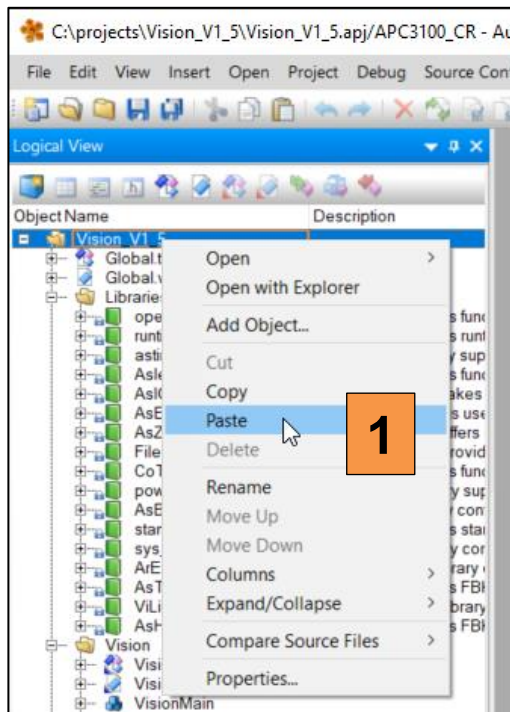


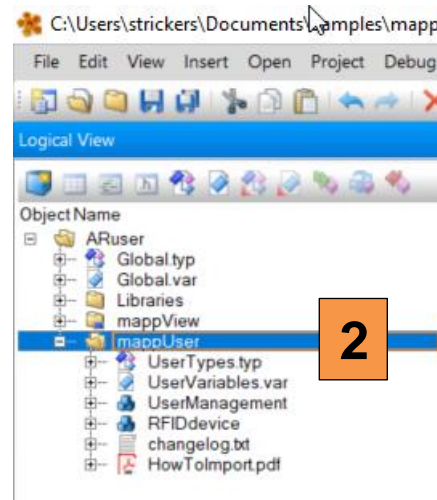
This guide shows how to import the demo project into an existing project. The screenshots can look slightly different depending on the Automation Studio version used.

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

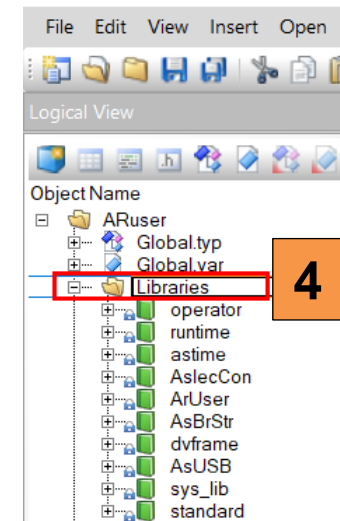
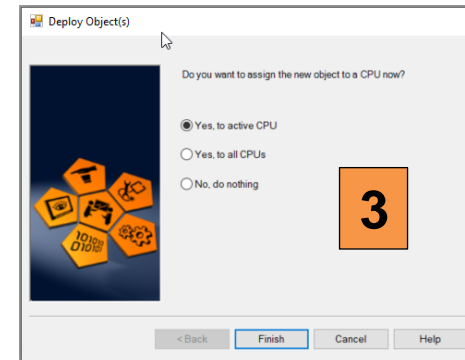
1. Copy the package “mappUser” from the demo project
2. Paste the task into the existing project at the top
3. Assign the new task to the CPU
4. Make sure that the B&R libraries “ArBrStr” and “ArUser” are in the existing project, add the libraries if necessary.
5. If you use the RFID Add-on also add the B&R libraries “dvframe”, “AsUSB”, “sys_lib” and “standard”



