

Выбор драйвера устройства (к п.2)



Выбор драйвера устройства (к п.2)

# Настройка/ Создание ТЭГов на примере переменной типа BOOL

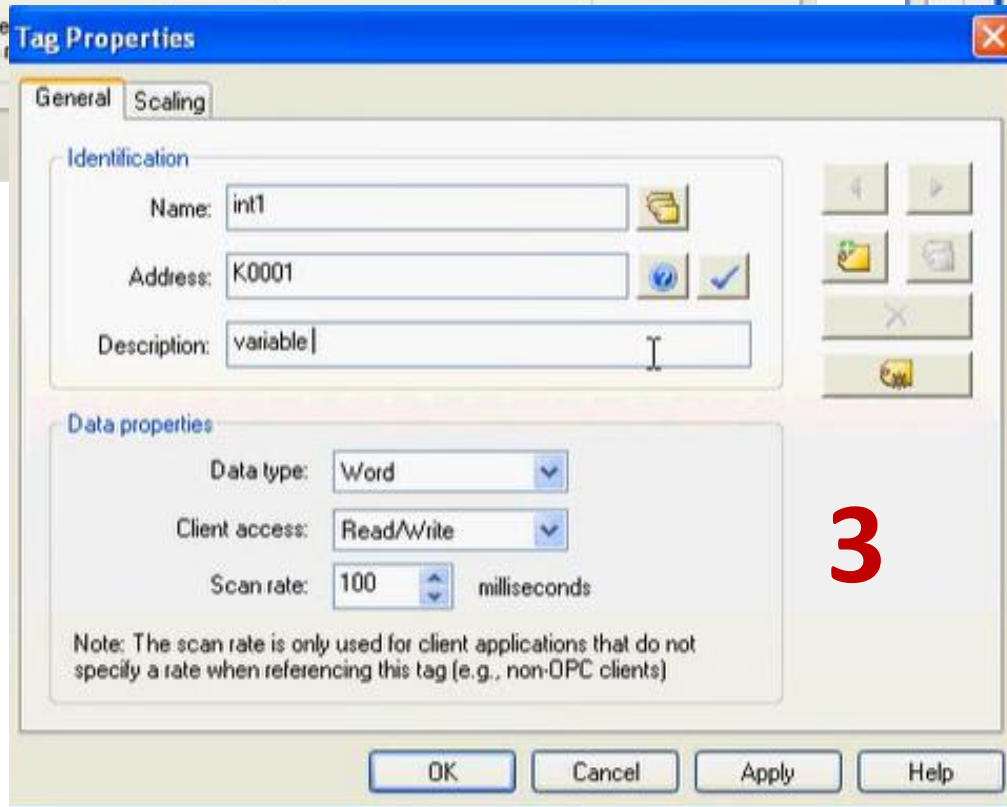
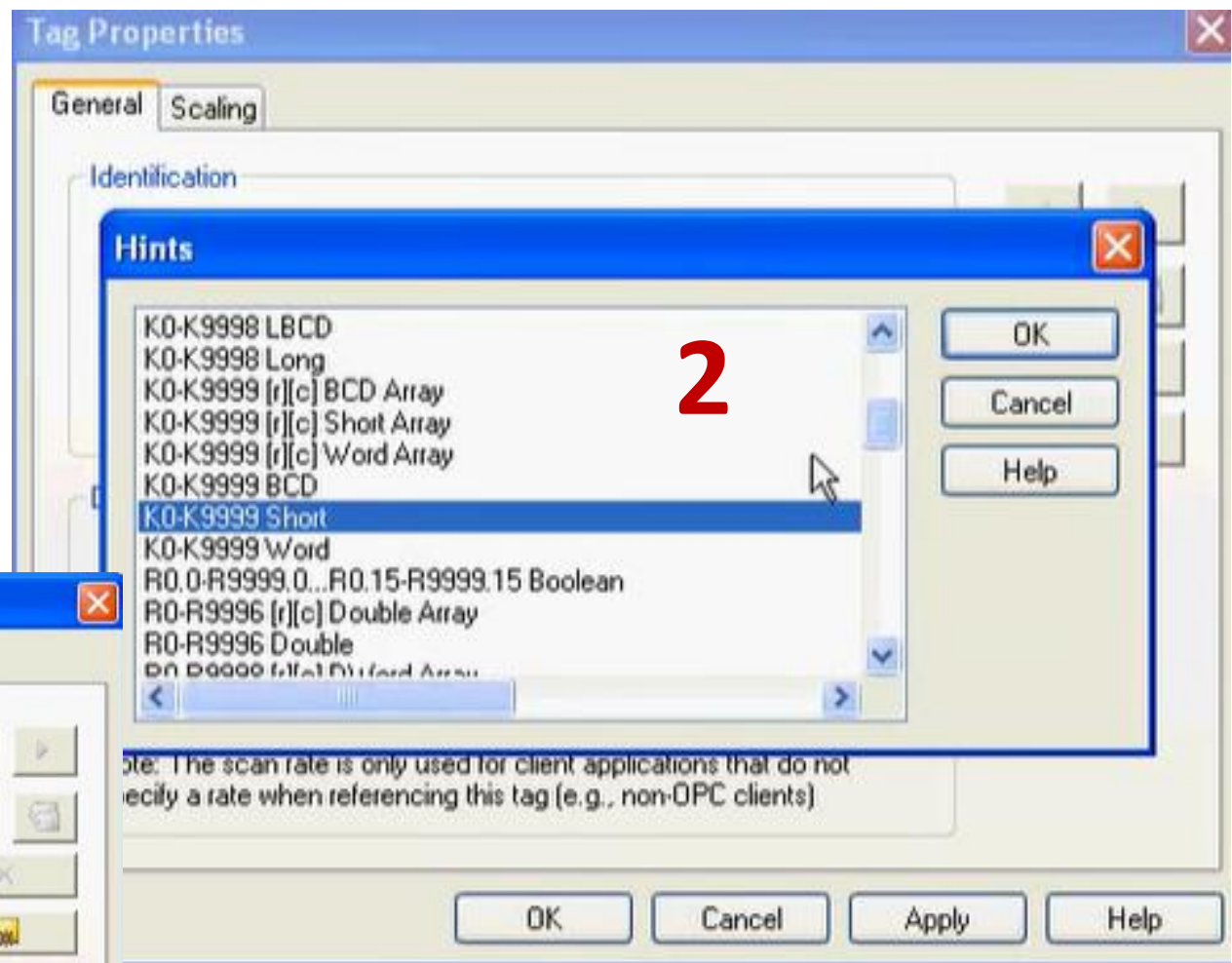
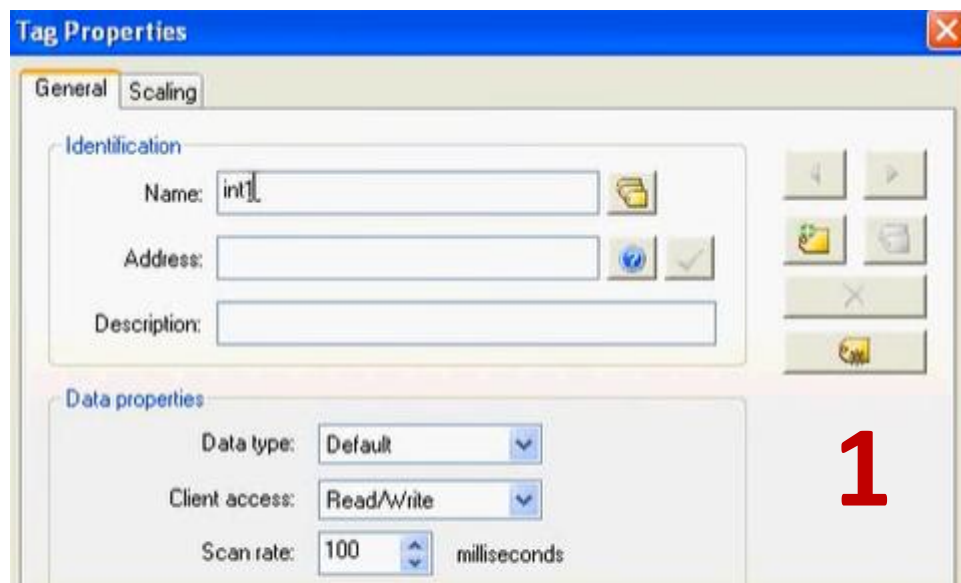
1

