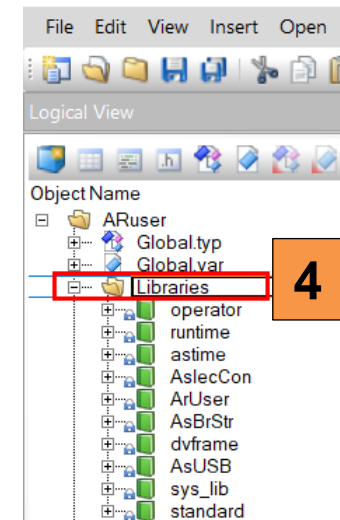
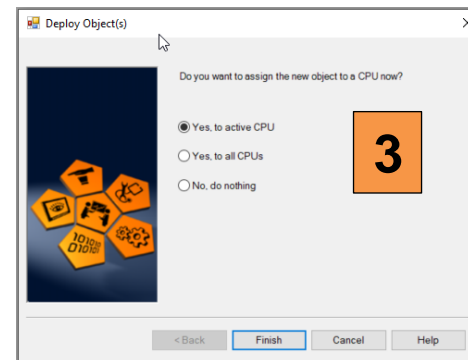
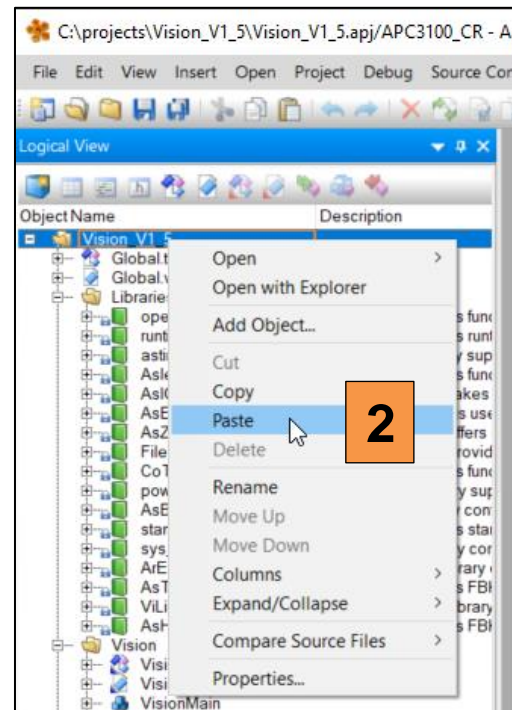
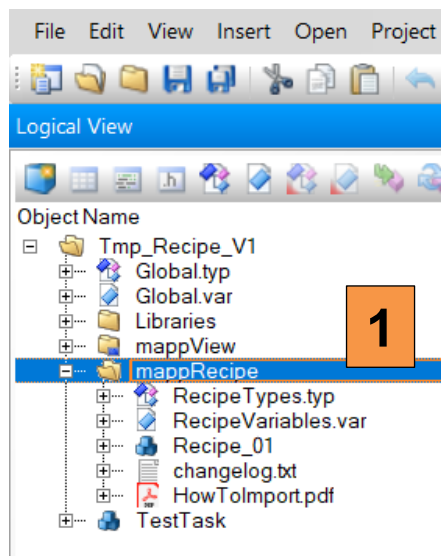


This guide shows how to import the demo project into an existing project. The screenshots can look slightly different depending on the version used.

Open the demo project and the exiting project side by side. Go to the logical view in both projects.

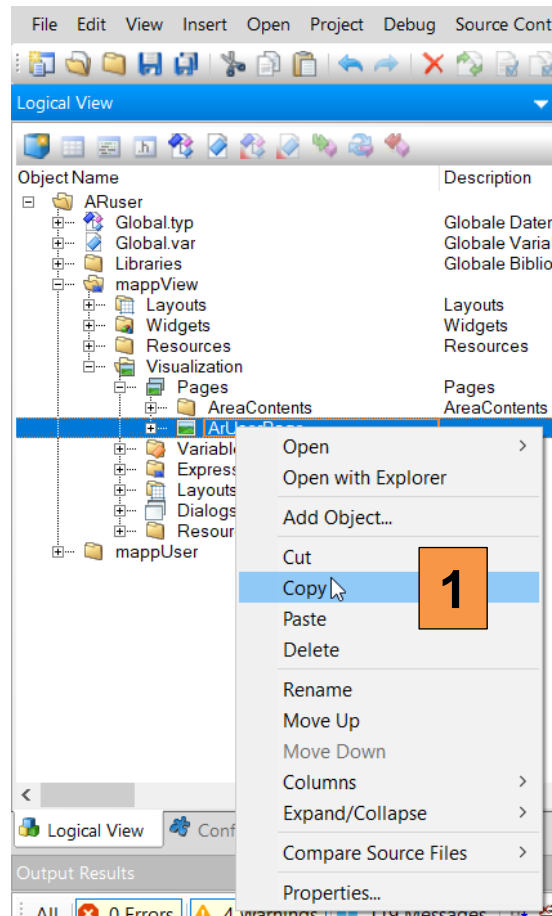
1. Copy the package “mappRecipe” from the demo project
2. Paste the task into the existing project at the top
3. Assign the new task to the CPU
4. Make sure that the B&R libraries **AsHttp**, **AsMem**, **FileIO**, **ArBrStr**, **ArBrWStr**, **AsIODiag**, **MpCom**, **MpBase** and **sys_lib** are in the existing project, add the libraries if necessary.



