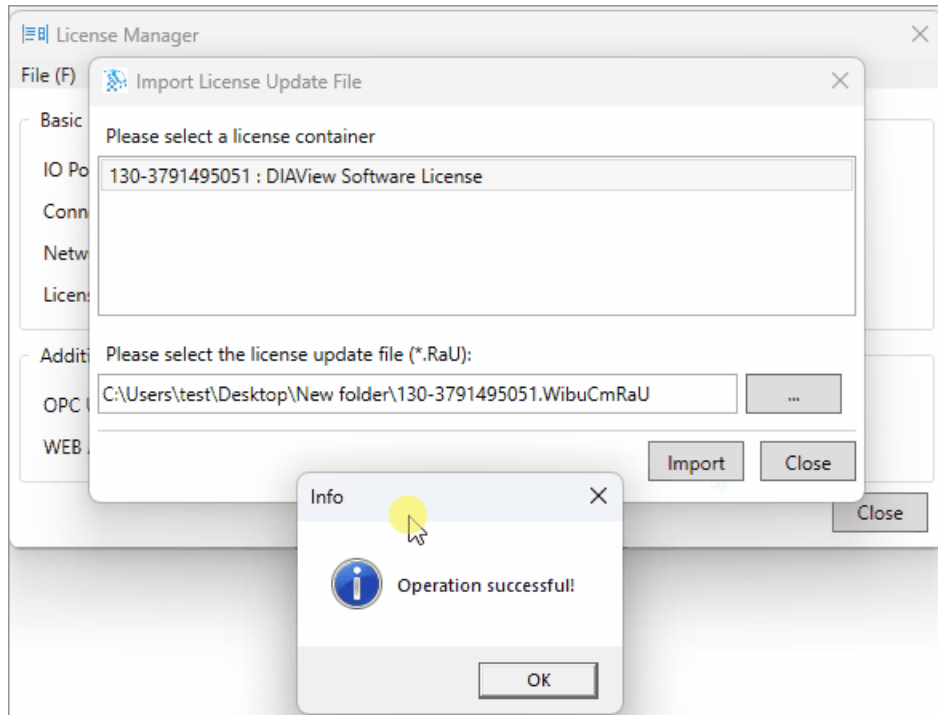
**Step 3:** Open File → Offline Activation → Import License Update File, select the license container and choose the license update file to be imported, as illustrated below.





**Step 4:** Click Import to import the license update file, as illustrated below.

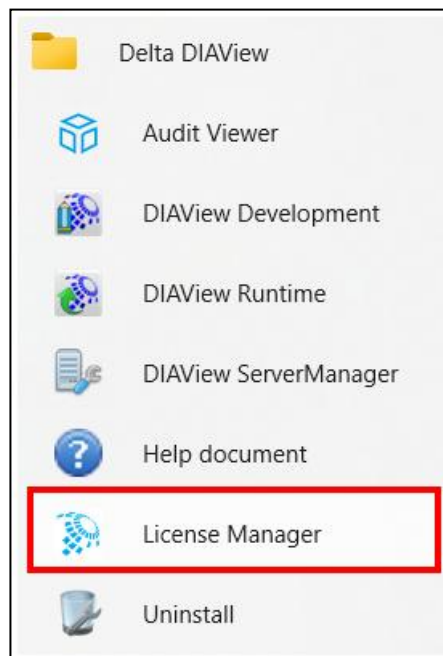




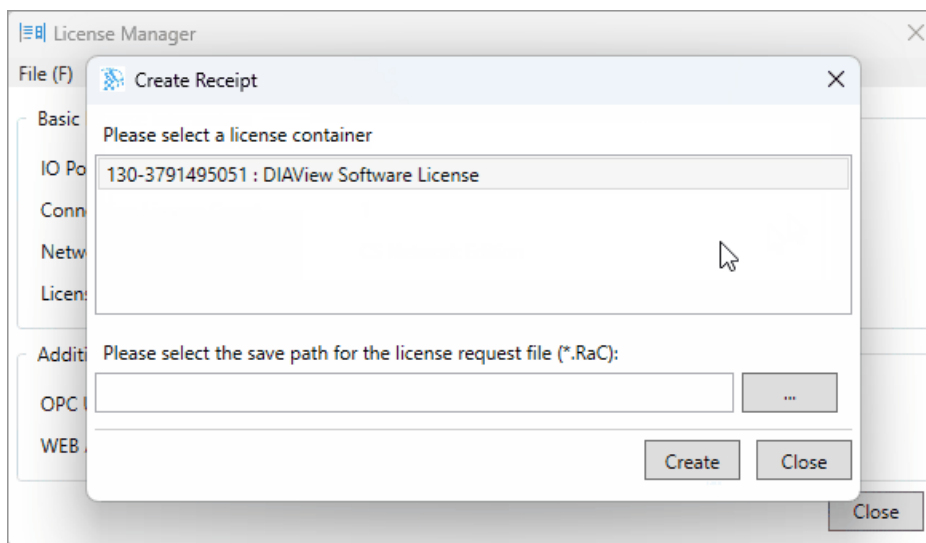
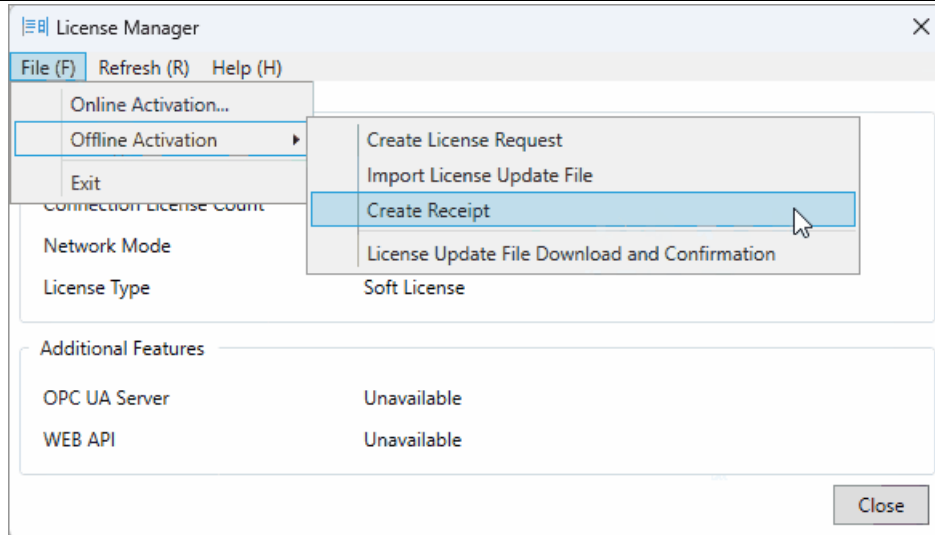
### 18.3.4 Create Receipt

Create the receipt on the computer pending upgrade.

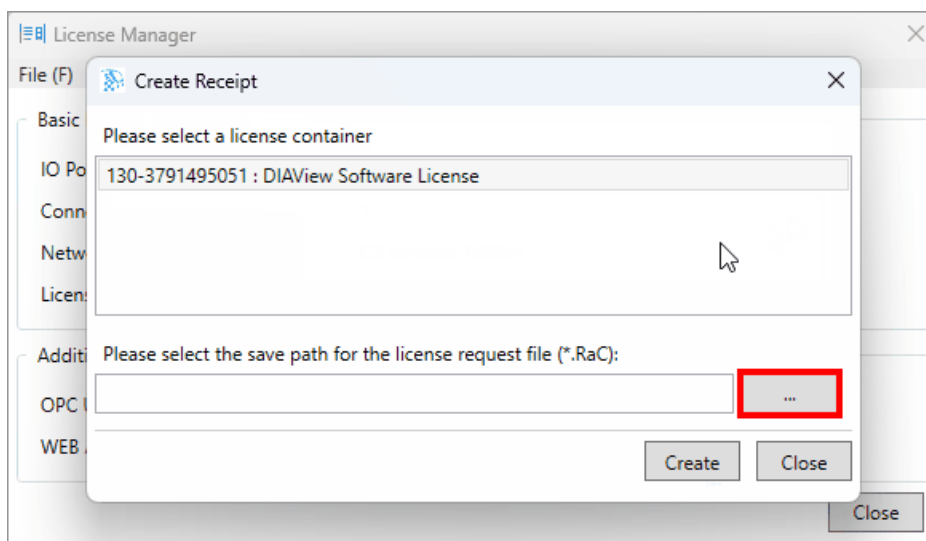
**Step 1:** Navigate to the DIView installation directory and open License Manager, as illustrated below.