2

3

4






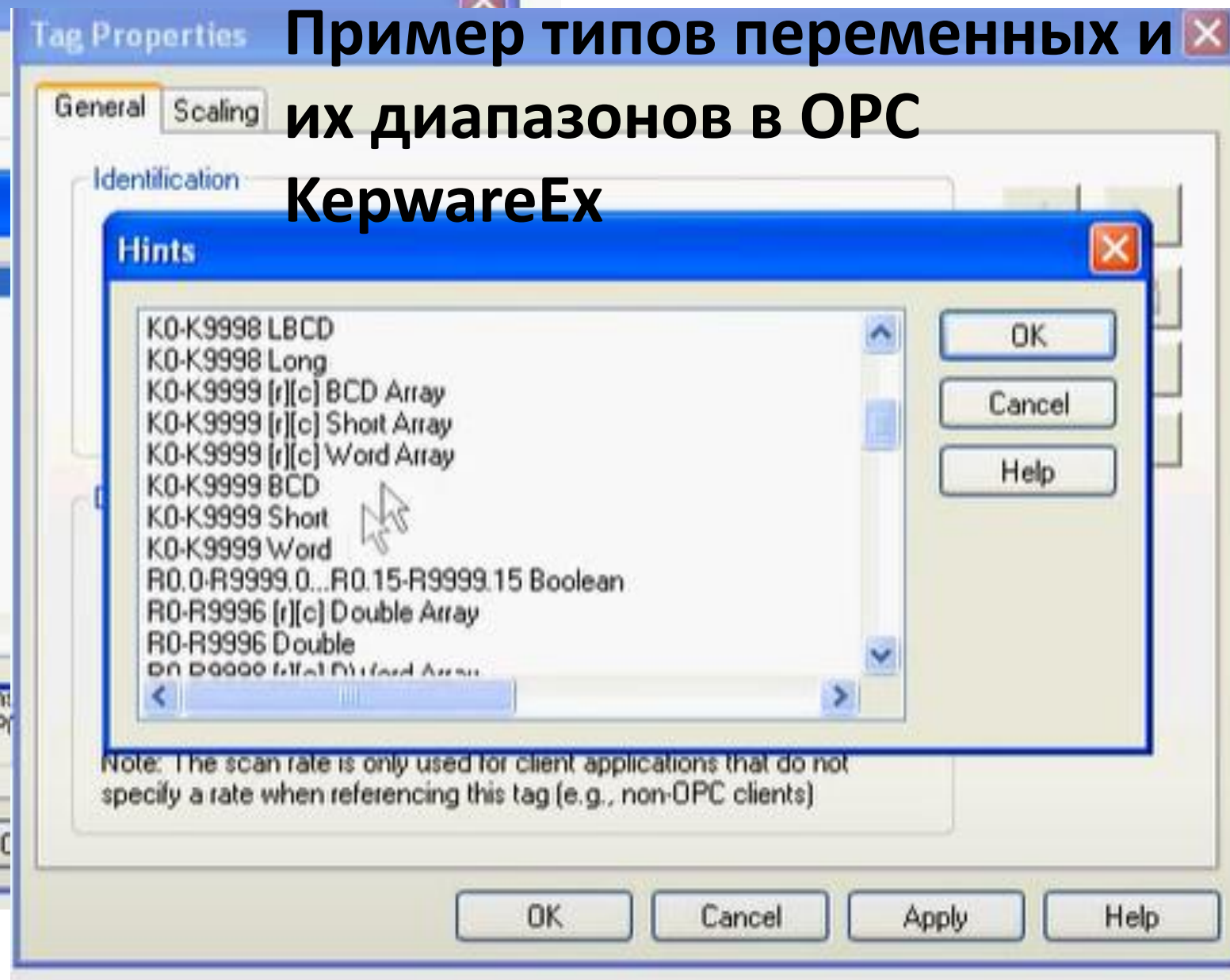
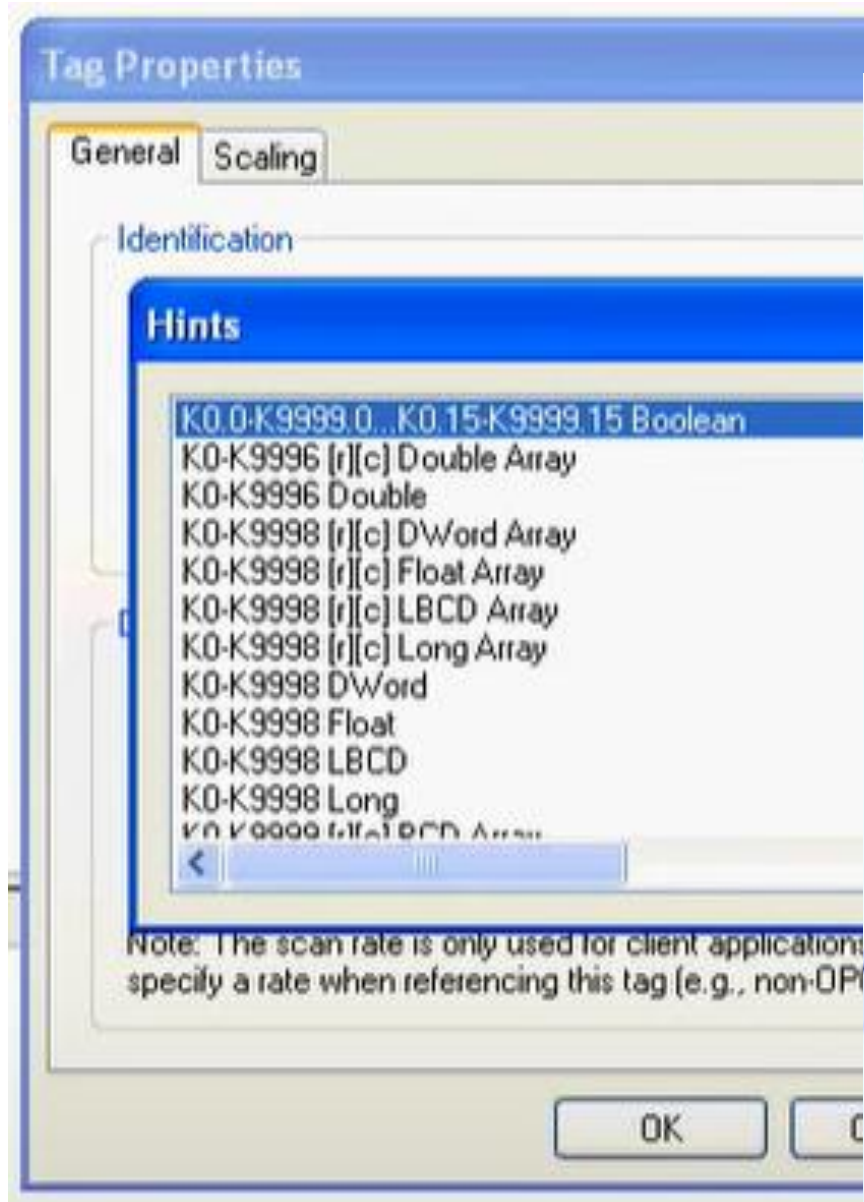
**Настройка/  
Создание ТЭГов на примере  
переменной типа INT (SHORT)**

