



KREO HMI TUTORIAL  
Network project

Tutorial dedicated to the network project

Connect  
Ideas.  
Shape  
solutions.



# Introduction

In KREO HMI you can create a project with several devices that can share tags. We will call network EDGE-SERVER the device that makes the tags available on the network for other devices.

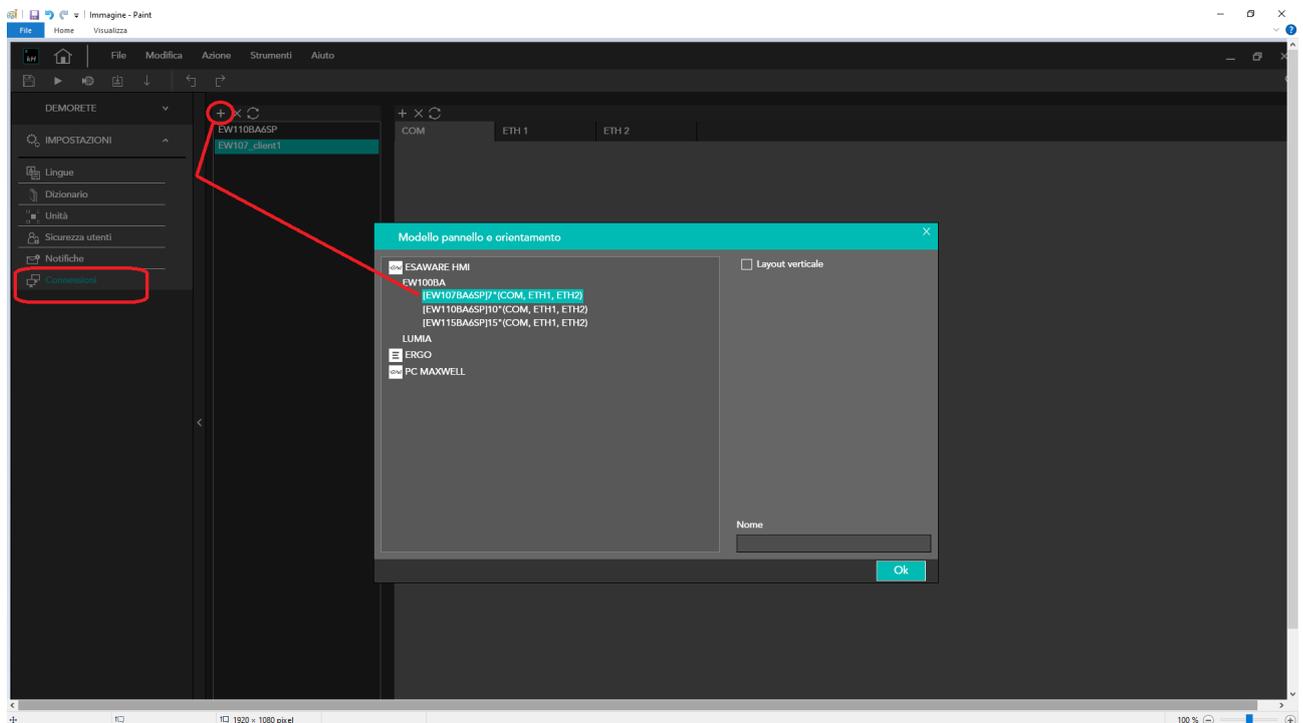
We will call network CLIENT who instead "asks" the network for these tags to be read / written.

Nothing prevents a panel from behaving as both a server and a client.