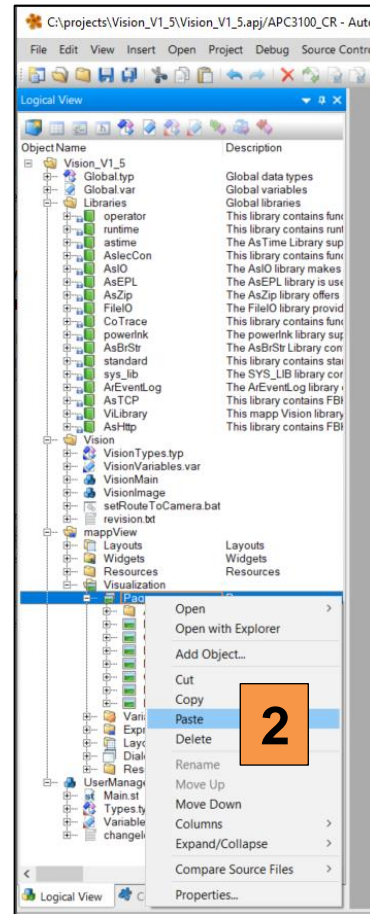
ArDemo Project

Existing Project

1. Open the mappView tree in the demo project and navigate to **RecipePage**, right click and copy it
2. In the existing project paste the page onto pages
3. Assign the new task to the CPU