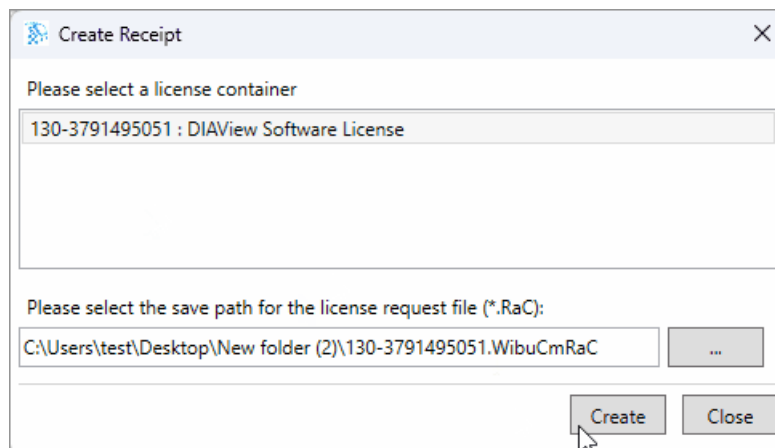
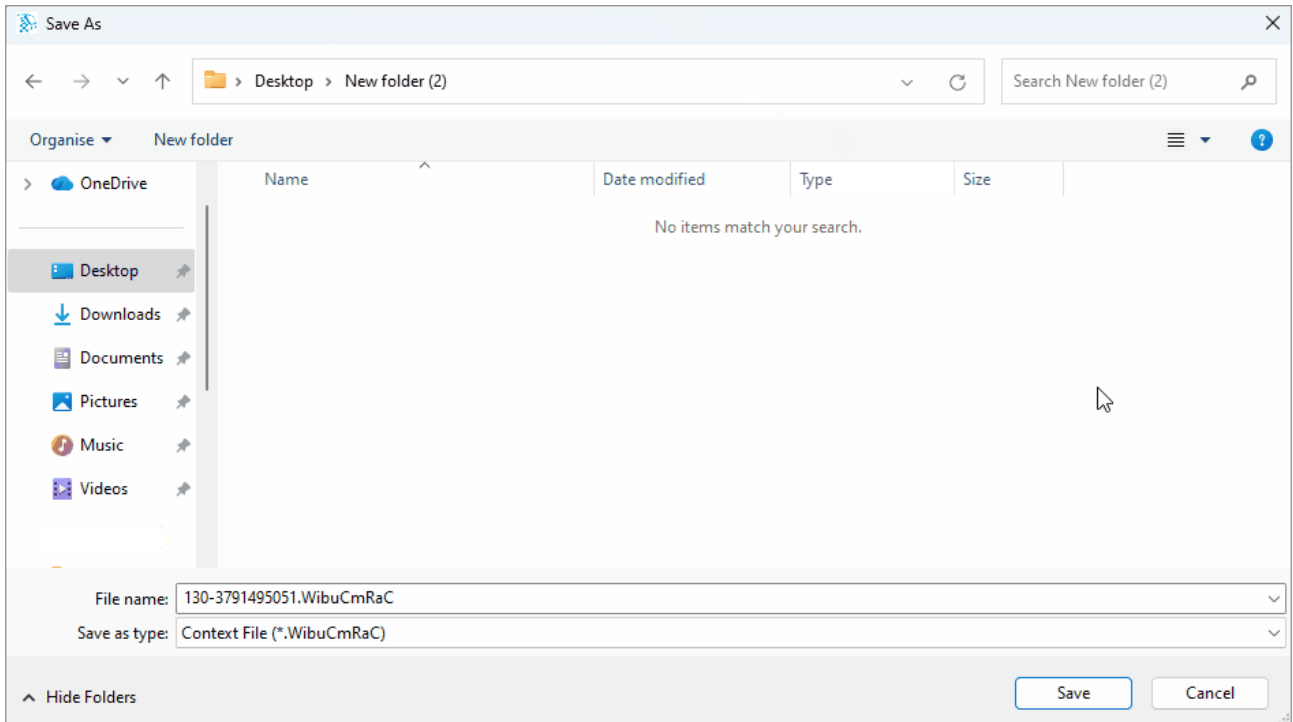


**Step 2:** Open File → Offline Activation → Create Receipt, as illustrated below.

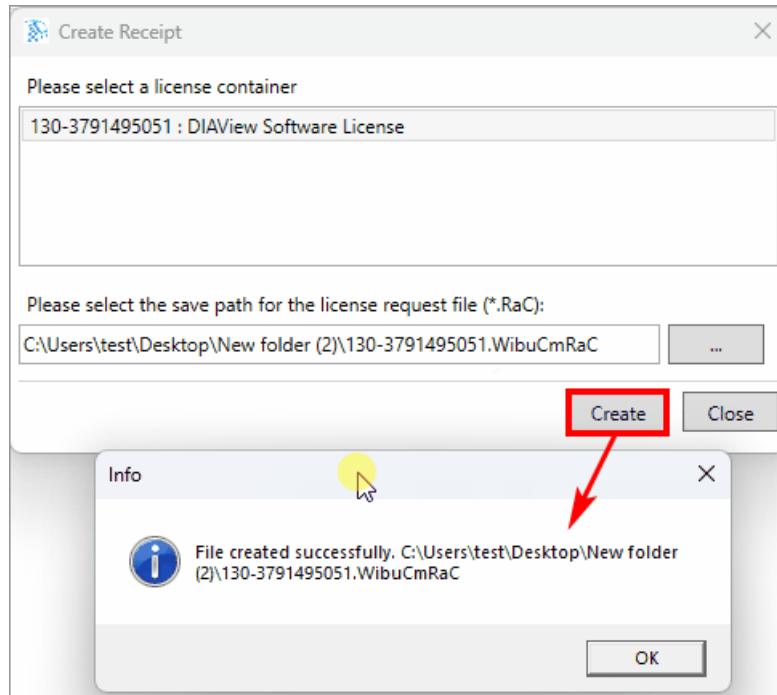


**Step 3:** Select the save path for the receipt, as illustrated below.

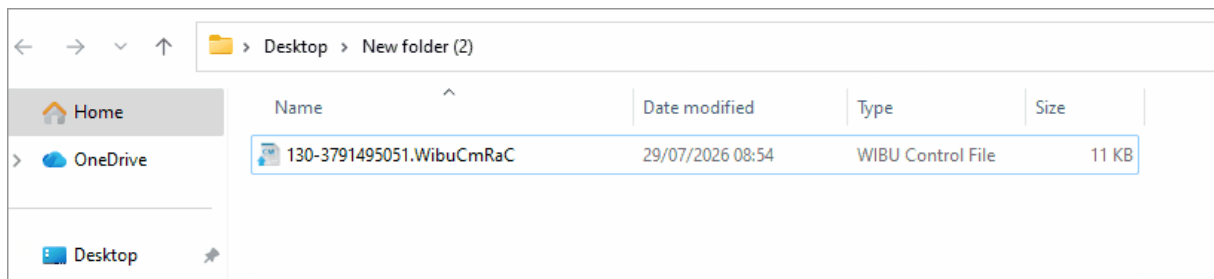




**Step 4:** Click Create to generate the receipt, as illustrated below.



**Step 4:** The receipt will be generated in the designated path, as illustrated below.



### 18.3.5 Confirm Receipt

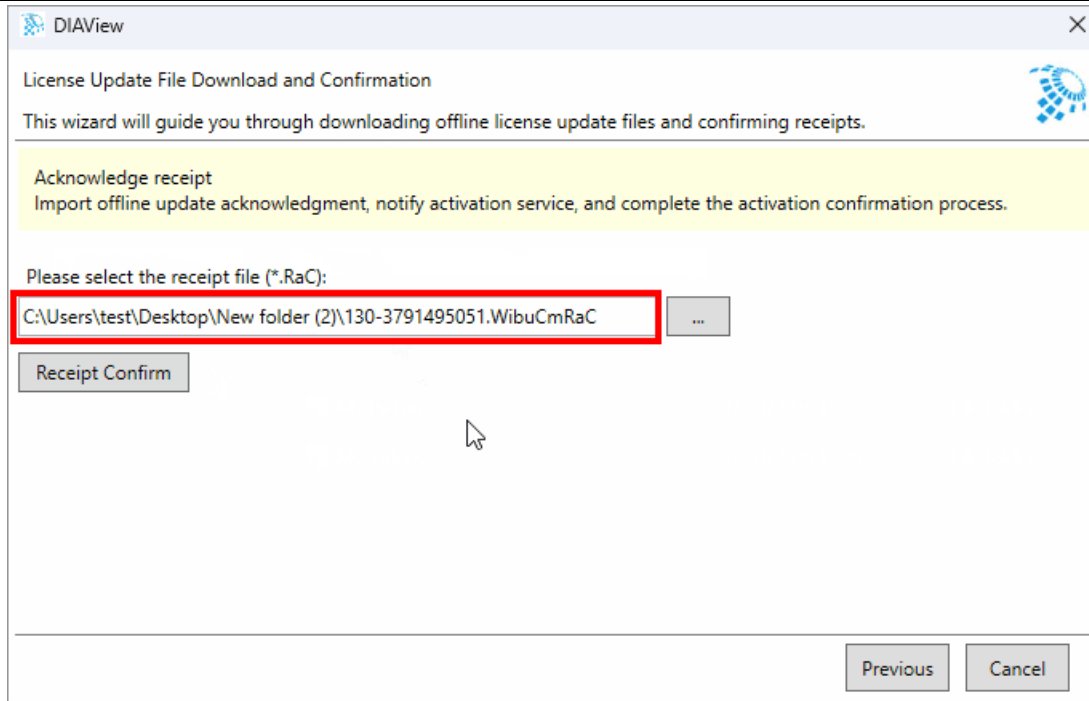
Confirm the receipt via an internet-connected computer.