## How to do:

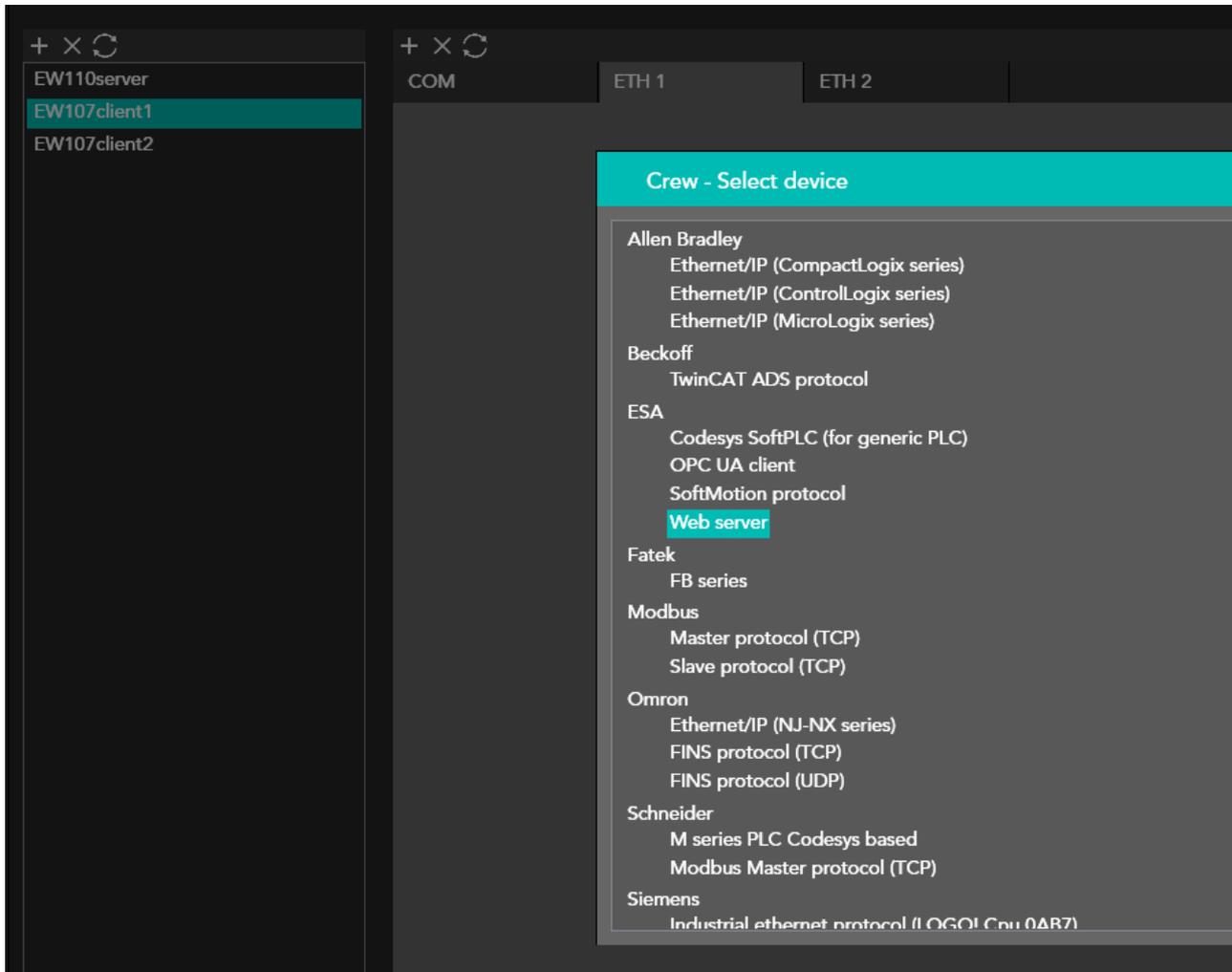
- 1) Suppose you use an EW110-SERVER that provides for two EW107-CLIENTS its tags:Tag 1,2,3.