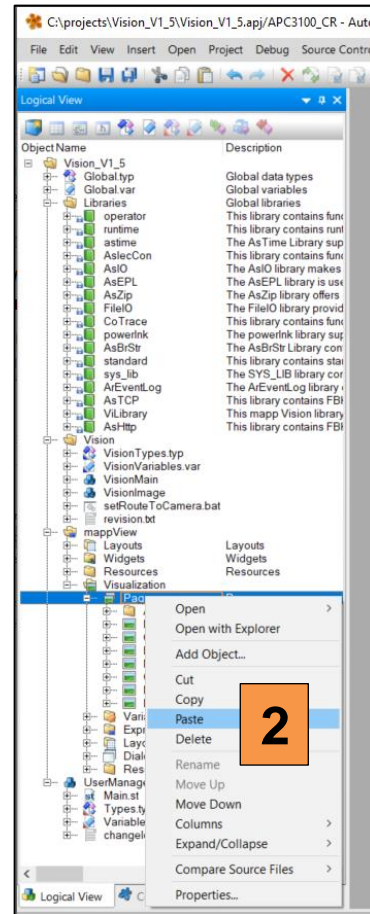
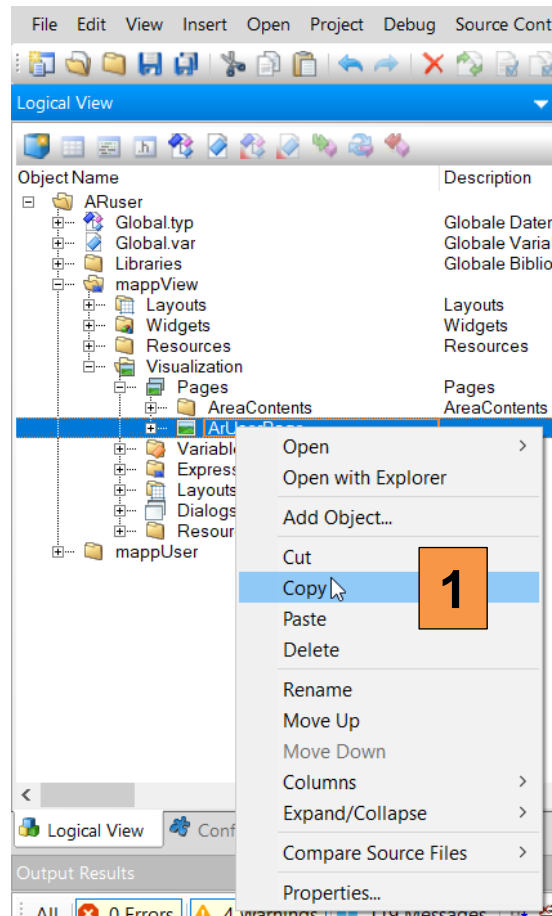
ArDemo Project