Group1

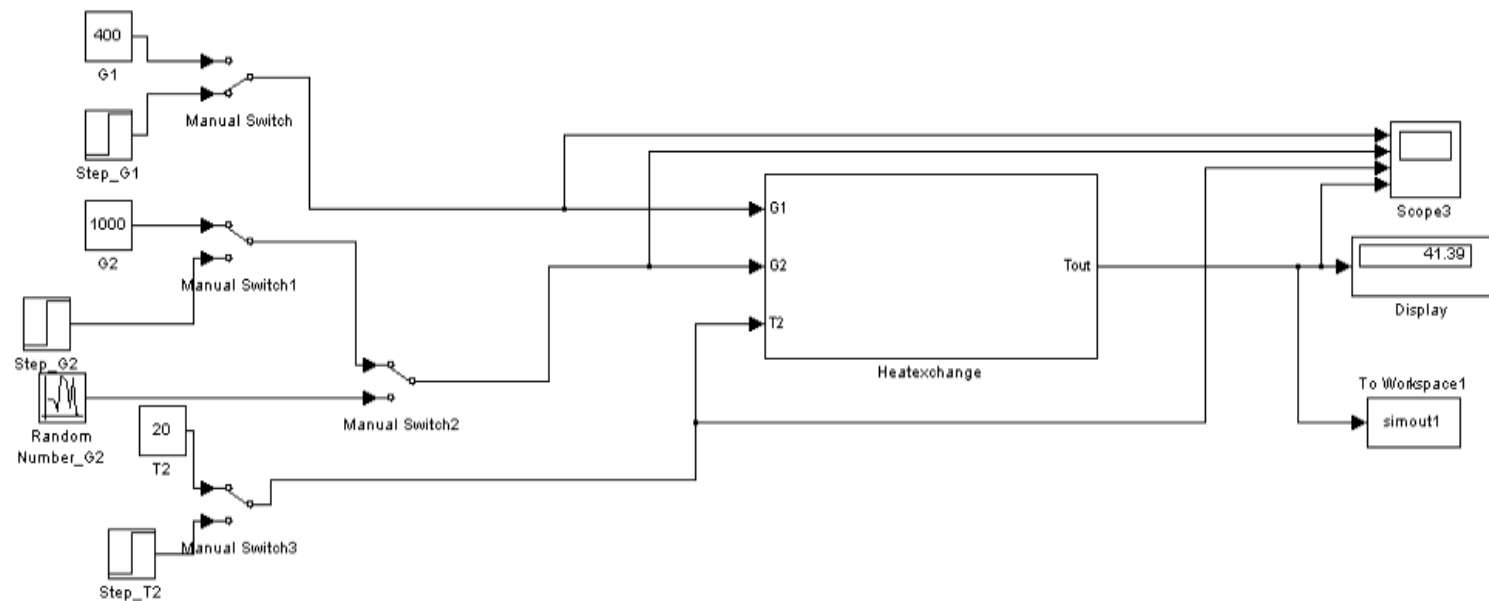
	bool2	K0000.02	Boolean	100	None	variable bool 2
	float1	K0003	Float	100	None	variable float 1
	int1	K0001	Short	100	None	variable int 1
	int2	K0002	Short	100	None	variable int 2

File – Save As

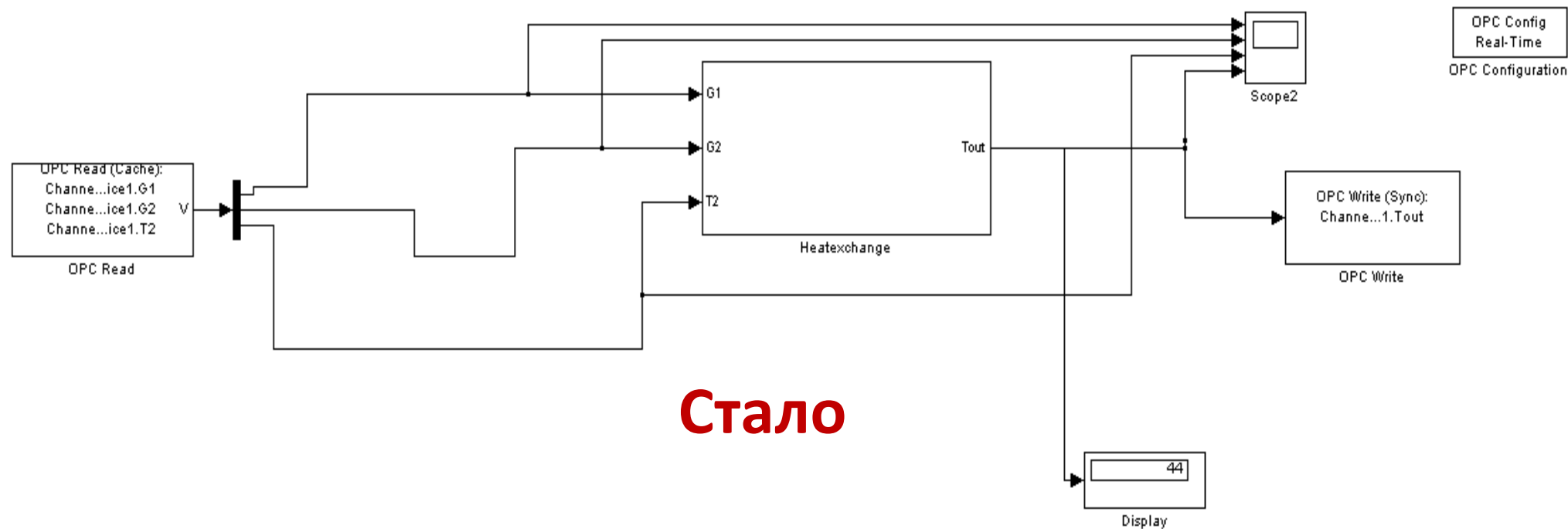
Project Files (\*.opf;\*.xml) 