Return to the internet-connected computer, which remains on the Receipt Confirm interface described in Step 6 of Section **18.3.2 Create License Update Request File**. Keep this interface open.

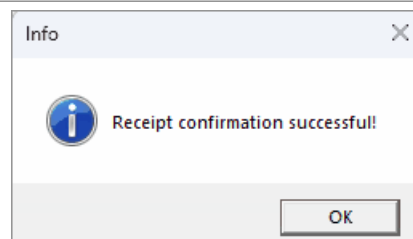
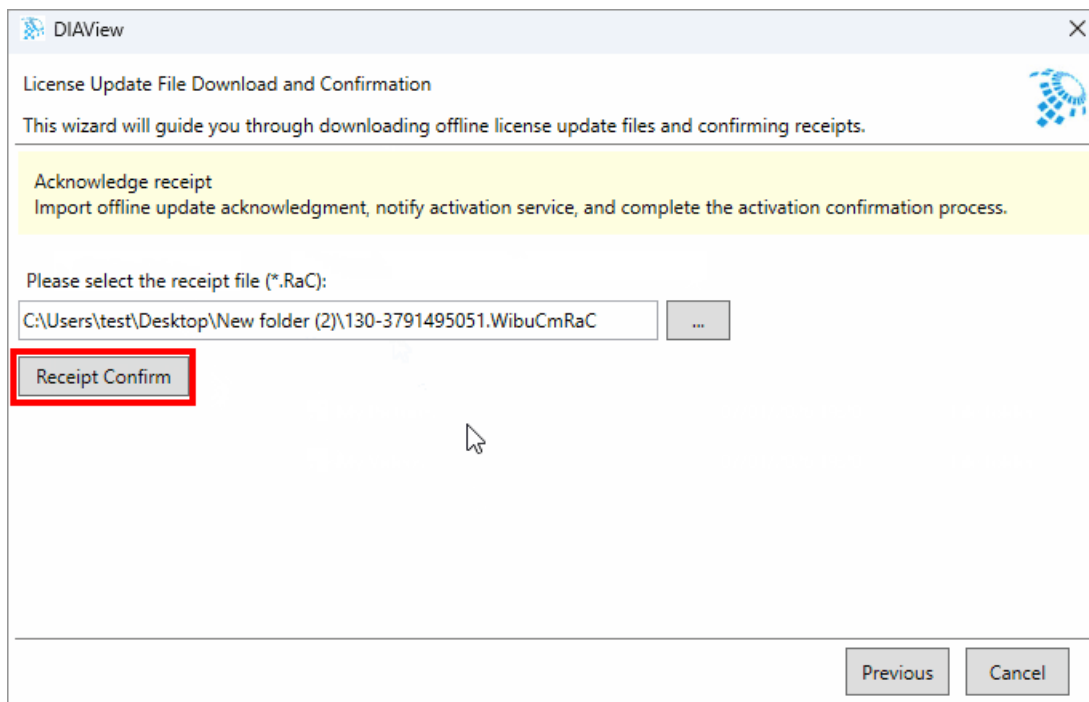
Copy the receipt generated in Section **18.3.4 Create Receipt** to the internet-connected computer in advance.

**Step 1:** Select the copied receipt file in the Receipt Confirm window, as illustrated below.

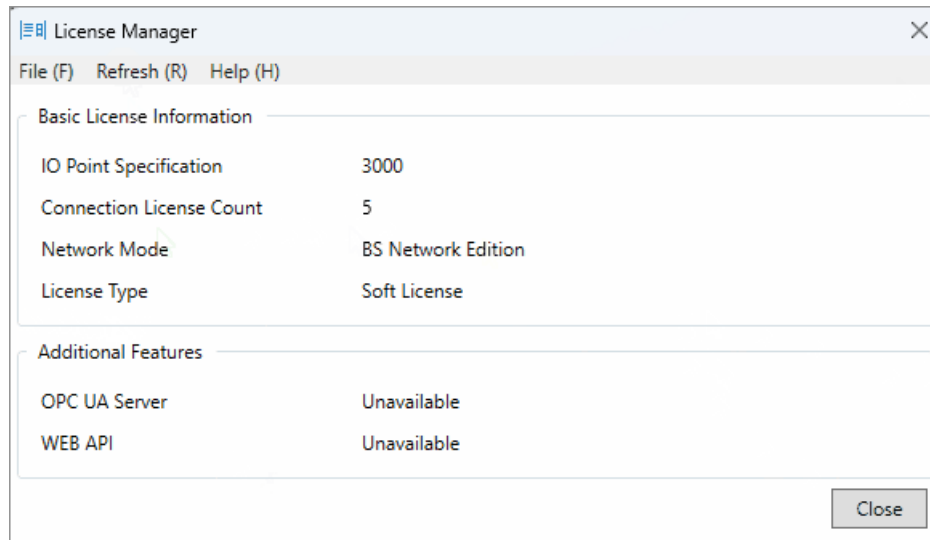




**Step 4:** Click Receipt Confirm, as illustrated below.



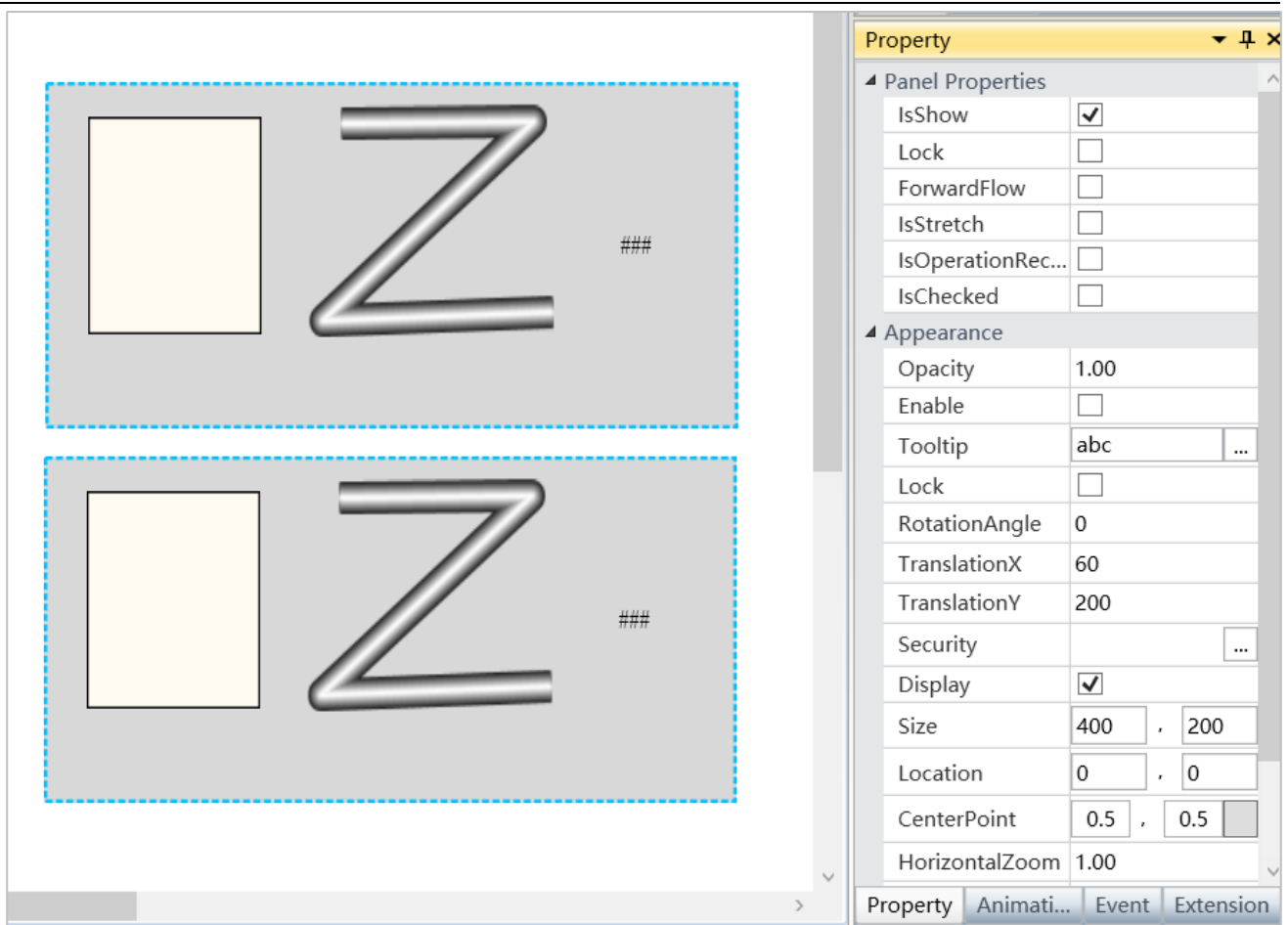
**Step 5:** Open License Manager on the upgraded computer for verification. The Connection License Count is updated to 5, and the Network Mode is updated to BS Network Edition, as illustrated below.