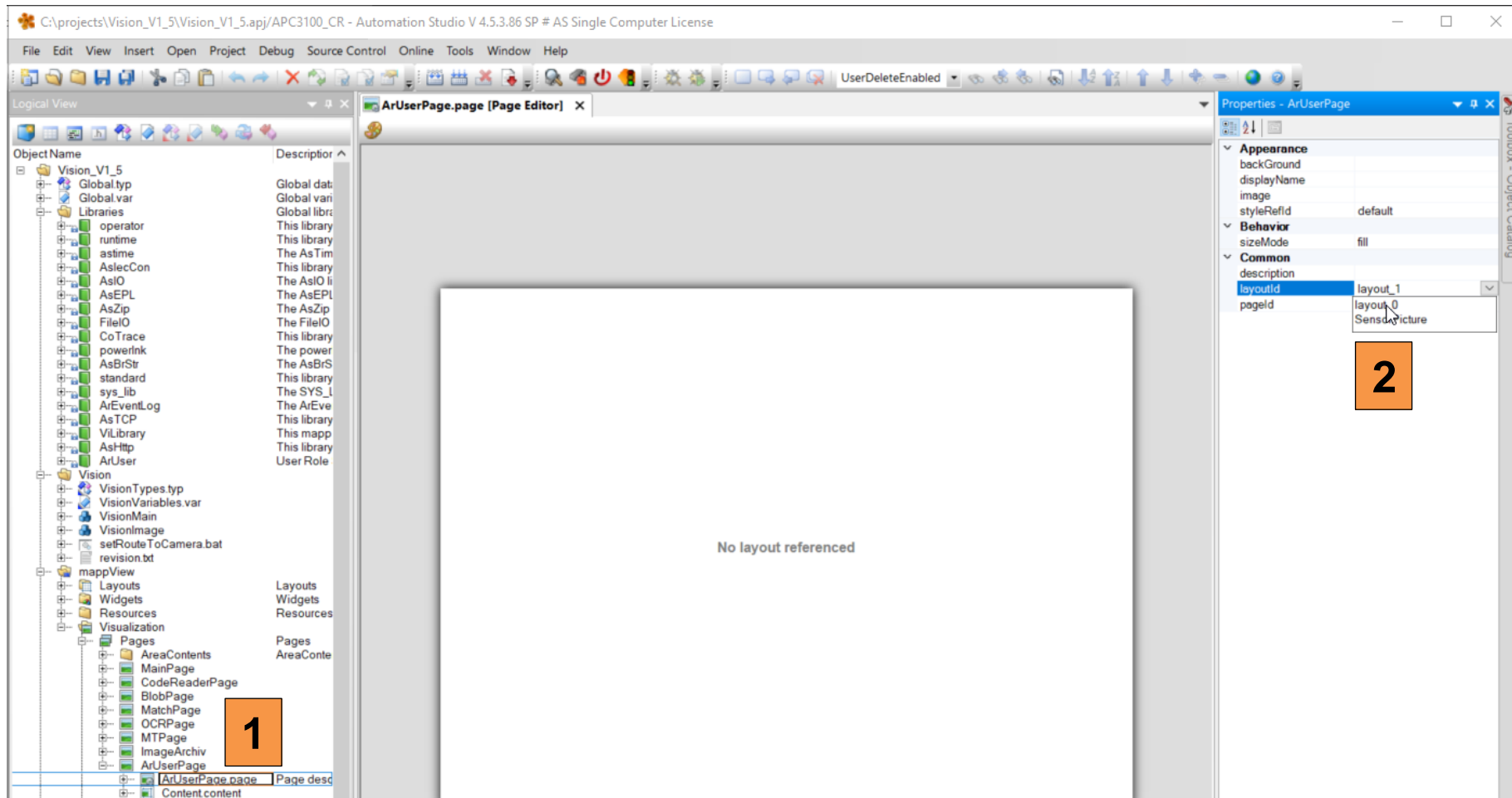
Existing Project



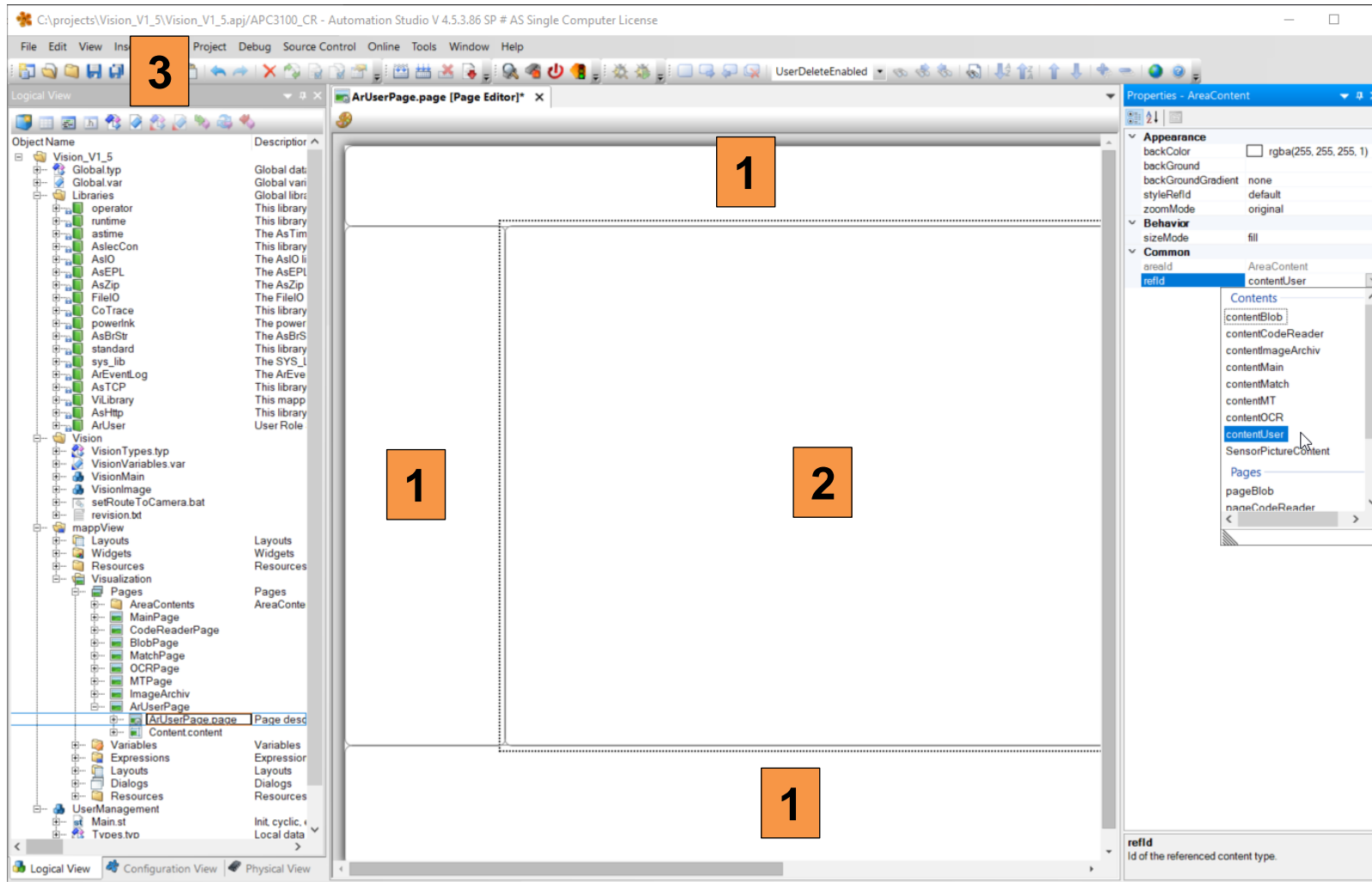
1. Open the mappView tree in the demo project and navigate to ArUserPage, right click and copy it
2. In the existing project paste the page onto pages
3. Assign the new task to the CPU