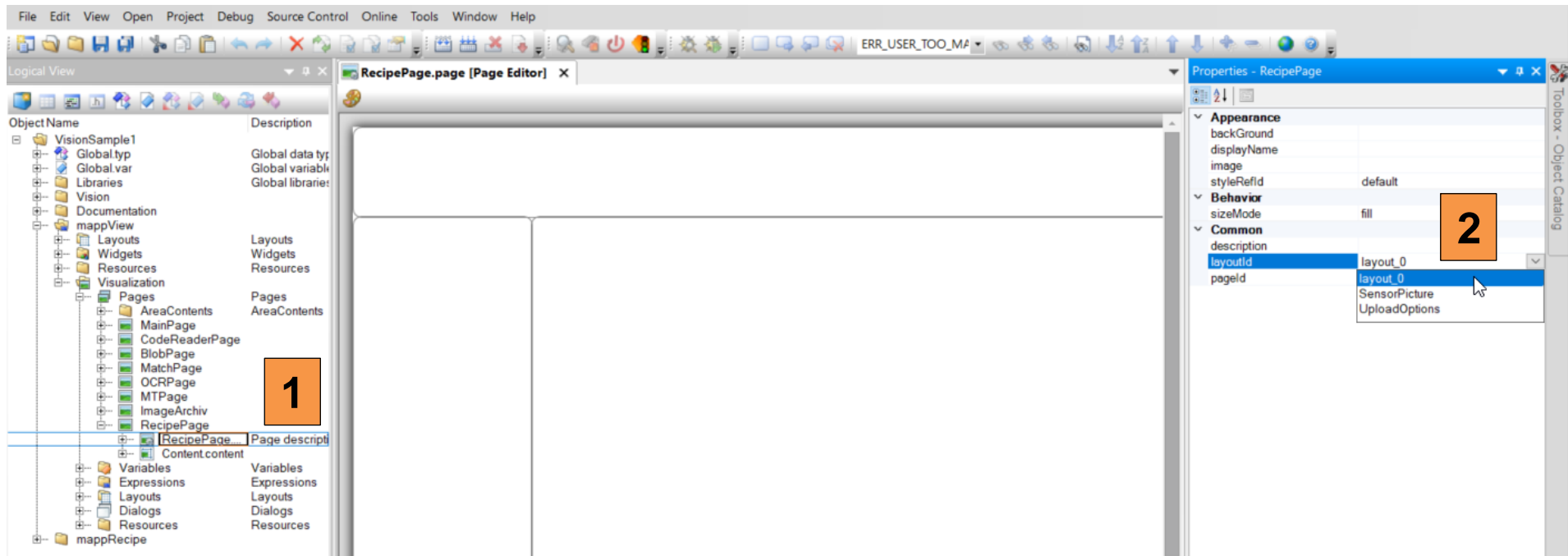
ArDemo Project



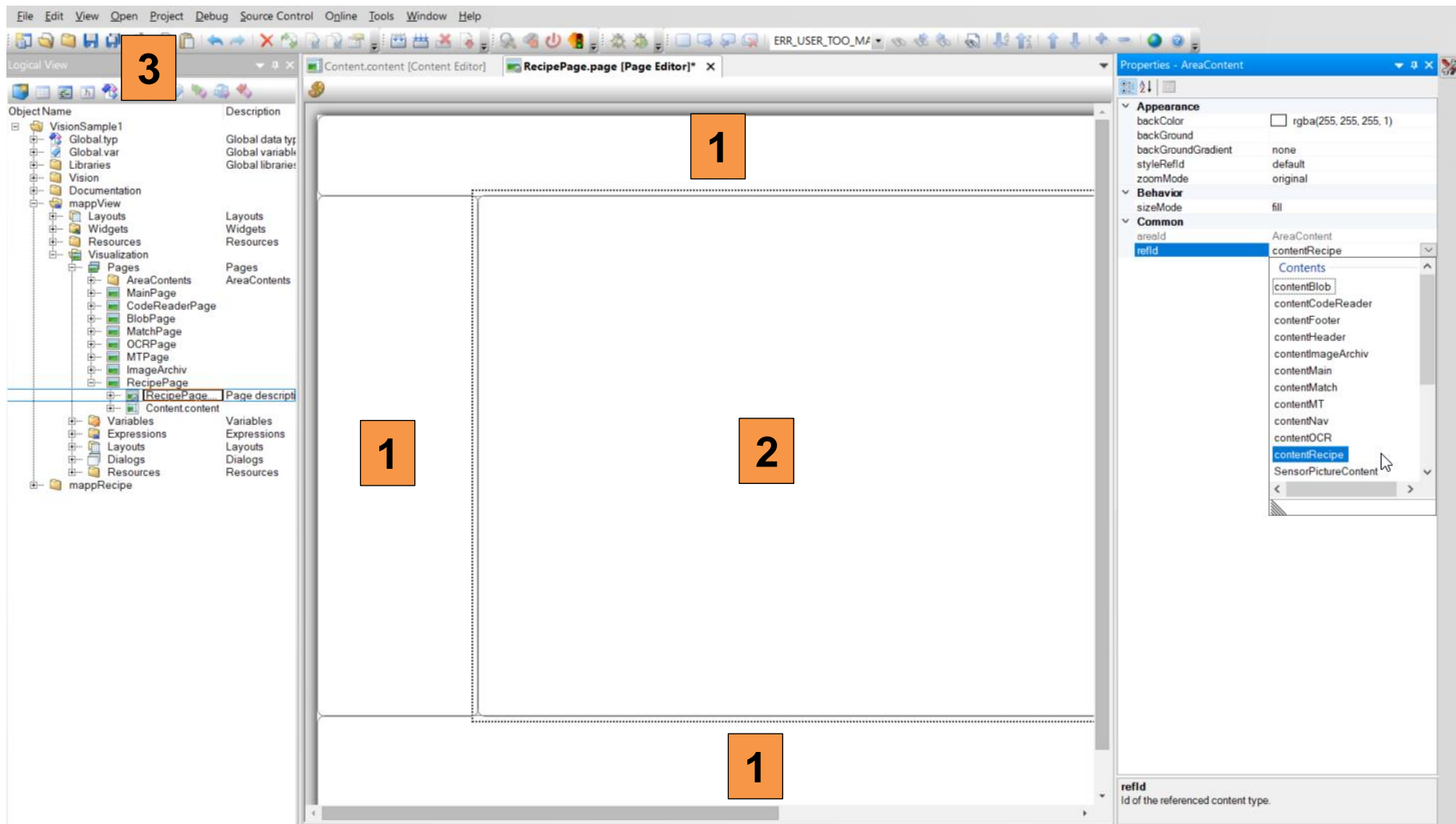
Existing Project



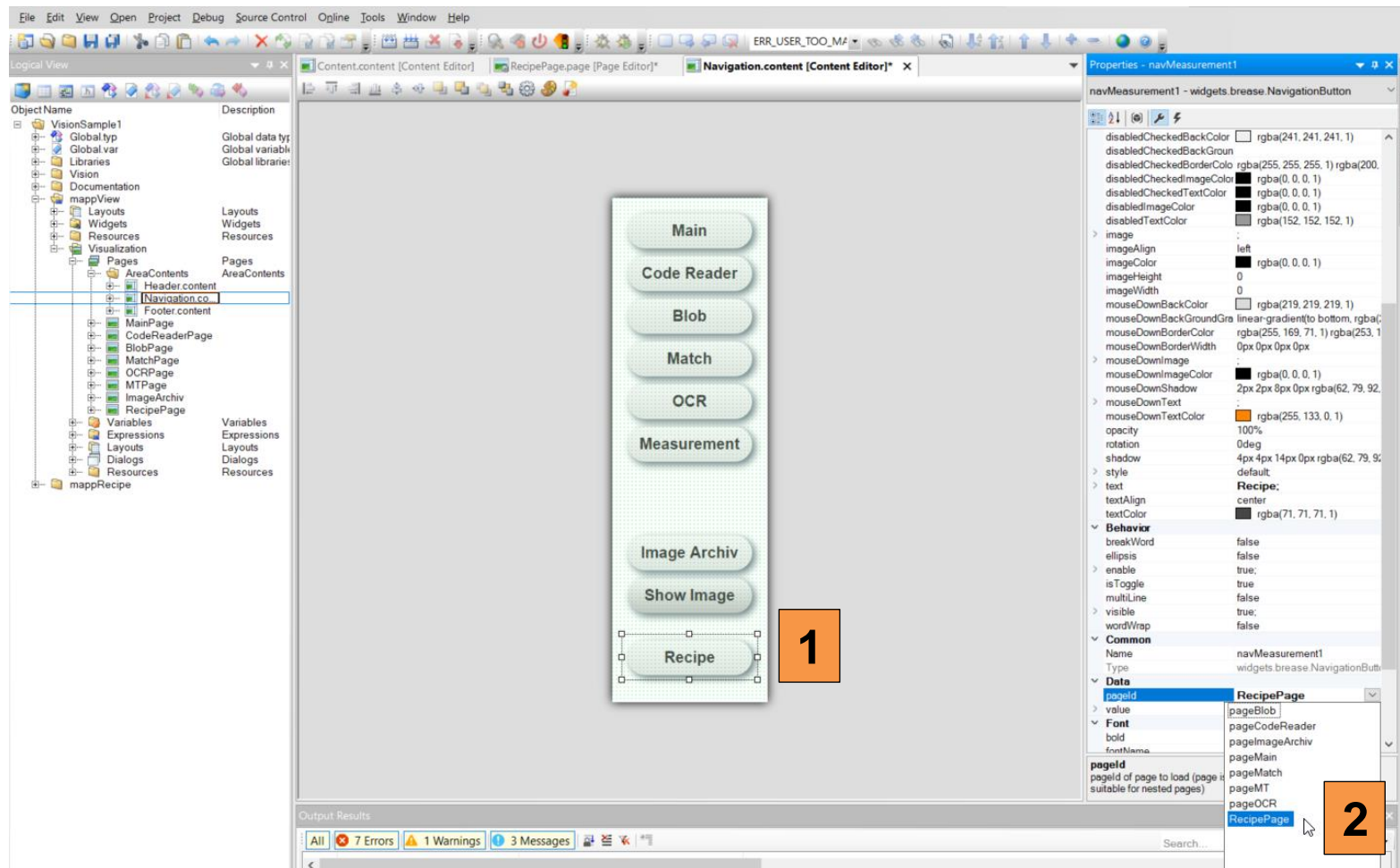
1. Expand the new page and double click on **RecipePage.page**
2. Select the default layout for the existing project from the properties window