## 19. Optimized functions

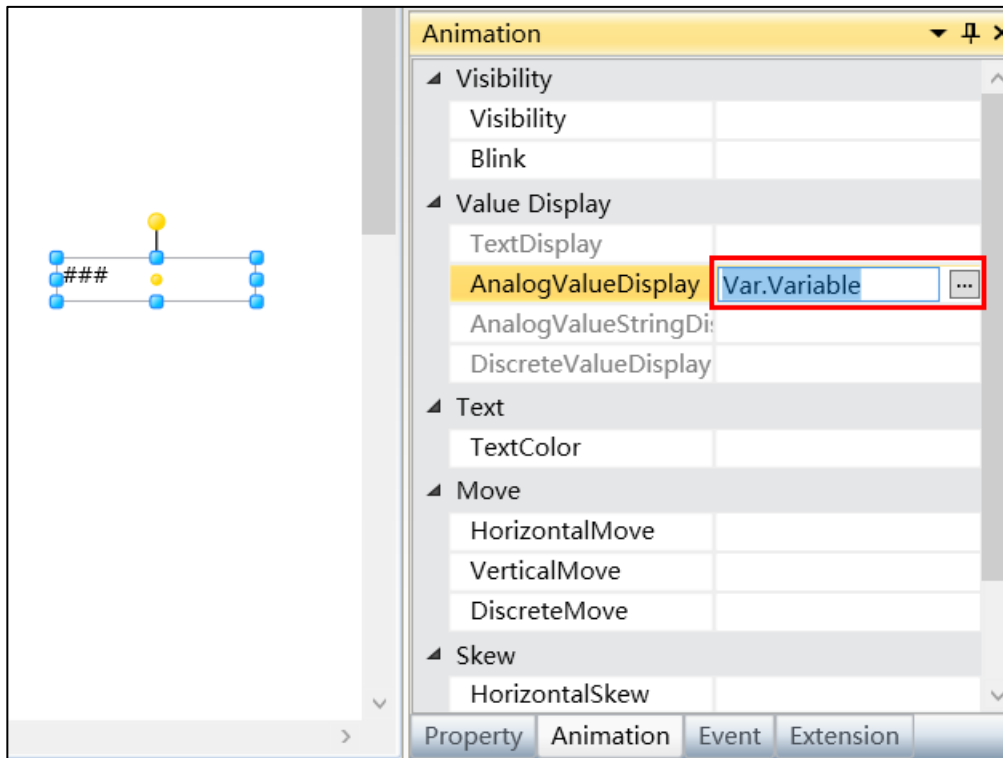
### 19.1 Batch attribute modification is supported for identical instantiated panels

Multiple identical instantiated panels exist in the window, and batch editing of their attributes is supported, including panel properties and appearance properties.



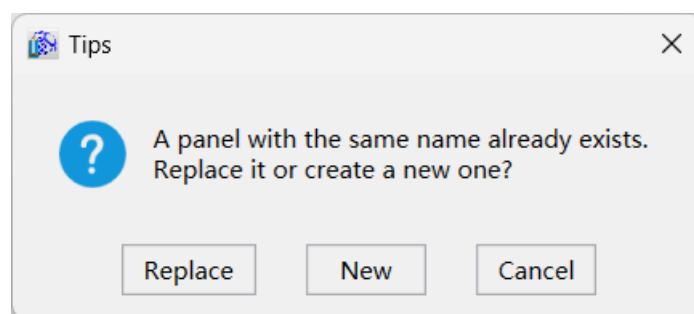
## 19.2 Quick variable binding for window controls

Variables bound to controls support double-click editing. There is no need to select variables via the expression window on the right, enabling more convenient operation.



### 19.3 Importing panels with duplicate names supports replacement or creation of new panels

When importing a panel with the same name as an existing panel in the project, a prompt window will pop up for you to choose replacement or creation, as shown below:

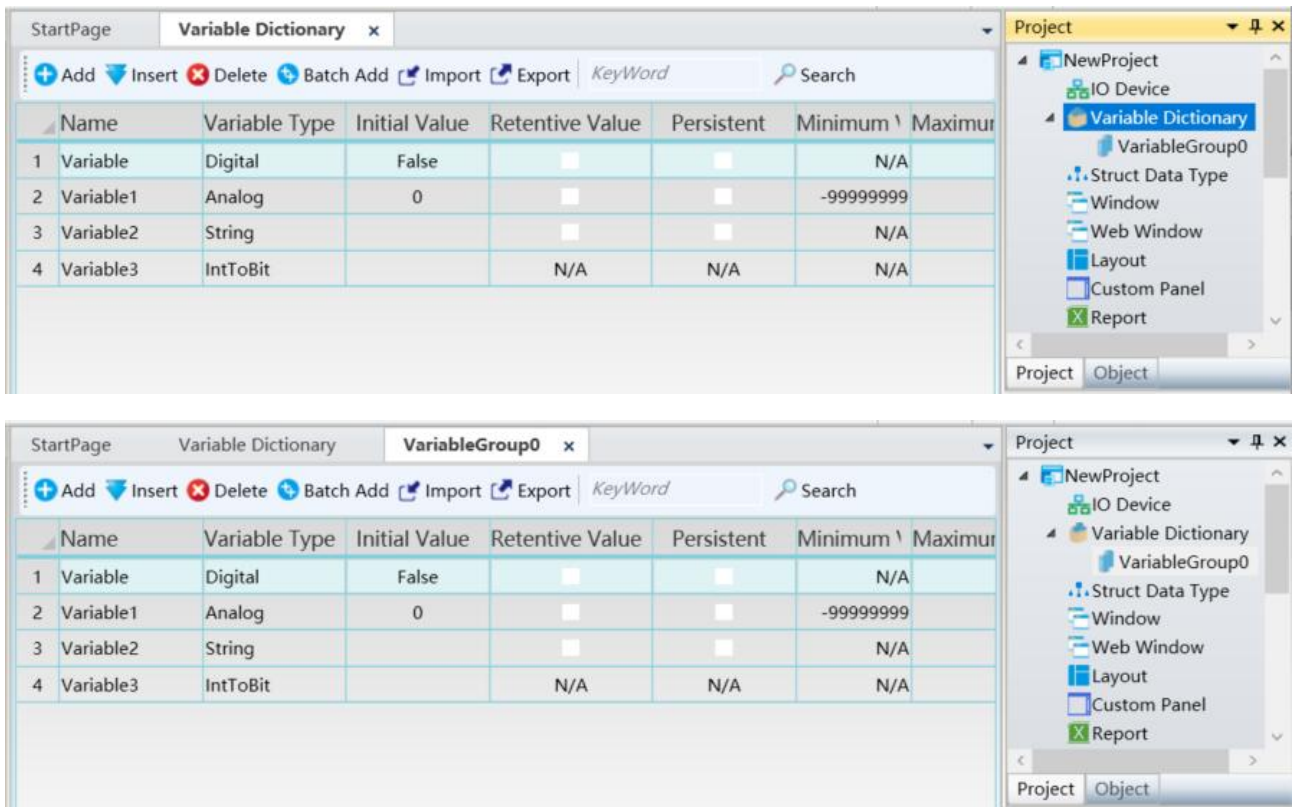


If replacement is selected, the imported panel will overwrite the panel with the same name in the project. If creation is selected, a new imported panel will be generated in the project.