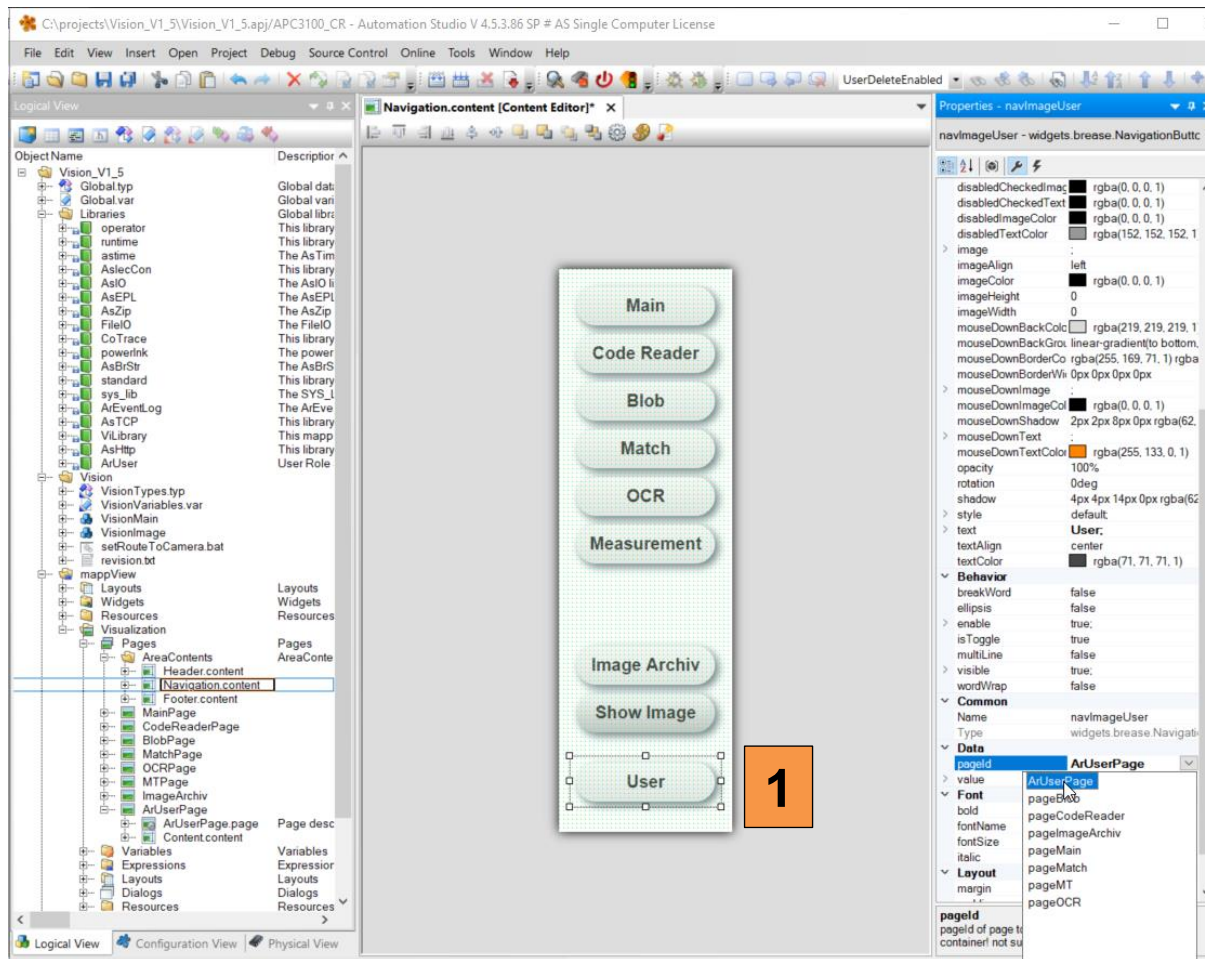
1. Expand the new page and double click on “ArUserPage.page”
2. Select the default layout for the existing project the properties window