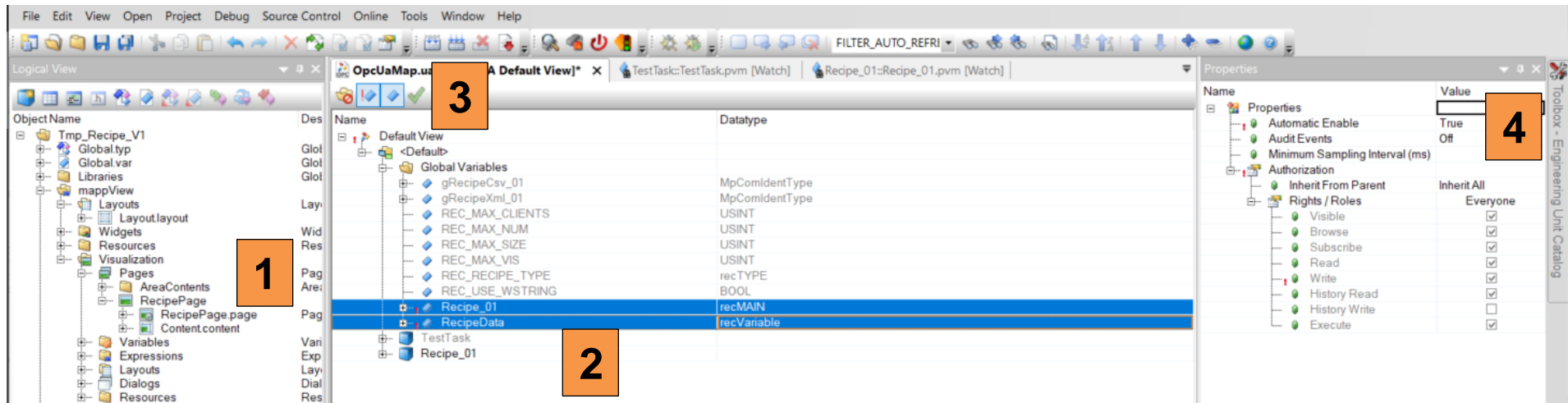
1. Once the default layout is set in the existing project, click on each section and make sure that the correct content is selected
2. Select **contentRecipe** for the main section
3. Save the project



1. If the existing project uses a navigation bar, add a new button that points to the new recipe page
2. Assign the recipe page to the new navigation button



1. Switch to the configuration view in the existing project and open the OPC UA configuration
2. Select the global variable “Recipe_01” and “RecipeData”,
If the variables does not show up, save and compile the project, then reopen the window
3. Enable the variables with the green checkmark
4. Set “Automatic Enable” to true in the properties window