Напоминалка по связи Матлаб и ОРС Кепваре  
(старой версии ОРС на виртмашине p3wхр).



**Было**



**Стало**

OPC Config  
Real-Time

OPC Configuration

OPC Read  
(Disabled)

V >

Q >

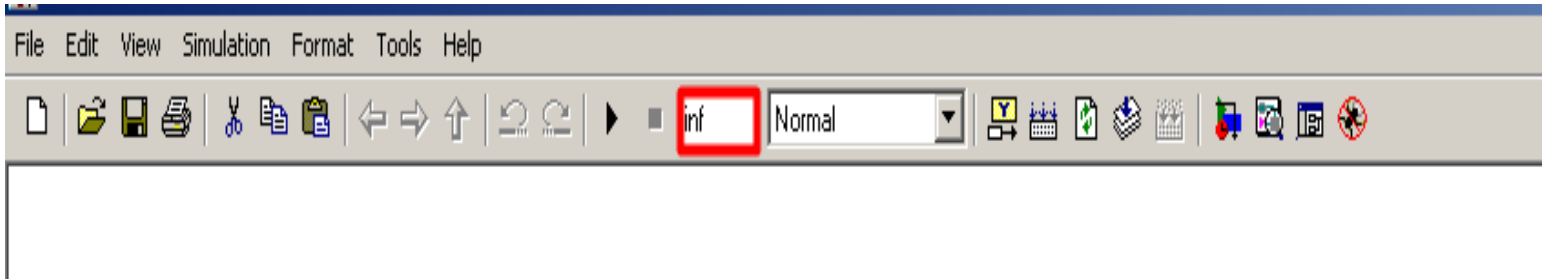
T >

OPC Read

OPC Write  
(Disabled)

X

OPC Write



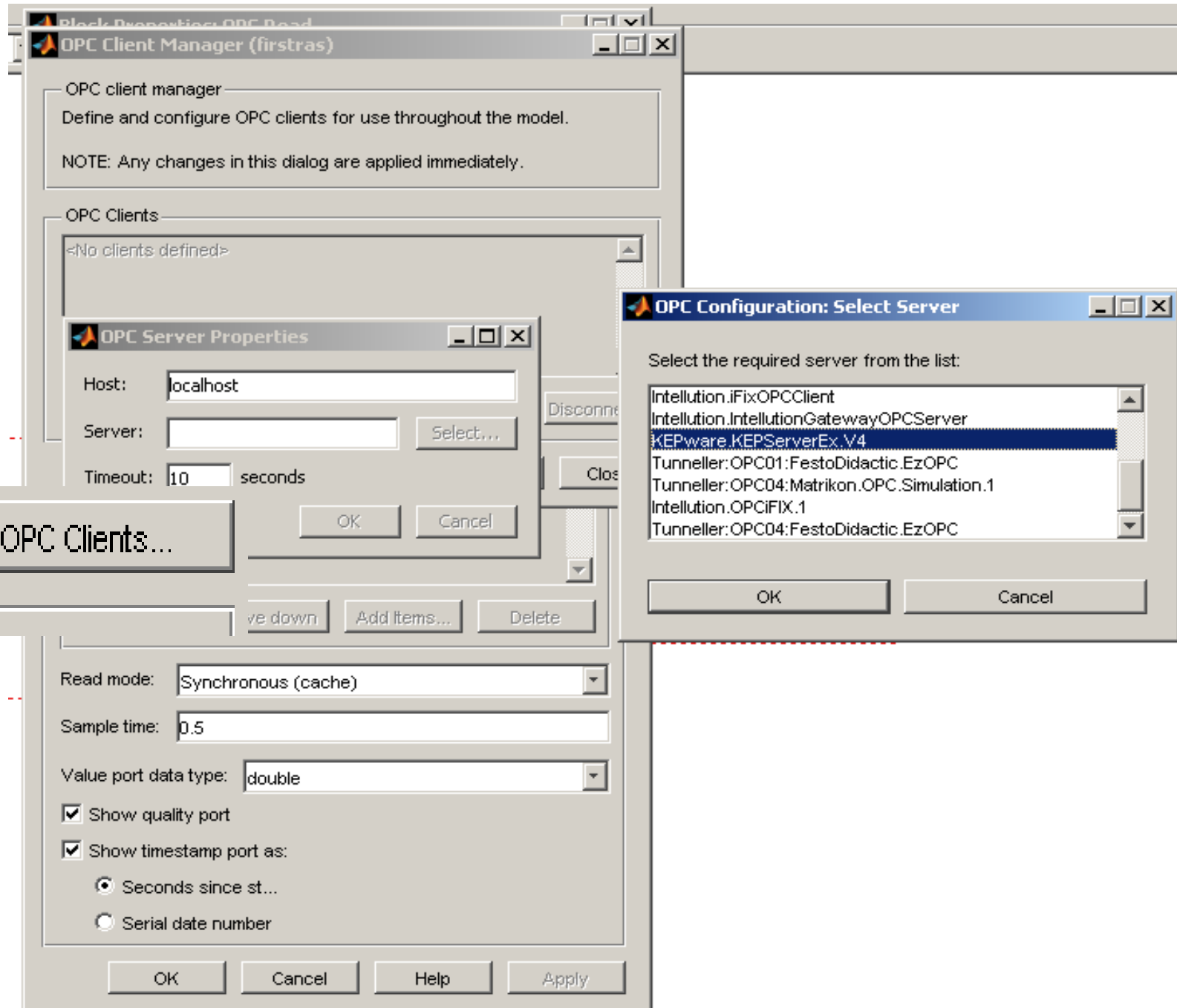


# OPC Config Real-Time

## OPC Configuration

Configure OPC Clients...