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

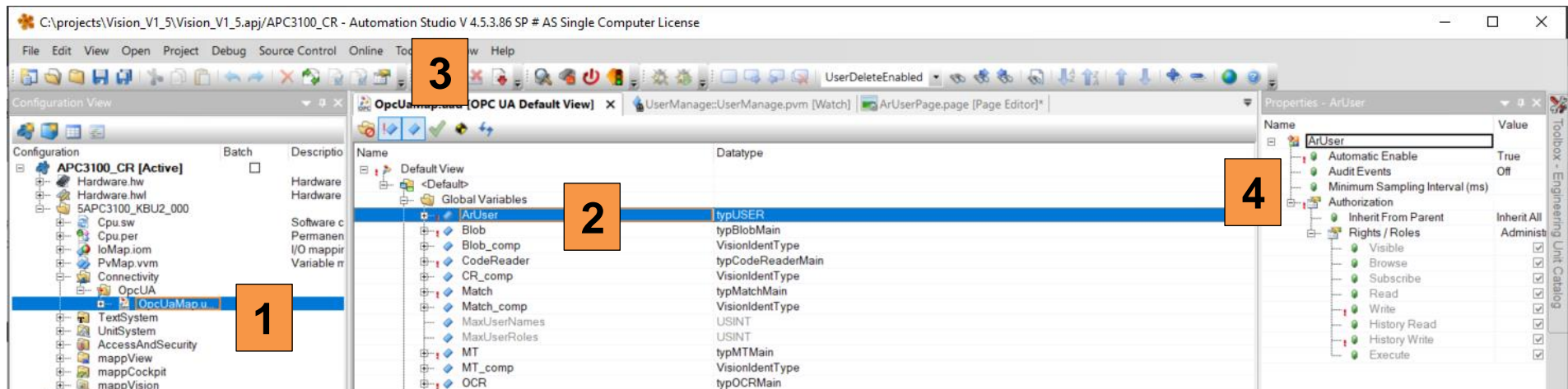


1. If the existing project uses a navigation bar add a new button that points to the new user page

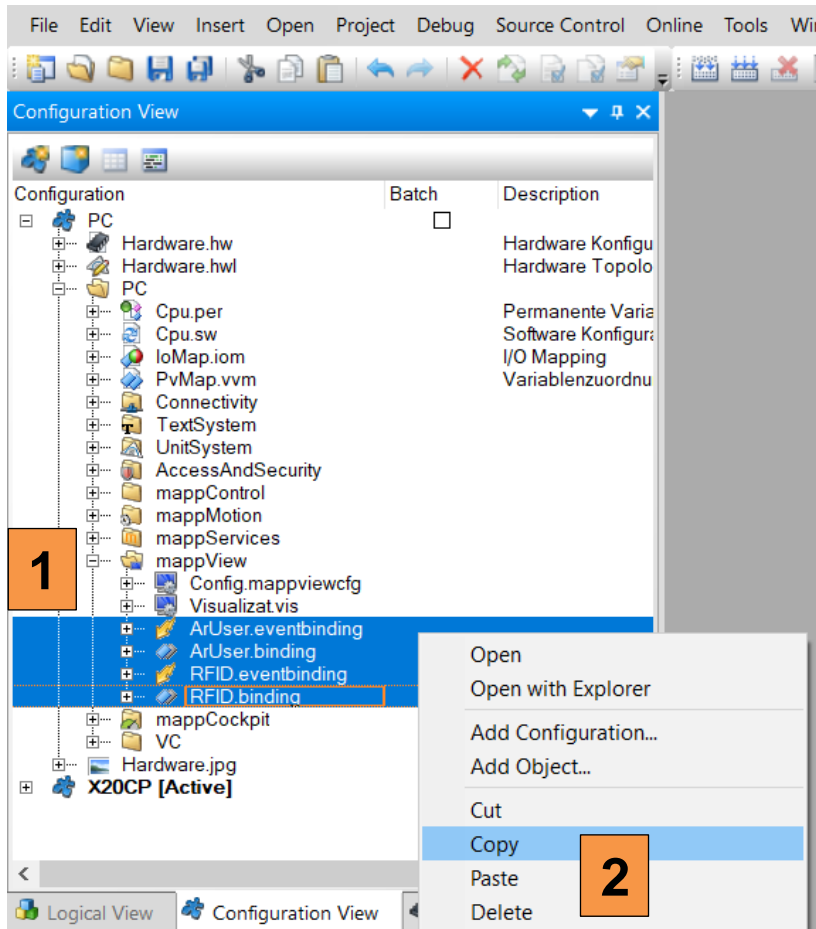


Make sure the OPC server is enabled in the CPU configuration. If the project has no OPC default view use the toolbox and add one. Make sure there are at least some users and roles defined under AccessAndSecurity.