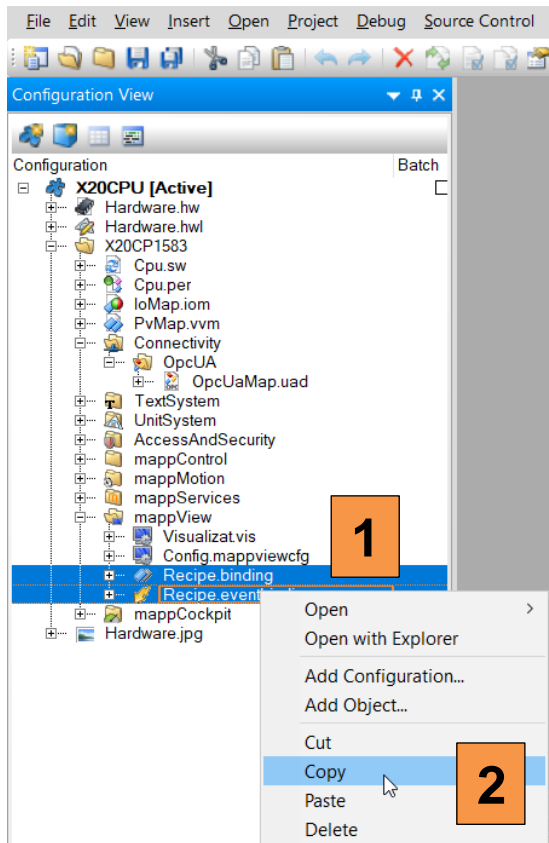
1. Select the variable **Recipe_01.VIS**
2. Set "Show array elements" to true

The screenshot shows the Siemens SIMATIC Manager interface. The main window displays a tree view of the project structure. The variable 'VIS' is selected under 'Recipe_01'. The 'Properties - VIS' window on the right shows the 'Show array elements' property set to 'True'. An orange box with the number '1' highlights the 'VIS' variable in the tree, and another orange box with the number '2' highlights the 'Show array elements' property in the properties window.

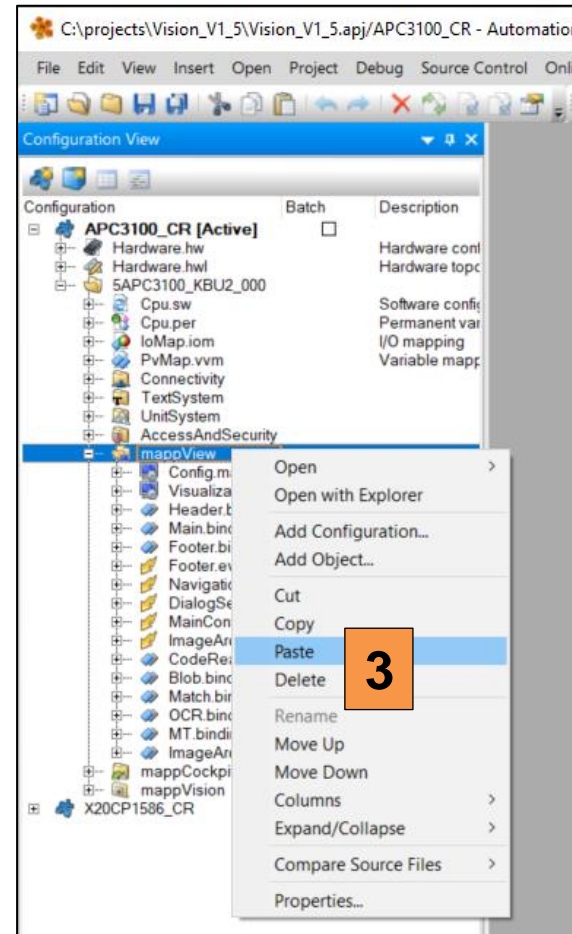
Name	Datatype
Default View	
<Default>	
Global Variables	
Blob	typBlobMain
Blob_comp	VisionIdentType
CodeReader	typCodeReaderMain
CR_comp	VisionIdentType
Match	typMatchMain
Match_comp	VisionIdentType
MAX_NUM_RESULTS	UINT
MAX_REC_CLIENTS	USINT
MAX_REC_NUM	USINT
MAX_REC_SIZE	USINT
MAX_REC_VIS	USINT
MT	typMTMain
MT_comp	VisionIdentType
OCR_comp	typOCRMain
Recipe_01	VisionIdentType
CMD	recMAIN
PAR	recCMD
DAT	recPAR
VIS	recDAT
recVIS[0..MAX_REC_CLIENTS]	recVIS[0..MAX_REC_CLIENTS]
ERR	recERR
SampleVariable	recVariable
VisionImage	typVisionImage
VisionSensor	typVisionMain
Recipe_01	
VisionMain	
VisionImag	

Name	Value
VIS	
Show array elements	True
Audit Events	Off
Minimum Sampling Interval (ms)	
Authorization	
Inherit From Parent	Inherit All
Rights / Roles	Administrators
Visible	<input checked="" type="checkbox"/>
Browse	<input checked="" type="checkbox"/>
Subscribe	<input checked="" type="checkbox"/>
Read	<input checked="" type="checkbox"/>
Write	<input checked="" type="checkbox"/>
History Read	<input checked="" type="checkbox"/>
History Write	<input checked="" type="checkbox"/>
Execute	<input checked="" type="checkbox"/>

1. Expand the section mappView in the existing project and select all files ending with “binding” and “eventbinding”
2. Right click and copy the files
3. Paste the files in the existing project under mappView