Item IDs



KEPServerEx - [E:\Program Files\KEPServerEx\projects\simdemo.opf \*]

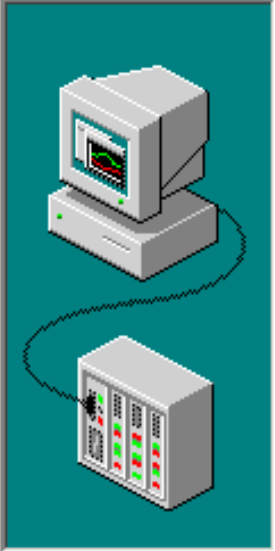
File Edit View Users Tools Help



Channel1  
Device1

Tag Name	Address	Data Type	Scan Rate	Scaling	Description
Tout	K0013	Double	100	None	
T2	K0009	Double	100	None	
G2	K0005	Double	100	None	
G1	K0001	Double	100	None	

### New Channel - Identification



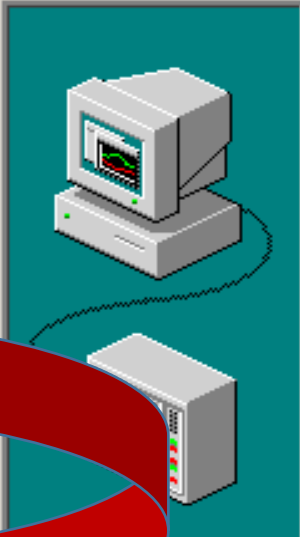
A channel name can be from 1 to 256 characters in length.

It must begin with a letter but the remaining characters can be any combination of letters, numbers and the underscore character.

Channel name:

< Back   Next >

### New Channel - Device Driver



Select the device driver you want to assign to the channel.

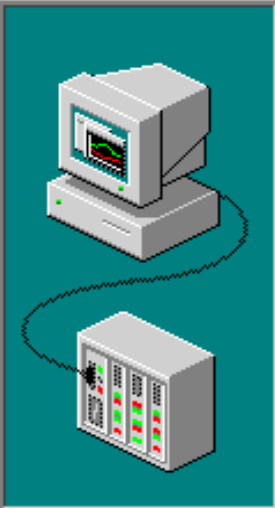
The drop-down list below contains the names of all the drivers that are installed on your system.

Device driver:

☐ Enable diagnostics

Next >   Cancel   Help

### New Channel - Write Optimization



You can control how the server processes writes on this channel. Set the optimization method and write-to-read duty cycle below.

Note: Writing only the latest value can affect batch processing or the equivalent.