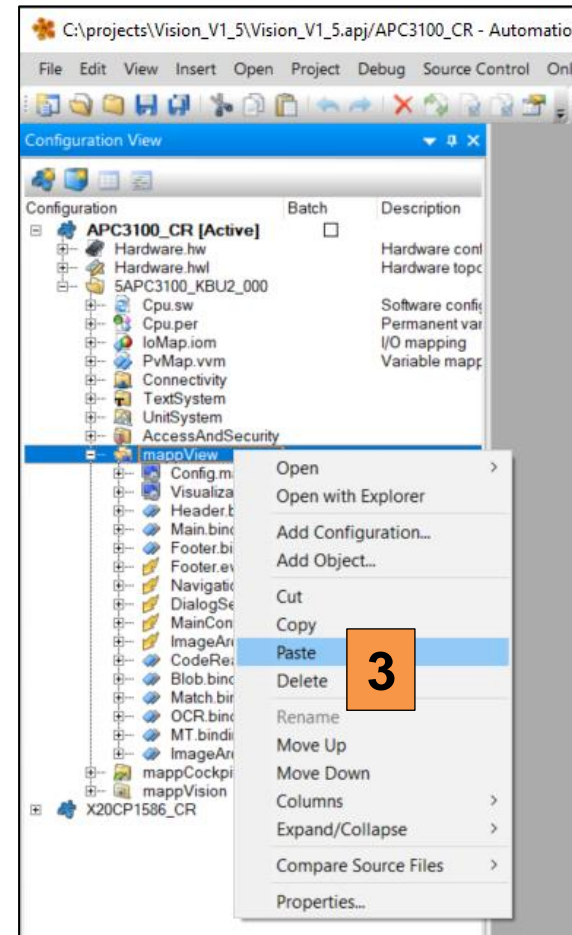
1. Open the configuration view in the existing project and open the OPC configuration
2. Select the global variable "ArUser", **if the variable does not show up, save and compile the project, then reopen the window**
3. Enable the variable "ArUser" with green checkmark
4. Set "Automatic Enable" to true in the properties window
5. If you use the RFID Add-on repeat step 3 and 4 for the variable "RFID"