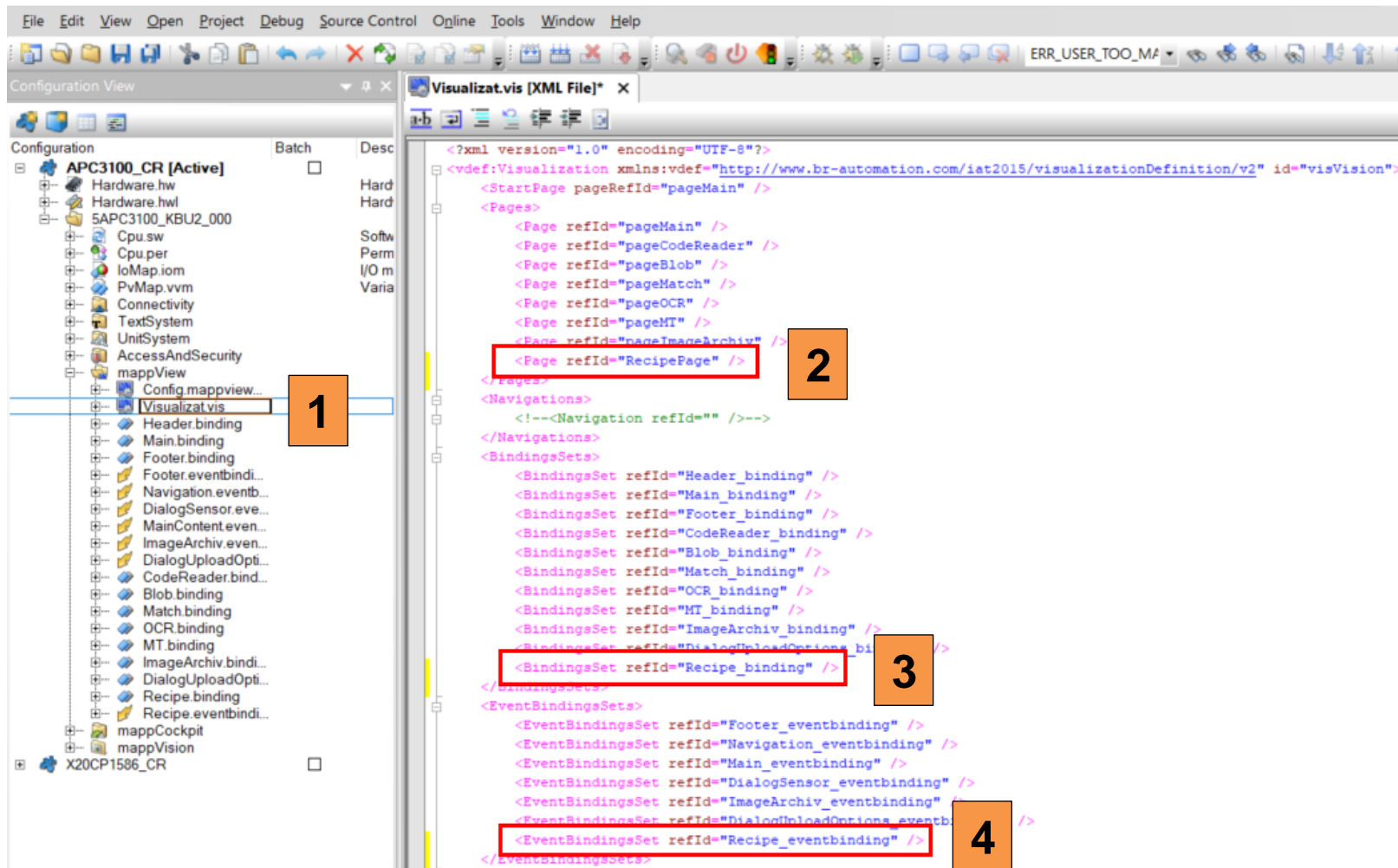


ArDemo Project

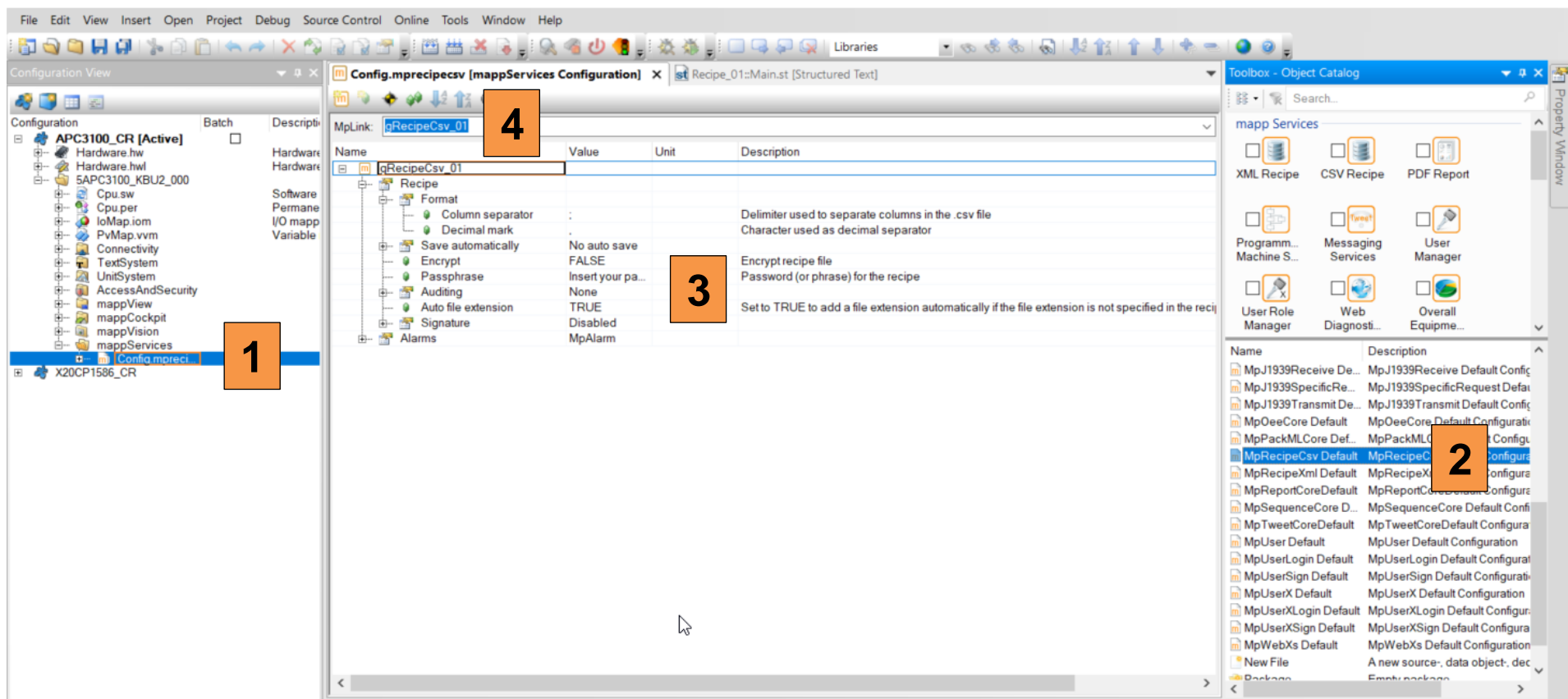


Existing Project

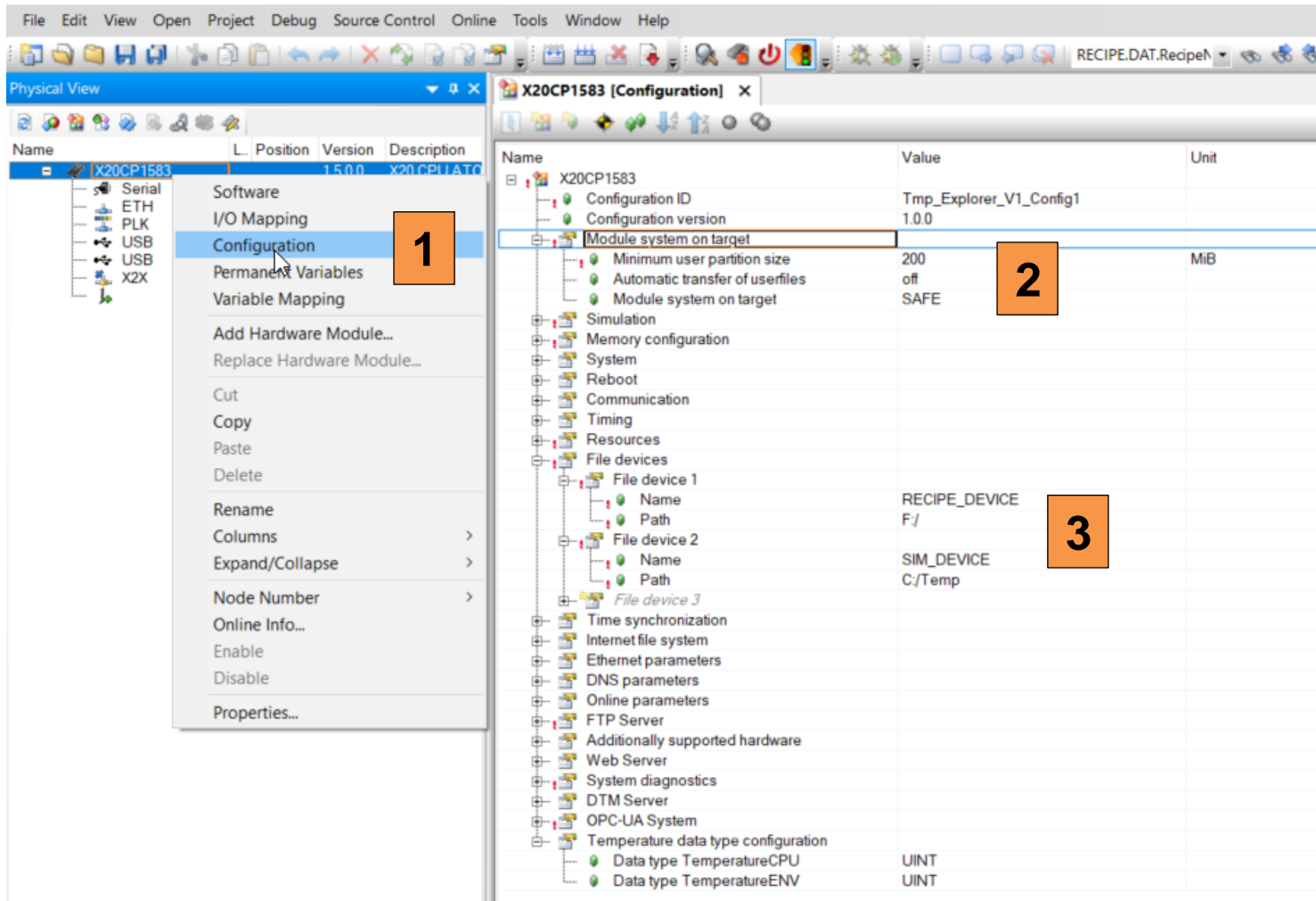
1. In the existing project open the file “Visualizat.vis”
2. Add the RecipePage in the “Pages” section
3. Add the Recipe_binding in the “BindingsSets” section
4. Add the Recipe_eventbinding in the “EventBindingsSets” section