## 19.4 Importing variable groups with duplicate names supports replacement or creation

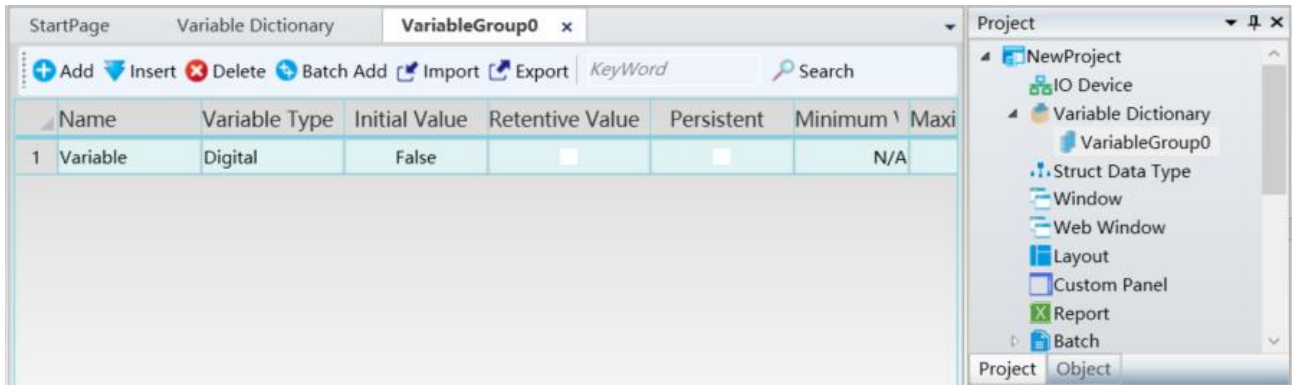
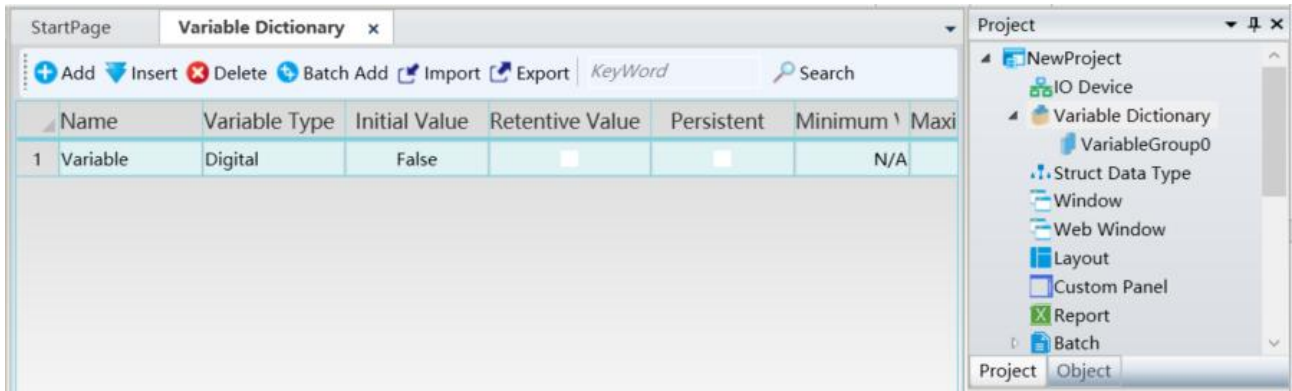
When importing a variable group sharing the same name as an existing one in the project, users may choose to replace or create a new one.

There are variables under the Variable Dictionary node of the project, and VariableGroup0 also exists, as shown in the figure below:

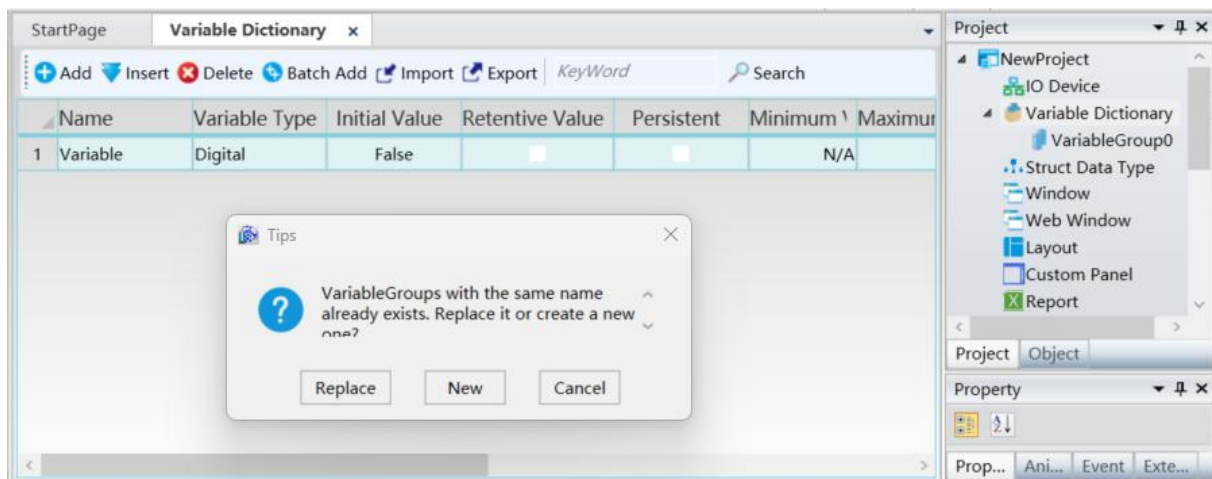


In the project window tree directory, right-click the Variable Dictionary node, select Export Variable Group from the context menu, and name the exported Excel file VarGroup.

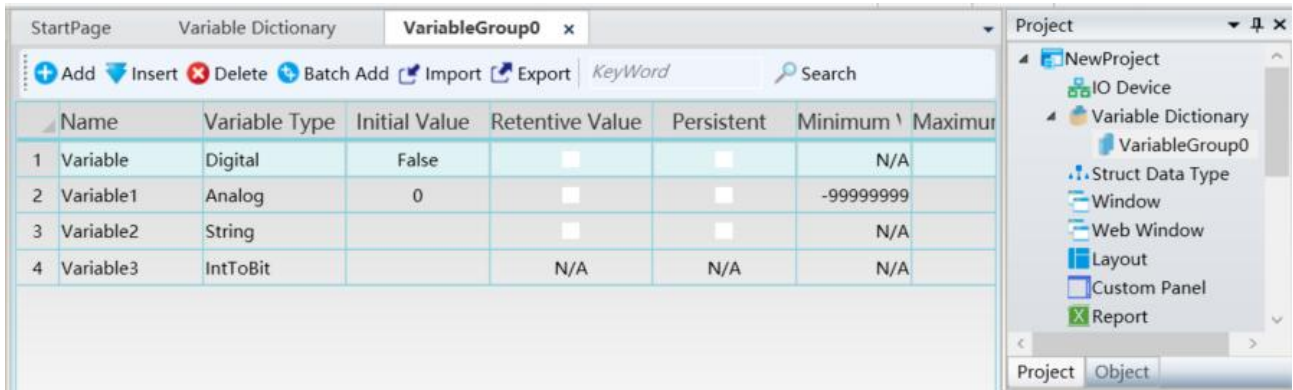
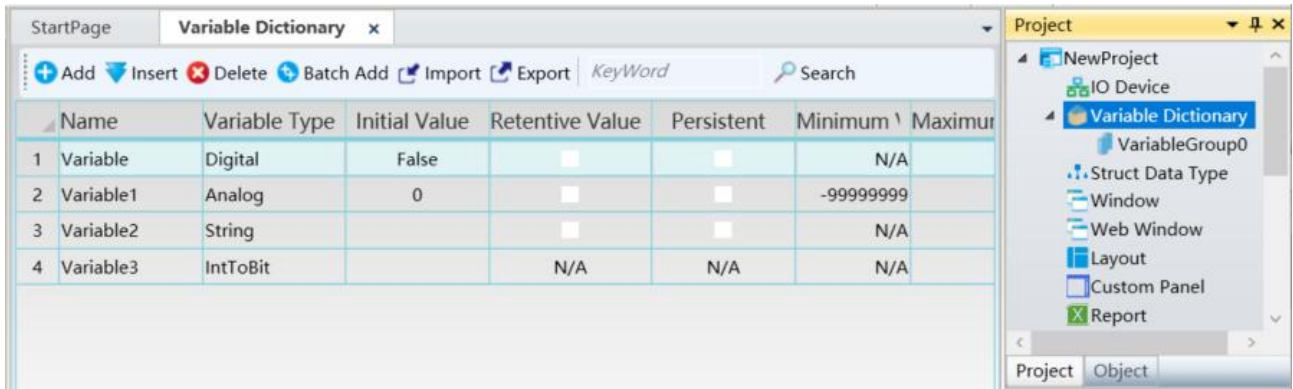
Delete some of the variables under both the Variable Dictionary node and the VariableGroup0 node respectively. The state after deletion is shown in the figure below:



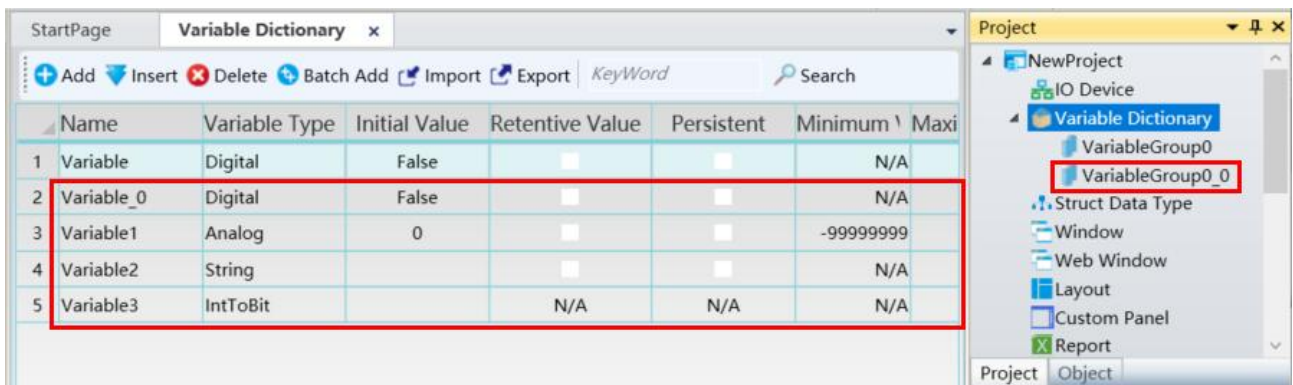
In the project window tree directory, right-click the Variable Dictionary node, select Import Variable Group from the right-click menu, choose the VarGroup file, and start importing. A pop-up prompt will appear "VariableGroups with the same name already exists. Replace it or create a new one?", as shown in the figure below:



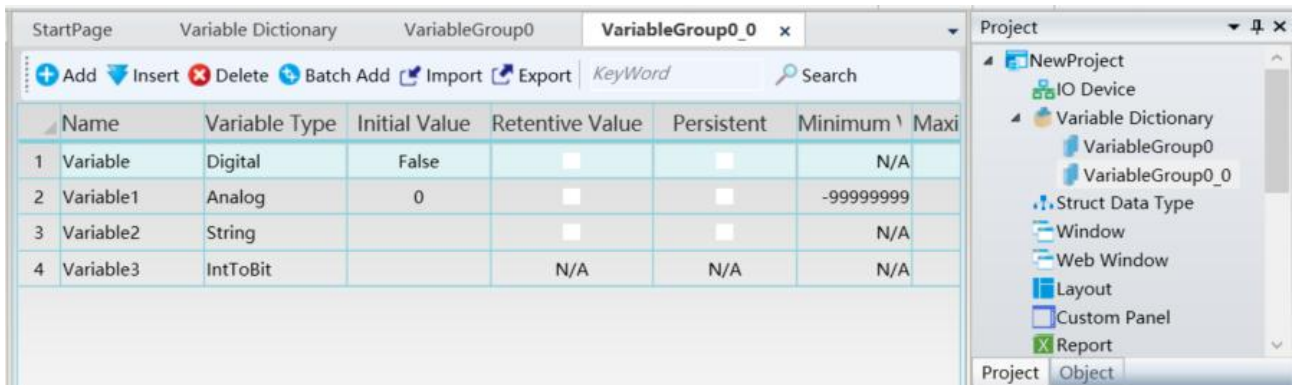
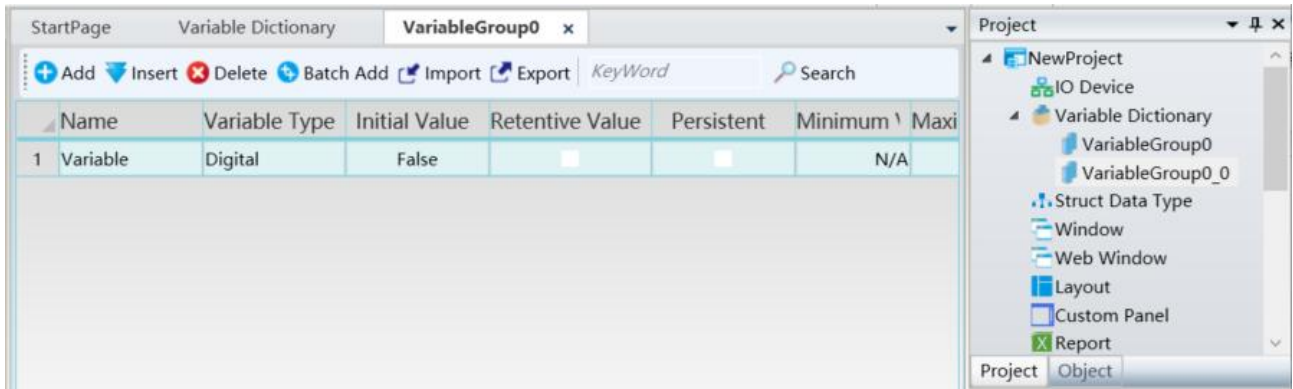
If Replace is selected, the content of the corresponding variable group in the Variable Dictionary will be overwritten with the content from VarGroup, as shown in the figure below:



If New is selected, variables from VarGroup will be created under the Variable Dictionary node. The content under VariableGroup0 will remain unchanged, and a new VariableGroup 0\_0 will be added, as shown in the figure below:





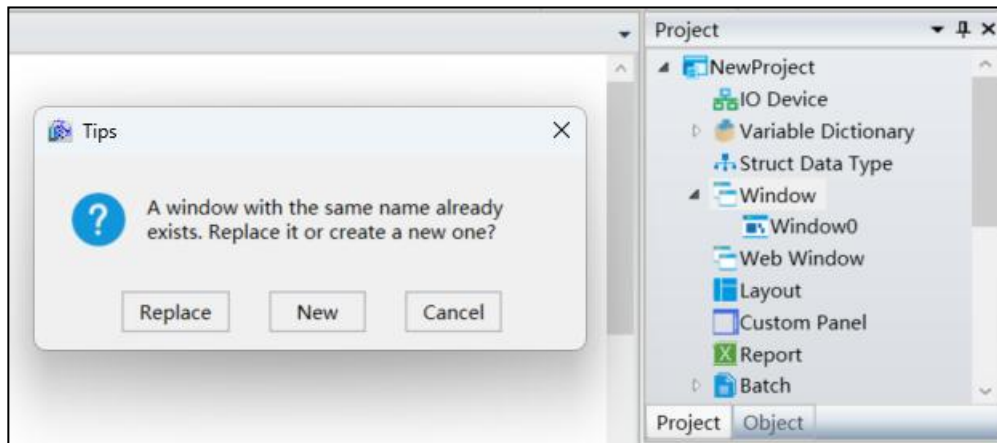


## 19.5 Importing windows with duplicate names supports replacement or creation

When importing a window with the same name as an existing window in the project, users can choose to replace it or create a new one.

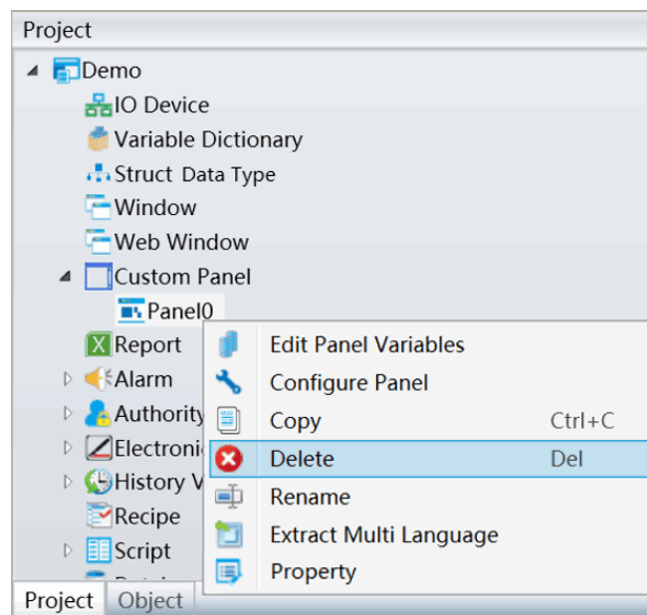
Import window to window node, select window node, right-click, and click Import Window in the right-click menu. If the imported window has the same name as an existing window in the project, a pop-up will prompt: "A window with the same name already exists. Replace it or create a new one?" If Replace is selected, the imported window will overwrite the existing one in the project. If New is selected, a new window will be added, as shown in the figure below:



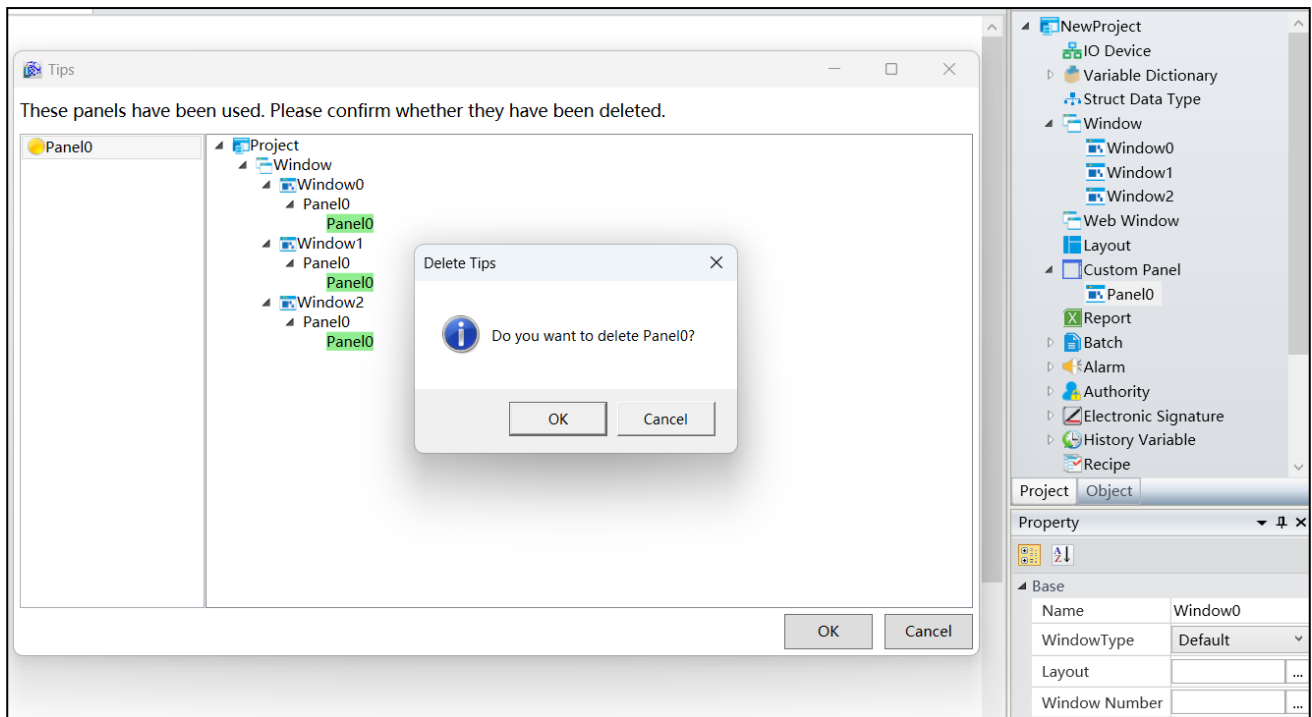


## 19.6 Cross-reference prompt will be displayed when deleting panels

In the tree directory of the engineering Custom Panel, select the panel node to be deleted, right-click, and click the Delete item in the right-click menu, as shown in the following figure:



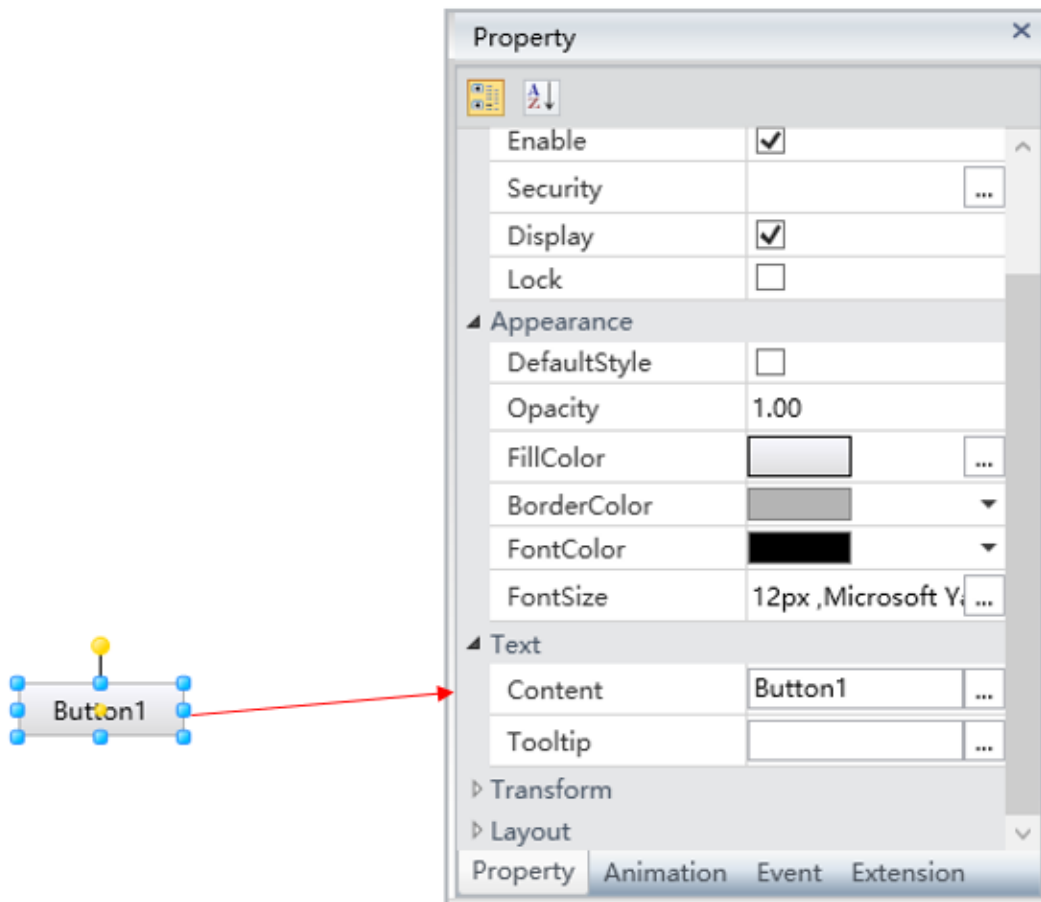
If a deleted panel is already in use, a prompt will pop up showing where the panel is referenced, as shown in the figure below:



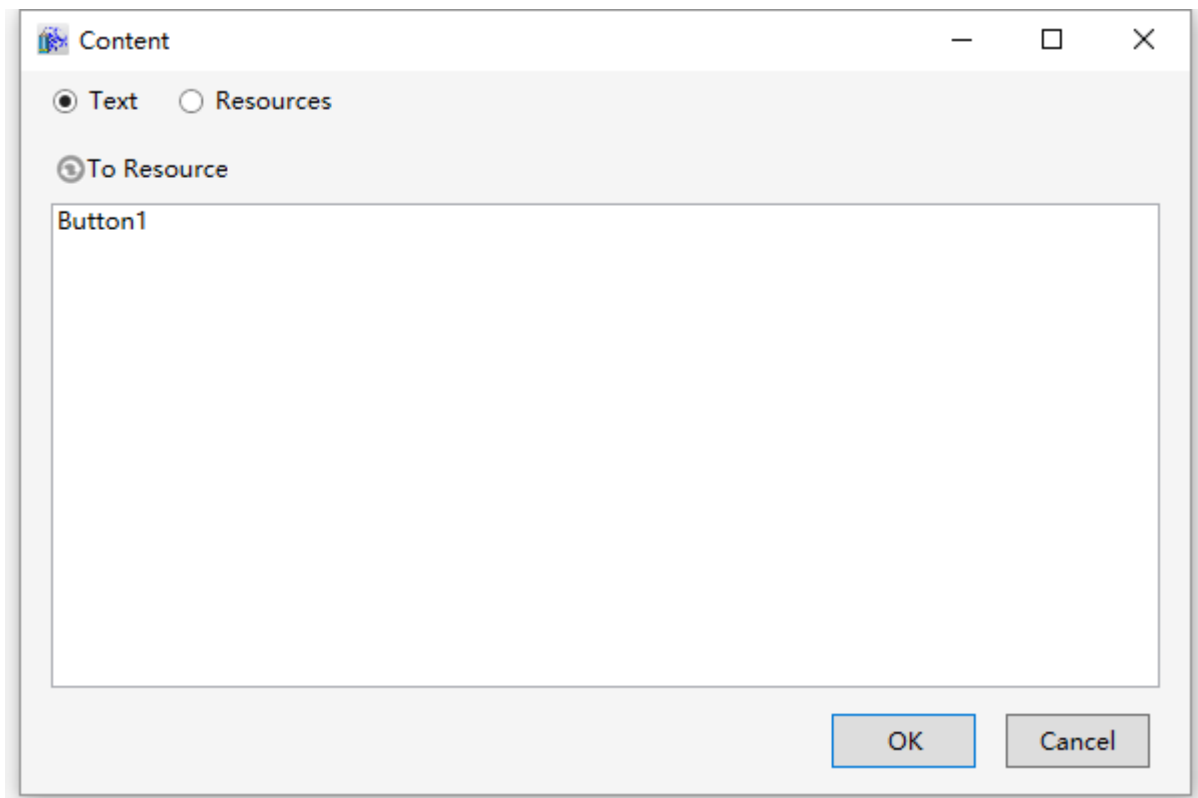
## 19.7 Optimized configuration steps for converting text attributes to resources

At development time, text properties can be converted to string resources, as follows