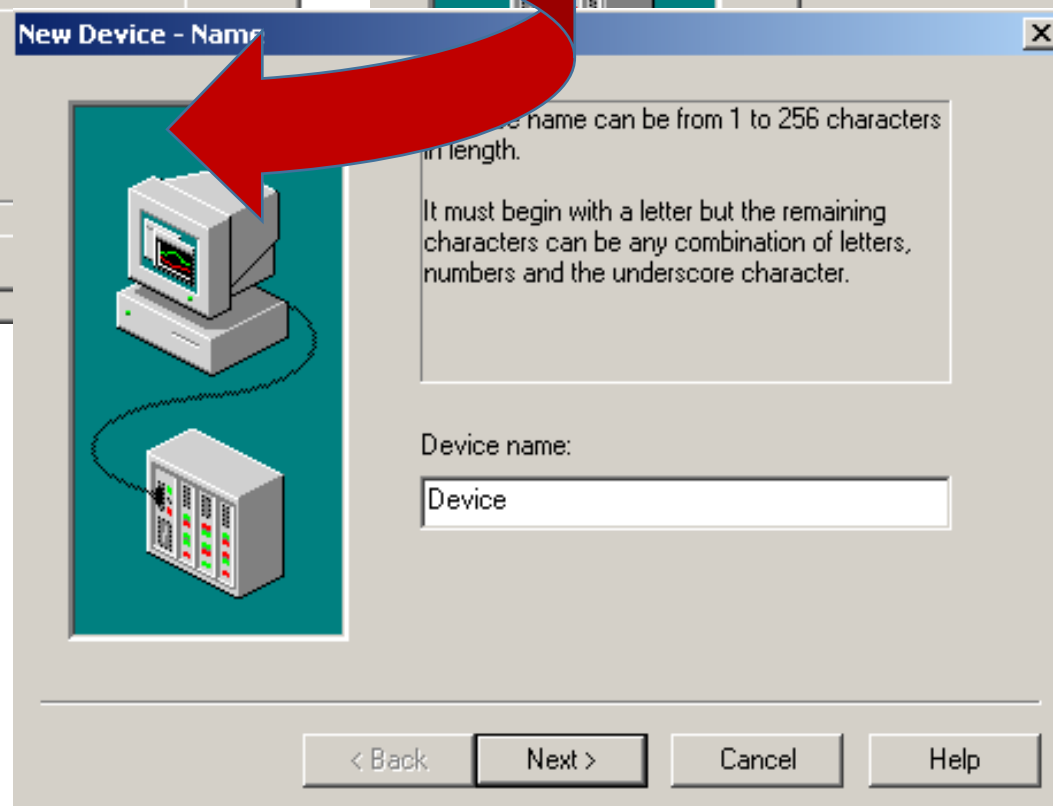
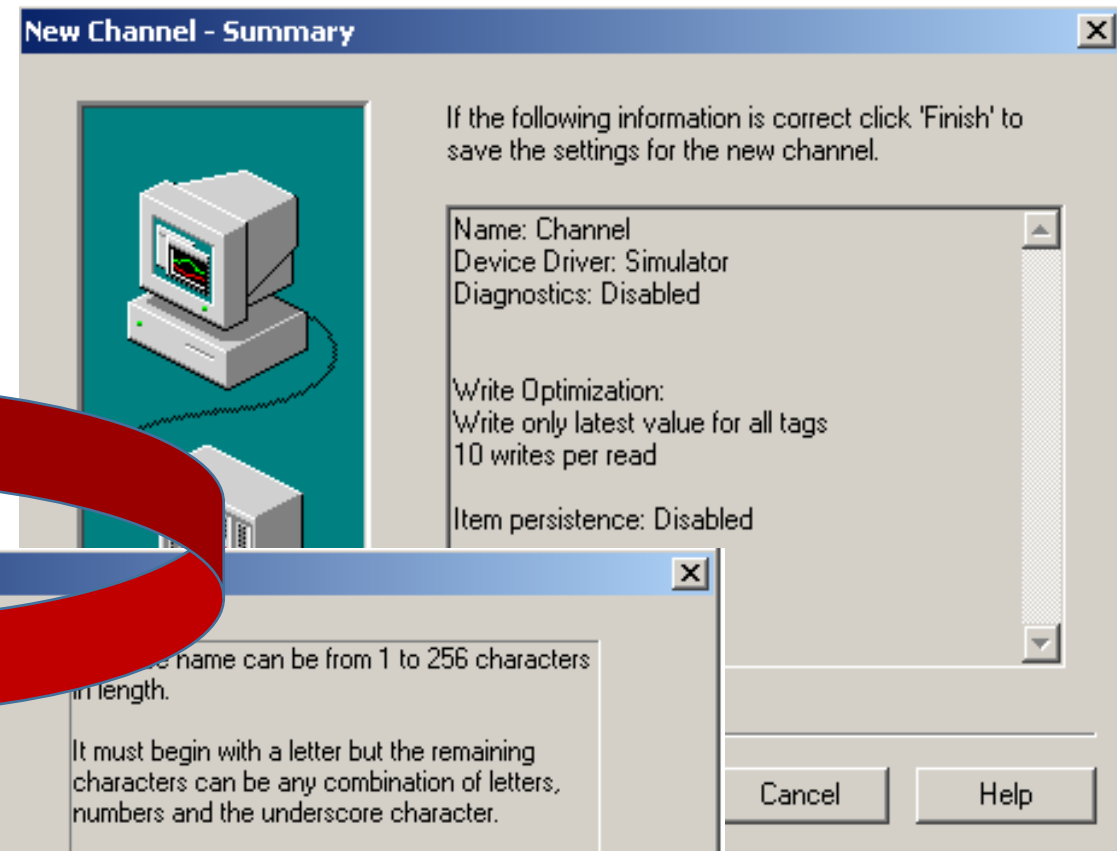
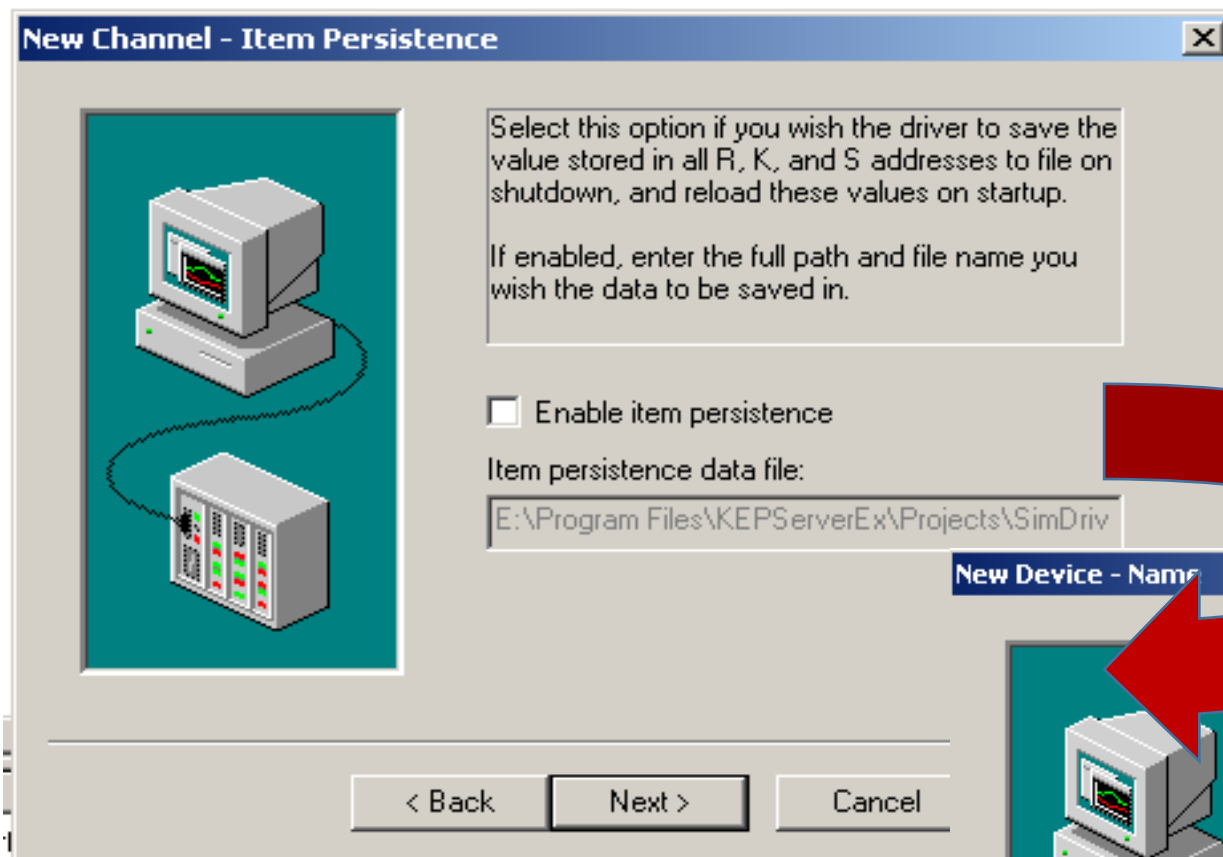
Optimization Method