1. Select the mappServices folder in the configuration view, if it does not exist, add the folder from the toolbox
2. Select "MpRecipeCsv Default" from the toolbox
3. Open the configuration and adjust the settings if needed
4. Rename the MpLink to "gRecipeCsv_01" for CSV



1. Switch to the physical view and open the CPU configuration
2. Make sure “Minimum user partition size” is larger than 0.
3. Define a file device “RECIPE_DEVICE” and point it to the user partition “F:/”
Define a file device “SIM_DEVICE” and point it to the user partition “C:/Temp” or “C:/” for simulation mode.



Optional

1. To change the recipe data from the sample values to the “real” data open the RecVariables.var file in the mappRecipe package
2. Edit the default values for the variable array REC_VAR_LIST.
3. Replace the sample variables with the “real” data. For local variables add the task name followed by “.”

The screenshot shows the Siemens STEP 7 LAD editor interface. The main window displays the 'mappRecipe:RecVariables.var' file in the 'Variable Declaration' view. The 'Object Name' pane on the left shows the project structure with 'mappRecipe' selected. The main table lists variables with their types and values. A dialog box 'Initialize REC_VAR_LIST' is open, showing the REC_VAR_LIST array with sample values. The 'Output Results' pane at the bottom shows messages and warnings.

Name	Type	Constant	Retain	Replicable	Value	Description [1]
Configuration for recipe management						
REC_USE_UNICODE	BOOL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TRUE	Use standard strings for recipe name when false, u
REC_SORT_NUMERIC	BOOL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FALSE	Sort recipe names as numeric values instead of al
REC_RECIPE_TYPE	recTYPE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	typeCSV	Type of recipe (CSV / XML)
REC_MPLINK	STRING(80)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'gRecipeCsv_01'	mappRecipe link name from configuration view. Us
REC_DEVICE	STRING(80)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'Recipe_Device'	Device name for the recipe data defined under File
REC_DIRECTORY	STRING(80)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'Recipe_01'	Directory where the recipes are stored
REC_THIS_TASK	STRING(40)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'Recipe_01'	Name of this task and the global variables structur
REC_REC_NUM	USINT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100	Maximum number of recipes
REC_VAR_NUM	USINT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10	Maximum number of variables that can be register
REC_UPLOAD_DOWNLOAD_SIZE	UDINT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100000	Maximum size of memory allocated for uploading i
REC_NAME_LENGTH	USINT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40	Maximum length for a recipe name
REC_VIS_LENGTH	USINT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	120	Make this REC_NAME_LENGTH x3
REC_MAX_CLIENTS_ID	USINT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	Highest client ID for concurrent web client connect
REC_VIEW_FILTER	STRING(510..9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	'csv','xml','B(*)'	File filter that can be used with the view con
Add you variables to this list						
REC_VAR_LIST	STRING(100)[1..REC_VAR_NUM]	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	askProductID,'YourTaskCustomerID',7(*)	List
Recipe_01	recMAIN	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Global

Name	Type	Value
REC_VAR_LIST	STRING(100)[1..REC	
REC_VAR_LIST[1]	STRING(100)	'YourTask-MaschineData'
REC_VAR_LIST[2]	STRING(100)	'YourTask-ProductID'
REC_VAR_LIST[3]	STRING(100)	'YourTask-CustomerID'
REC_VAR_LIST[4]	STRING(100)	'
REC_VAR_LIST[5]	STRING(100)	'
REC_VAR_LIST[6]	STRING(100)	'
REC_VAR_LIST[7]	STRING(100)	'
REC_VAR_LIST[8]	STRING(100)	'
REC_VAR_LIST[9]	STRING(100)	'
REC_VAR_LIST[10]	STRING(100)	'

#	Category	Date/Time
17	Message	5/15/2020 8:48:42.8010 AM
18	Message	5/15/2020 8:48:42.8036 AM
19	Message	5/15/2020 8:48:42.8045 AM
20	Warning	5/15/2020 8:48:42.8065 AM
21	Message	5/15/2020 8:48:43.2507 AM
22	Message	5/15/2020 8:48:50.2561 AM
23	Warning	5/15/2020 8:48:51.2207 AM
24	Message	5/15/2020 8:48:52.0995 AM