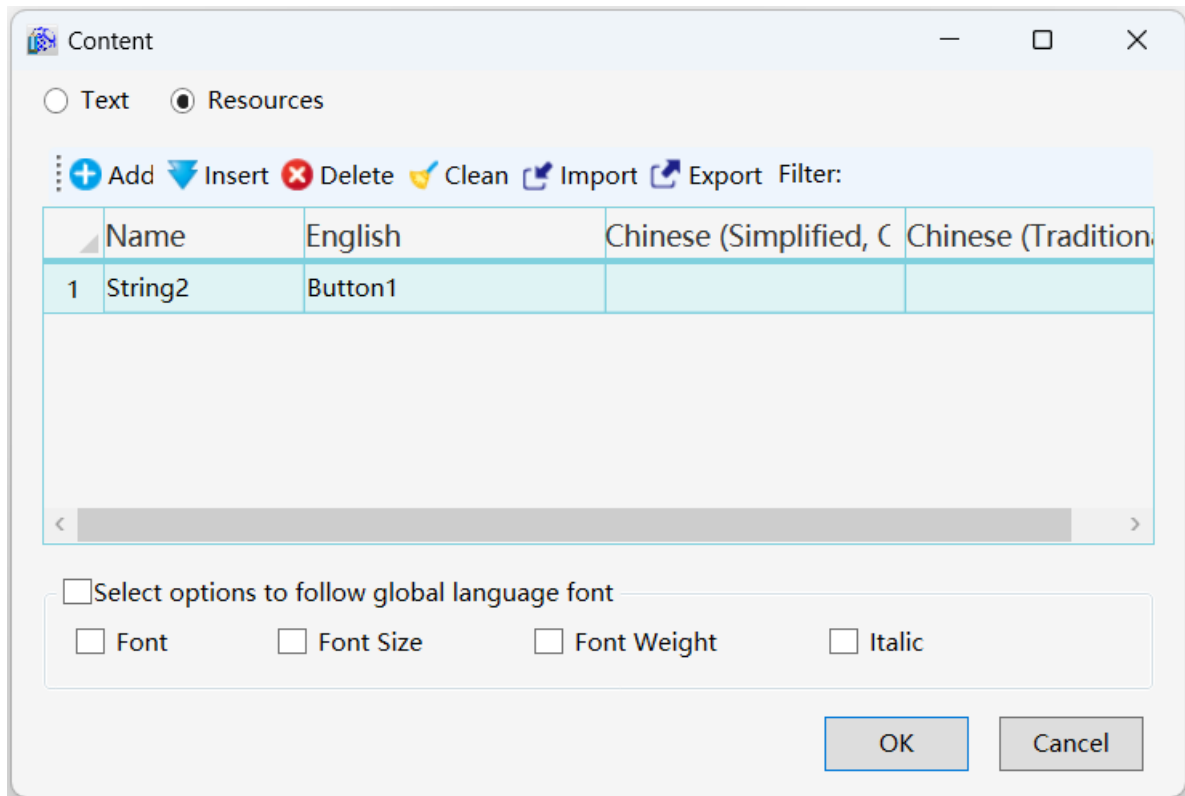
Step 1: Add a new button control in window, click button in the content property, as shown in the figure below:



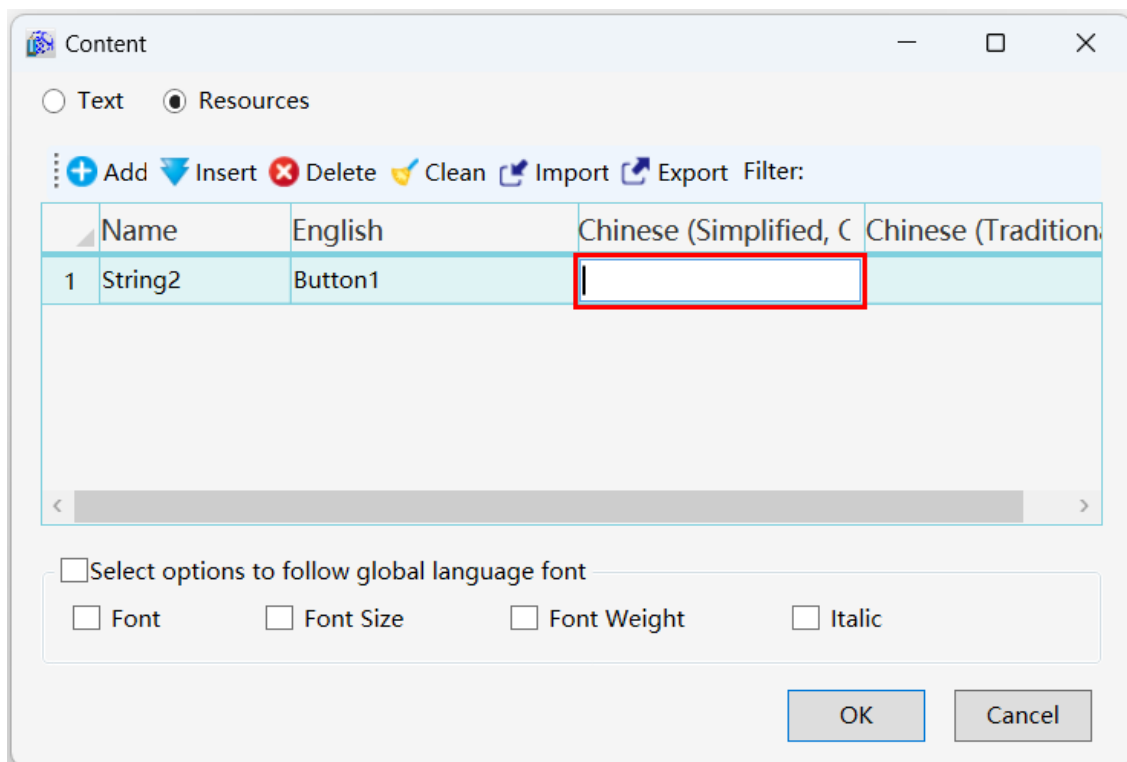
Step 2: Open content editor, as shown in the figure below:

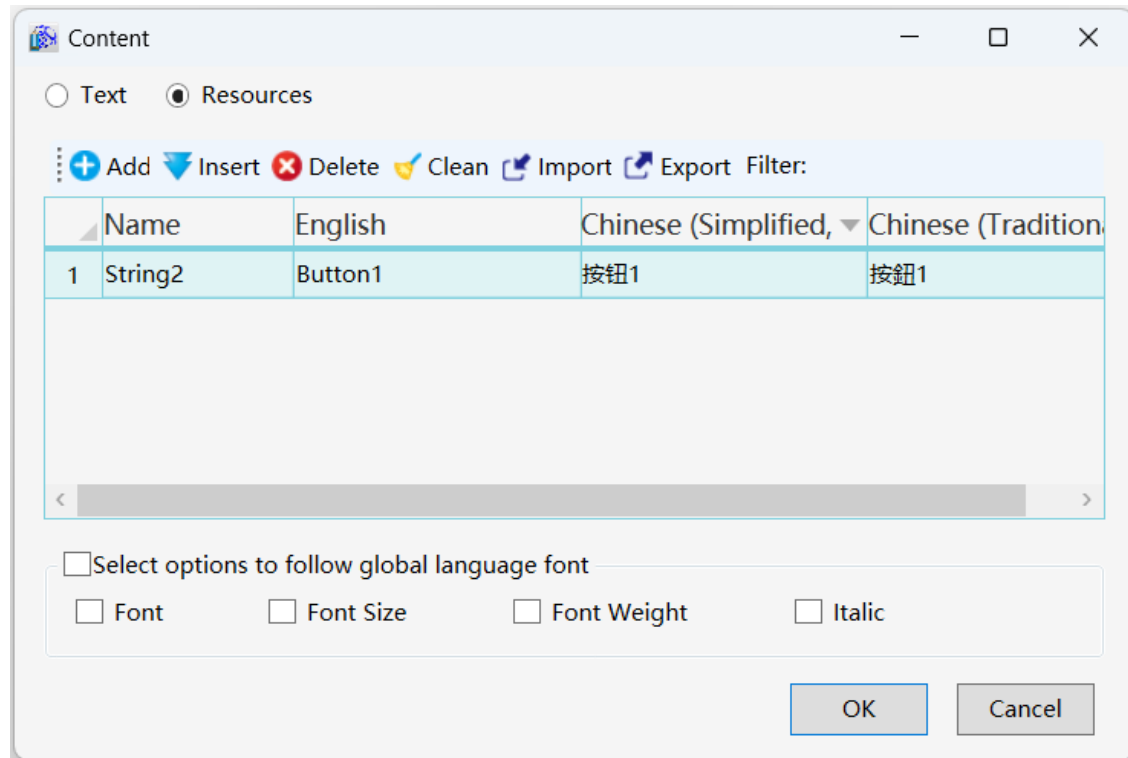


Step 3: Click To Resource , select current content to generate resource, as shown in the figure below:



Step 4: The user can directly double-click the corresponding cell to edit the relevant multilingual text, as shown in the figure below:





Step 5: After editing, click OK to complete the configuration.

## 19.8 Optimize communication issues of Siemens S7-1200 PLC

Data blocks DB0, DB4, DB8, DB12 and DB16 exist in Siemens S7-1200 PLC. The DIAView S7-1200 driver was configured with addresses of DB26, DB22, DB4 and DB8 data blocks. Among them, DB26 and DB22 do not exist in the PLC. Under this scenario, DIAView occasionally fails to read data from all configured addresses. The above issue has been fixed.