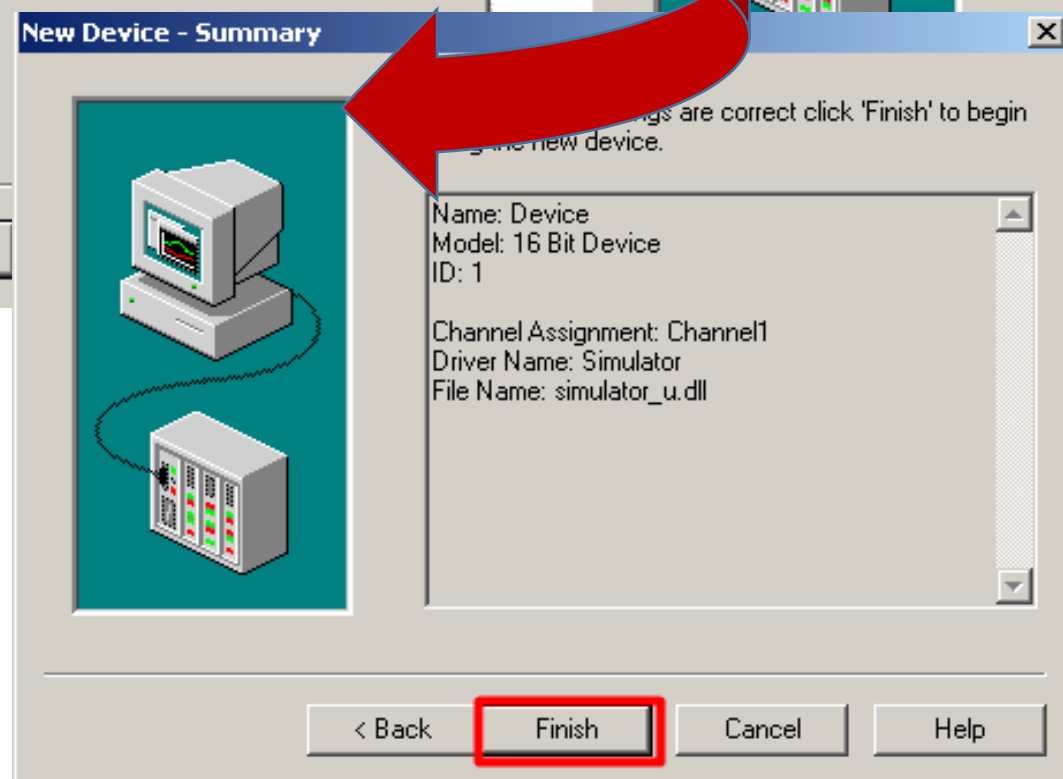
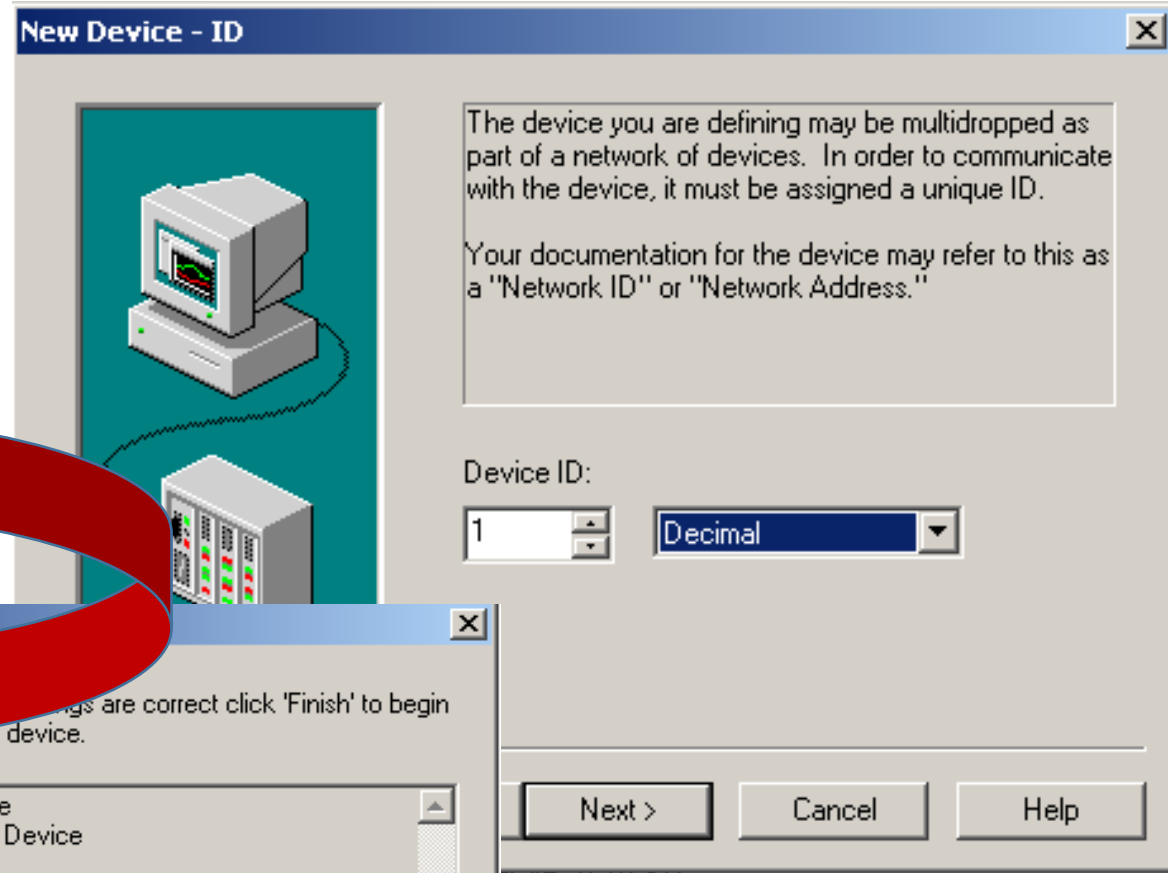
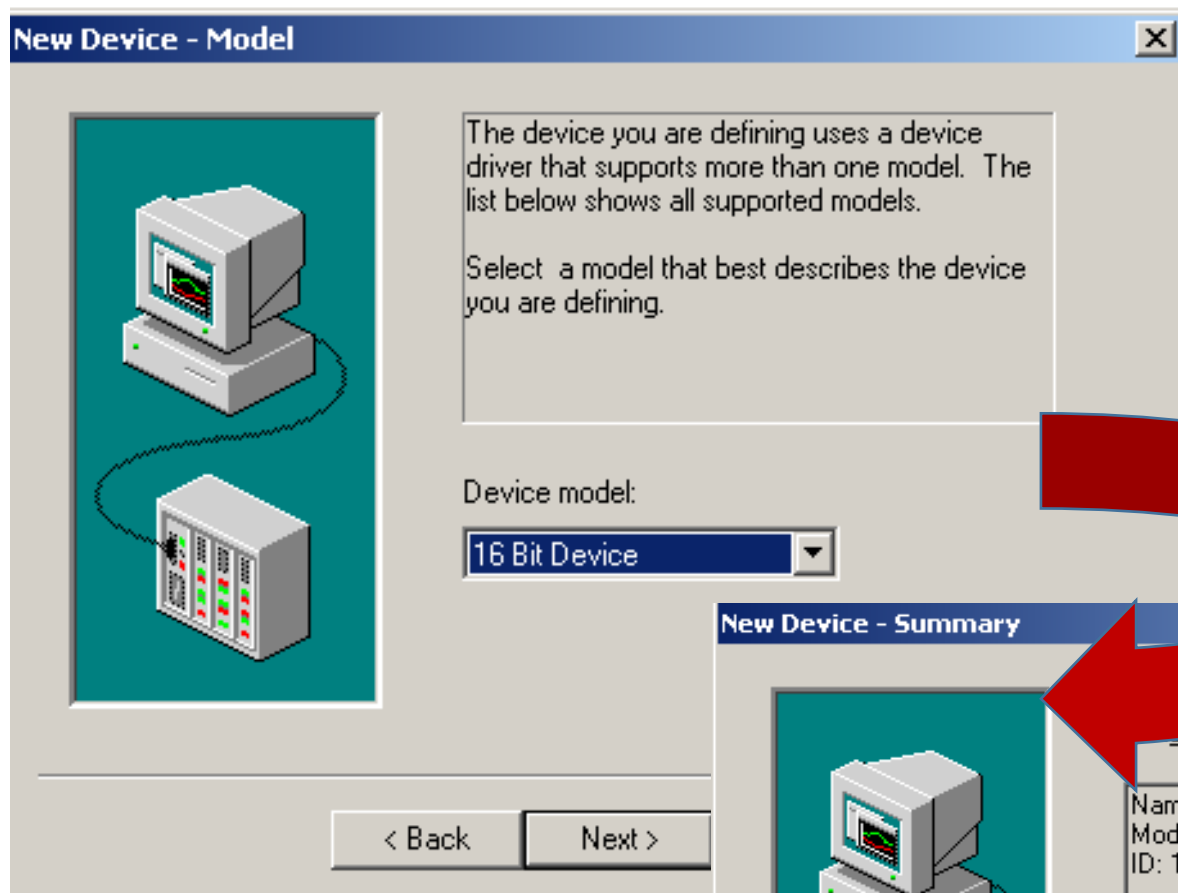
- ☐ Write all values for all tags
- ☐ Write only latest value for non-boolean tags
- ☒ Write only latest value for all tags