You initially create the EW110-SERVER project with its 1,2,3 Tags and then add 2 EW107 HMIs:



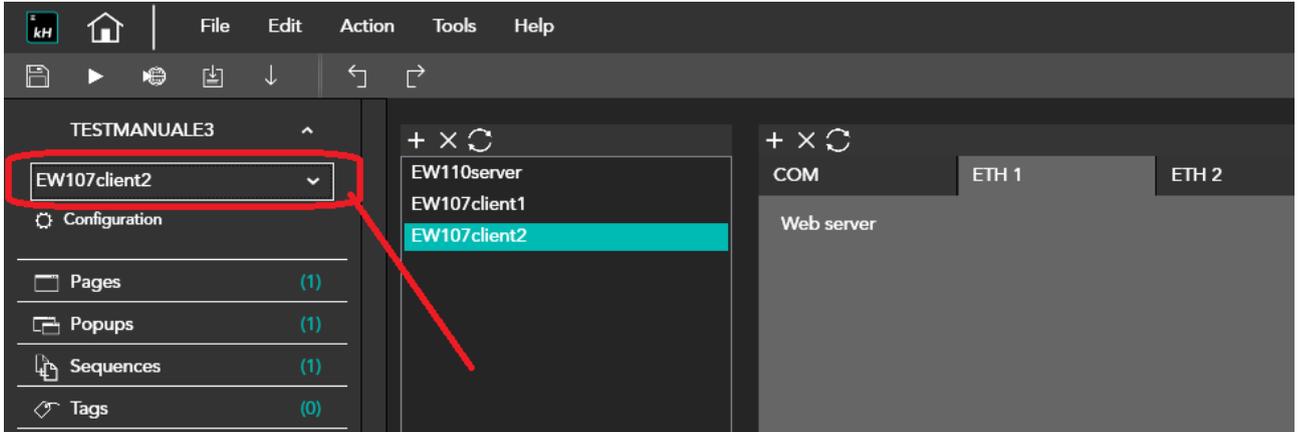


2) Add the network driver necessary for the client-server communication.