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

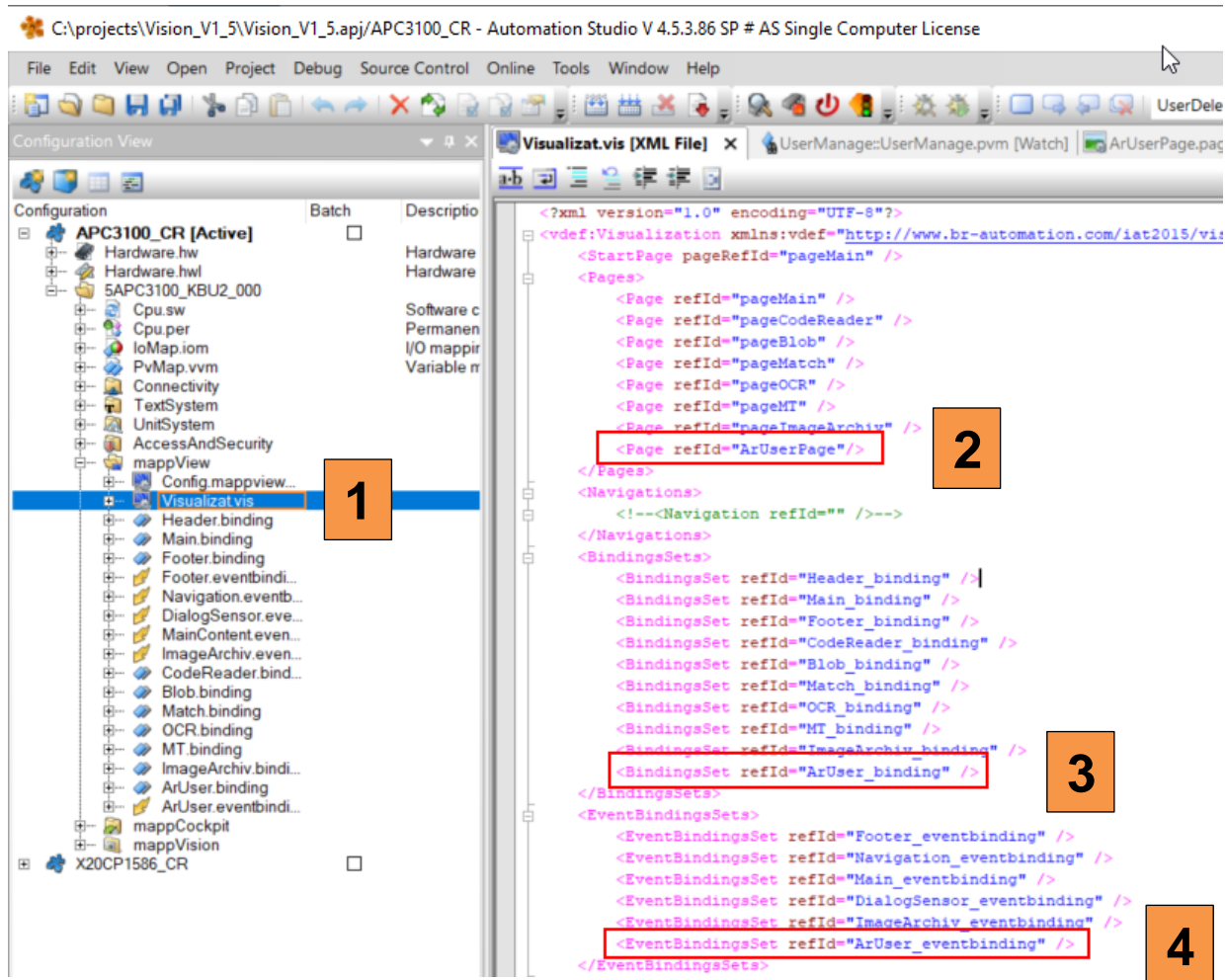


ArDemo Project



Existing Project

1. In the existing project open the file "Visualizat.vis"
2. Add the ArUserPage in the section pages
3. Add the ArUser_binding in the section binding sets
4. Add the ArUser_eventbinding in the section EventBindingSets
5. If you use the RFID Add-on also add RFID_binding and RFID_eventbinding