Duty Cycle

Perform  writes for every 1 read

< Back   Next >   Cancel   Help







KEPServerEx - [E:\Program Files\KEPServerEx\projects\simdemo.opf \*]

File Edit View Users Tools Help

Channel1  
Device1

Tag Name	Address	Data Type	Scan Rate	Scaling	Description
Tout	K0013	Double	100	None	
T2	K0009	Double	100	None	

**Tag Properties**

General | Scaling

Identification

Name: G1

Address: K0001

Description:

Data properties

Data type: Double

Client access: Read/Write

Scan rate: 100 milliseconds

☒ Do not allow clients to override data type.

OK Cancel Apply Help

**Tag Properties**

General | Scaling

Identification

Name: G2

Address: K0005

Description:

Data properties

Data type: Double

Client access: Read/Write

Scan rate: 100 milliseconds

☒ Do not allow clients to override data type.

OK Cancel Apply Help

KEPServerEx - [E:\Documents and Settings\Admin\Desktop\Ela\Lab 3\Got\KEP1.opf]

File Edit View Users Tools Help

Channel1  
Device1

Tag Name	Address	Data Type	Scan Rate	Scaling	Description
Tout	K0013	Double	100	None	
T2	K0009	Double	100	None	
G2	K0005	Double	100	None	
G1	K0001	Double	100	None	

Quick Client

KEPServerEx - [E:\Program Files\KEPServerEx\projects\simdemo.opf]

File Edit View Users Tools Help

Channel1  
Device1

Tag Name	Address	Data Type	Scan Rate	Scaling	Description
Tout	K0013	Double	100	None	
T2	K0009	Double	100	None	
G2	K0005	Double	100	None	
G1	K0001	Double	100	None	

OPC Quick Client - Untitled \*

File Edit View Tools Help

KEPware\KEPServerEx.V4  
\_System  
Channel1\_System  
Channel1.Device1  
Channel1.Device1\_System

Item ID	Data Type	Value	Timestamp	Quality	Update Count
Channel1.Device1.G1	Double	300	04:05:37:069	Good	2
Channel1.Device1.G2	Double	700	03:59:51:478	Good	1
Channel1.Device1.T2	Double	20	03:59:51:478	Good	1
Channel1.Device1.Tout	Double	44	04:05:47:033	Good	119

Synchronous Write

Item ID	Current Value	Write Value
Channel1.Device1.G1	300	300
Channel1.Device1.G2	700	
Channel1.Device1.T2	20	
Channel1.Device1.Tout	44	

Date Time Event

01.10.2020	3:59:51	Added 2 items to gr...
01.10.2020	3:59:51	Added group 'Chan...
01.10.2020	3:59:51	Added 4 items to gr...
01.10.2020	3:59:51	Added 4 items to gr...
01.10.2020	4:00:15	Synchronous write ...
01.10.2020	4:03:50	Asynchronous 2.0 ...
01.10.2020	4:03:50	Asynchronous 2.0 ...
01.10.2020	4:03:56	Asynchronous 2.0 ...
01.10.2020	4:03:56	Asynchronous 2.0 ...
01.10.2020	4:05:37	Synchronous write ...

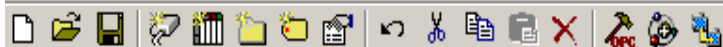
Ready

Item Count: 19

Clients: 2 Active tags: 23 of 23

KEPServerEx - [E:\Program Files\KEPServerEx\projects\simdemo.opl \*]

File Edit View Users Tools Help



Channel1

- Device1

Tag Name	Address	Data Type	Scan Rate	Scaling	Description
Tout	K0013	Double	100	None	
T2	K0009	Double	100	None	
G2	K0005	Double	100	None	
G1	K0001	Double	100	None	

OPC Quick Client - Untitled \*

File Edit View Tools Help



KEPware.KEPServerEx.V4

- \_System
- Channel1.\_System
- Channel1.Device1
- Channel1.Device1.\_System

Item ID	Data Type	Value	Timestamp	Quality	Update Count
Channel1.Device1.G1	Double	300	04:05:37:069	Good	2
Channel1.Device1.G2	Double	700	03:59:51:478	Good	1
Channel1.Device1.T2	Double	20	03:59:51:478	Good	1
Channel1.Device1.Tout	Double	44	04:05:47:033	Good	119

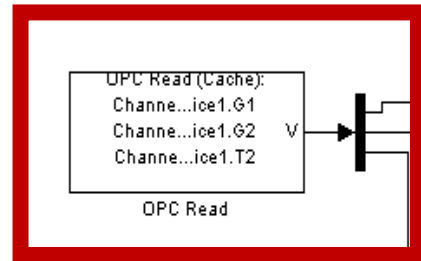
### Synchronous Write

Item ID	Current Value	Write Value
Channel1.Device1.G1	300	300
Channel1.Device1.G2	700	
Channel1.Device1.T2	20	
Channel1.Device1.Tout	44	

OK

Apply

Cancel



### Block Properties: OPC Read

OPC Read block  
Read data from an OPC server. Reads can be synchronous (from the cache or device) or asynchronous (from the device).

The output ports are vectors the same size as the number of items specified in the block. Value is output as a vector of the specified data type. The optional Quality port is a UINT16 vector. The optional Timestamp port is a double vector.

Import from Workspace...

Parameters

Client: localhost/KEPware.KEPServerEx.V4

Configure OPC Clients...

Item IDs

- Channel1.Device1.G1
- Channel1.Device1.G2
- Channel1.Device1.T2
- Channel1.Device1.SP

Move up Move down Add Items... Delete

Read mode: Synchronous (cache)

Sample time: 0.5

Value port data type: double

☐ Show quality port

☐ Show timestamp port as:

- ☒ Seconds since st...
- ☐ Serial date number

OK Cancel Help Apply