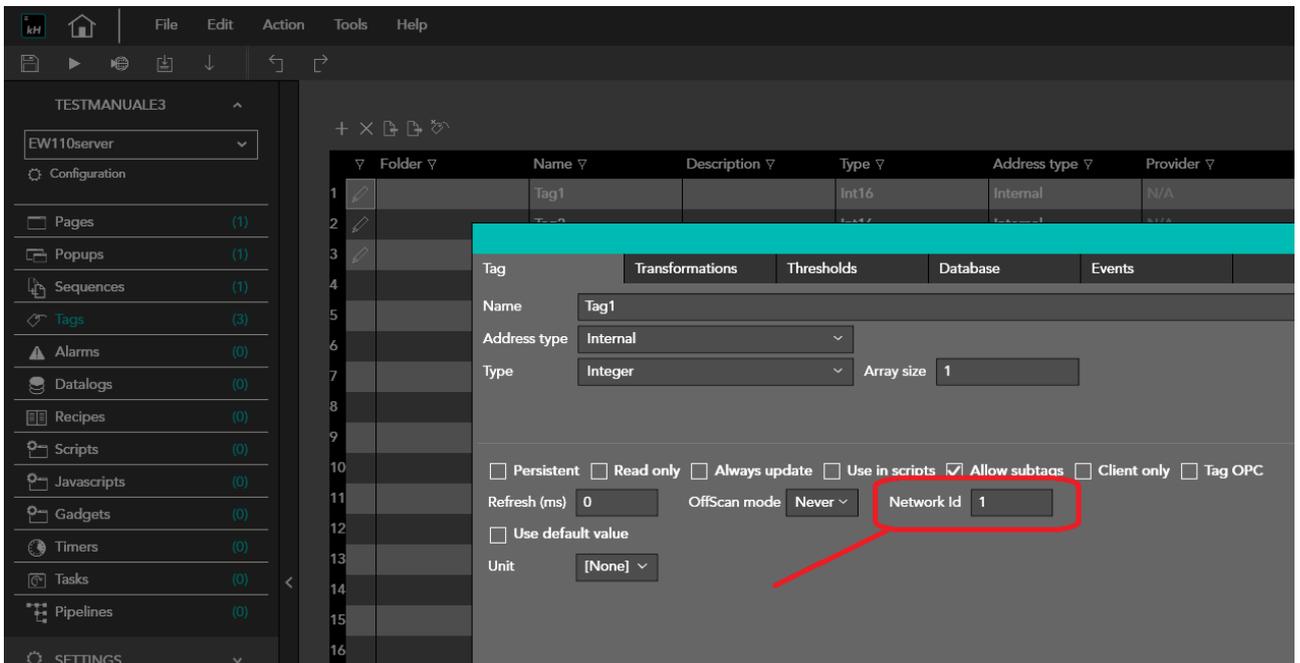




3) Now I can switch from one project to another via the dedicated window on top of the project tree in order to do the configuration of the different elements of each project



4) We initially create the 3 server tags and configure them as network tags. They will be identified in the network through a unique Id:



5) Now let's move to CLIENT 1 and 2 and define the respective tags assuming that:

CLIENT1 reads tag Tag1,2  
CLIENT2 reads the Tag3



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TESTMANUALE3

EW107client1

Configuration

- Pages (1)
- Popups (1)
- Sequences (1)
- Tags (1)
- Alarms (0)
- Datalogs (0)
- Recipes (0)
- Scripts (0)
- Javascripts (0)
- Gadgets (0)
- Timers (0)
- Tasks (0)
- Pipelines (0)

SETTINGS

Folder	Name	Description	Type	Address type	Pr
	Tag1CLIENT1		Int16	Network	E

Tag: Tag1CLIENT1

Address type: Network

Type: Integer Array size: 1

Read only  Always update  Use in scripts  Allow subtags  Tag OPC

Refresh (ms): 0 OffScan mode: Never Network Id: 0

Use default value

Unit: [None]

Panel: EW110server

Linked Tag: Tag1



6) the tags for each client will then be

### CLIENT1:

	Folder ▾	Name ▾	Description ▾	Type ▾	Address type ▾	Provider ▾
1		Tag1CLIENT1		Int16	Network	EW110server
2		Tag2CLIENT1		Int16	Network	EW110server
3						
4						
5						
6						

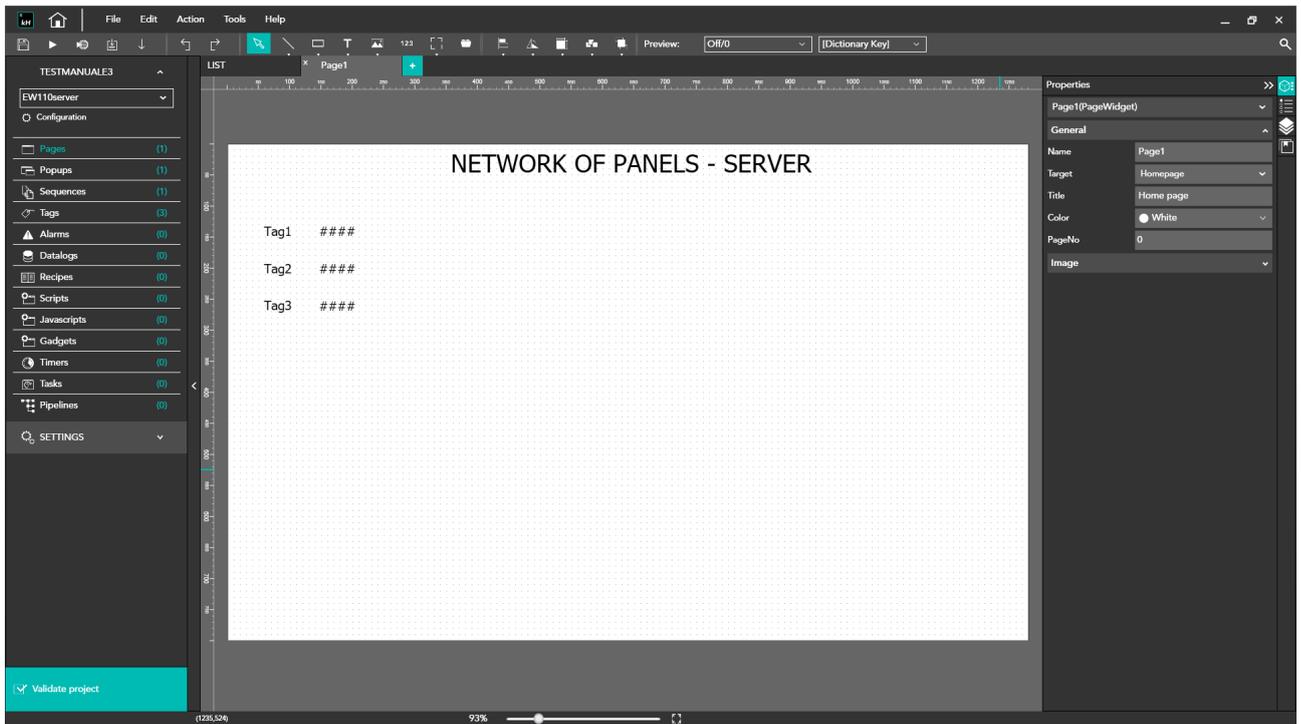
### CLIENT2:

	Folder ▾	Name ▾	Description ▾	Type ▾	Address type ▾	Provider ▾
1		Tag3CLIENT2		Int16	Network	EW110server
2						
3						
4						
5						
6						



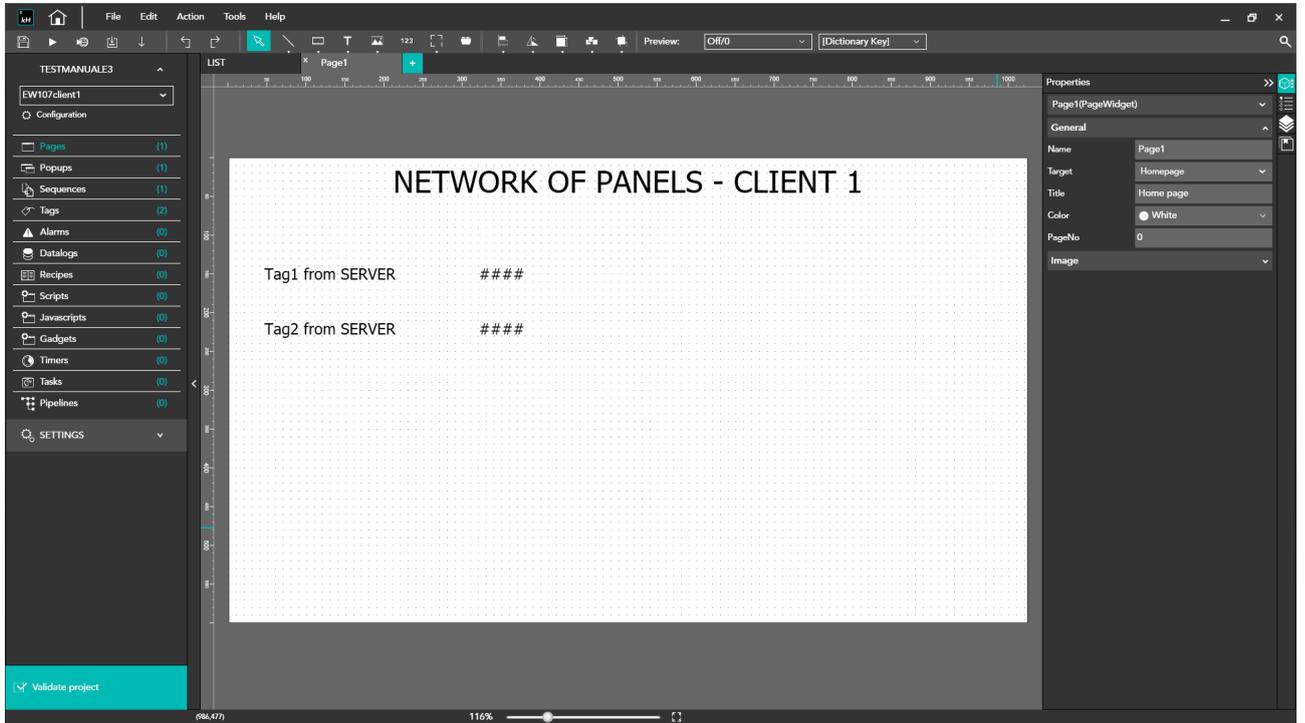
7) Display the different tags on the project pages and then download the 3 individual projects to their respective SERVER / CLIENT devices:

SERVER:

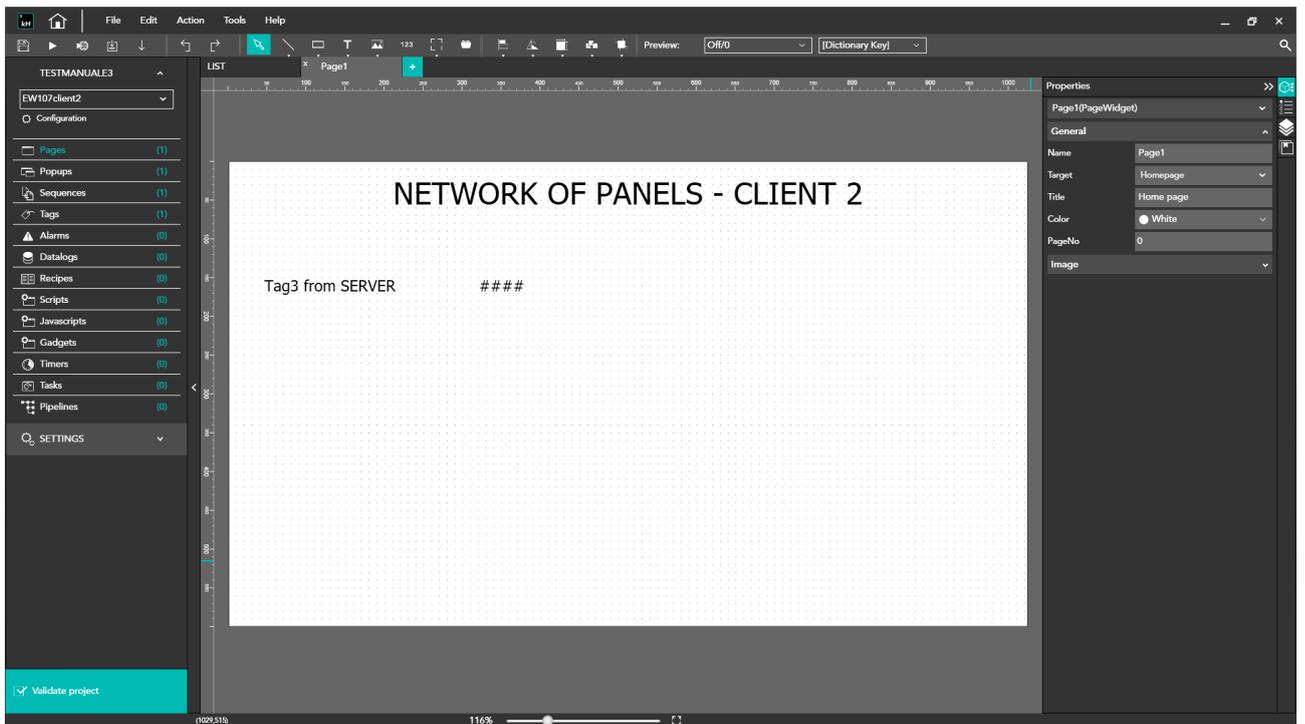




## CLIENT1:



## CLIENT2:





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