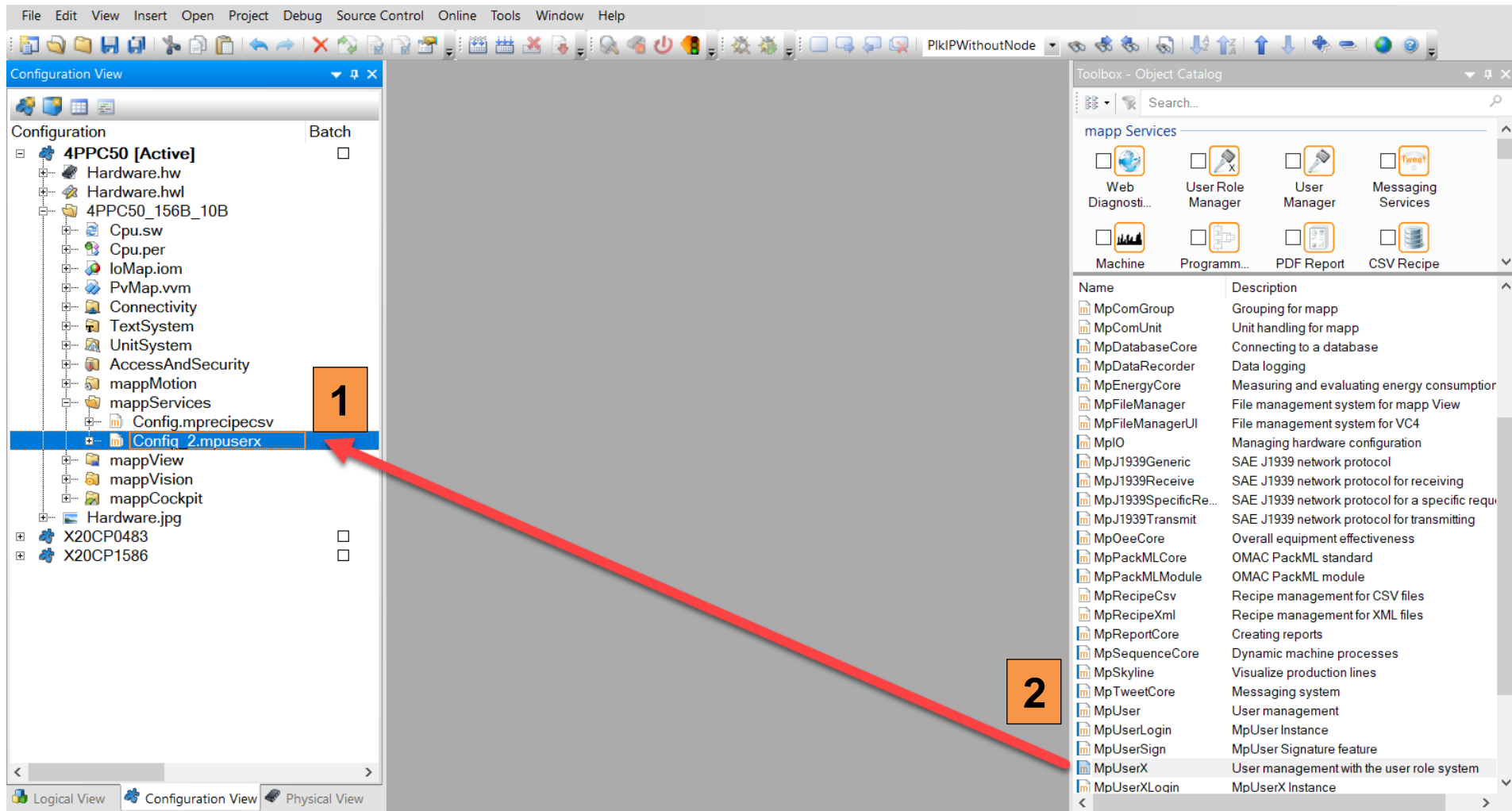


1. Open the mappView configuration
2. Select MpUserX as authentication method

The screenshot shows the Siemens SIMATIC Manager configuration interface. On the left, the 'Configuration View' tree shows the project structure. The 'mappView' folder is expanded, and the 'Config.mappviewcfg' file is highlighted with a red box and a blue arrow, labeled with an orange box containing the number '1'. On the right, the 'Config.mappviewcfg [mapp View Configuration]*' window is open, displaying a table of configuration parameters. The 'Authentication mode' parameter is highlighted with a blue box and a blue arrow, labeled with an orange box containing the number '2'. The dropdown menu for 'Authentication mode' is open, showing 'RBAC' and 'MpUserX' (selected).

Name	Value	Unit
MapViewConfiguration		
Server configuration		
Protocol	HTTP	
Port Number	81	
Maximal client connections	4	
Maximal B&R client connecti...	0	
Authentication mode	RBAC	
OPC-UA system	RBAC	
Server connection timeout	MpUserX	ms
Sampling rate groups		
default	200	ms
slow	1000	ms
fast	100	ms
Initial ValueChanged Events	TRUE	
Session Timer		
Timer 1		
TimerId	Timer1	
Interval	1000	

1. Select the folder mappServices
2. Open the toolbox, drag and drop a MpUserX configuration into the folder



1. Open the MpUserX configuration
2. Add all existing users from the dropdown list, adjust the Level for each user, starting from low to high by access level
3. Add all existing roles from the dropdown list, make sure at least one has Administrator set to true

The screenshot shows the MpUserX configuration interface. On the left, the 'Configuration View' displays a tree structure of configuration items. Item 1 points to 'Config_2.mpuserx' in the tree. The main area shows a table of configuration values for 'Users' and 'Roles'. Item 2 points to the 'Language' dropdown menu for the 'User: bundr' entry. Item 3 points to the 'Administrator' checkbox for the 'Role: Administrators' entry.

Name	Value	Unit	Description
Users			Local users
User: Anonymous			Settings of the user
User: bundr			Settings of the user
UserName	bundr		User from URS (User)
FullName			Full (long) name of user
Language	Anonymous		Language preferred by user
Measurement system	bundr		Measurement system
Additional Data			Definition of the additional data
Data:			
Key			Key (identifier) for the Value to save
Value			Value to save
User:			Settings of the user
UserName			User from URS (User)
FullName			Full (long) name of user
Language			Language preferred by user
Measurement system			Measurement system
Additional Data			Definition of the additional data
Data:			
Key			Key (identifier) for the Value to save
Value			Value to save
Roles			Role settings
Role: Everyone			List of roles
Role: Administrators			List of roles
Name	Administrators		Role from URS (User)
Level	10		User level
Administrator	TRUE		Defines whether the role is an administrator
Rights			Access rights
Access right 1	Undefined		Definition of the access right
Role:			List of roles
Name			Role from URS (User)

Optional

1. Enable the user partition by defining a minimum size
2. Define a FileDevice and point it to the user partition

The screenshot shows the X20CP1583 configuration tool interface. On the left, the 'Physical View' pane shows a tree structure with 'X20CP1583' selected. A context menu is open over 'X20CP1583', with 'Configuration' highlighted. An orange box with the number '1' is placed over the 'Configuration' menu item.

The main pane displays the 'X20CP1583 [Configuration]' tab. It shows a tree structure of configuration parameters. The 'Module system on target' section is expanded, showing 'Minimum user partition size' set to 16. An orange box with the number '3' is placed over this value.

The 'PV memory' section is expanded, showing 'Volatile global PVs' set to 87893. An orange box with the number '2' is placed over this value.

The 'Resources' section is expanded, showing 'File device 1' with 'Name' set to 'FileDevice' and 'Path' set to 'F:\'. An orange box with the number '4' is placed over the 'Path' value.

Name	Value
Configuration ID	ARuser1_Config1
Configuration version	1.0.0
Module system on target	
Minimum user partition size	16
Automatic transfer of userfiles	off
Module system on target	SAFE
Simulation	
Memory configuration	
UserRAM	
RemMem	
PV memory	
Used	
Permanent PVs	0
Remanent global PVs	0
Remanent local PVs	0
Volatile global PVs	87893
Volatile local PVs	3612
Permanent PVs	0
Remanent global PVs	32000
Remanent local PVs	33280
Volatile global PVs	128000
Clear non volatile memory after change of system mass storage	off
System	
Reboot	
Communication	
Timing	
Resources	
File devices	
File device 1	
Name	FileDevice
Path	F:\