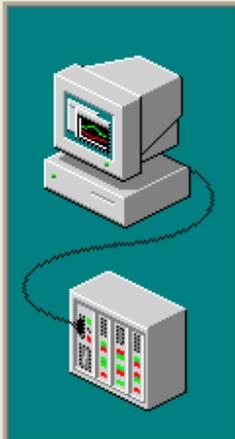


Application Note on:

EQ7000EDH+ with IGS using Allen Bradley Ethernet driver.
In this example we are reading 10 words from integer file 7 starting at word 0.

Also reading 5 words from floating file F8 starting at word 0 from the PLC5 on a DH+ node address (25 Octal = 21 decimal) and the EQ7000 IP address is 192.168.2.236

New Channel - Network Interface



This channel is configured to communicate over a network. You can select the network adapter that the driver should use from the list below.

Select 'Default' if you want the operating system to choose the network adapter for you.

Network Adapter:

Default

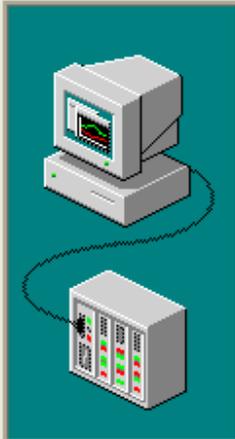
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New Channel - Write Optimizations



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 10 writes for every 1 read

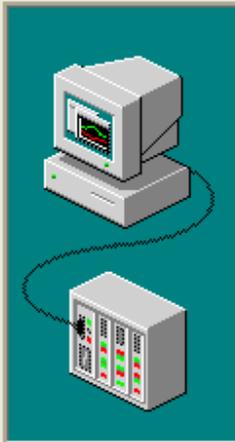
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New Device - Model



The device you are defining uses a device driver that supports more than one model. The list below shows all supported models.

Select a model that best describes the device you are defining.

Device model:

SLC 5/05 Open
SLC 5/05 Open
PLC-5 Family

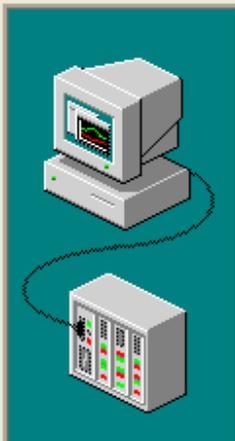
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New Device - ID



The device you are defining may be multidropped as part of a network of devices. In order to communicate with the device, it must be assigned a unique ID.

Your documentation for the device may refer to this as a "Network ID" or "Network Address."

Device ID:

192.168.2.236

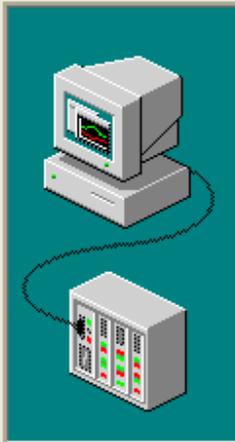
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New Device - Timing



The device you are defining has communications timing parameters that you can configure.

Connect timeout: seconds

Request timeout: milliseconds

Fail after: successive timeouts

Inter-request delay: milliseconds

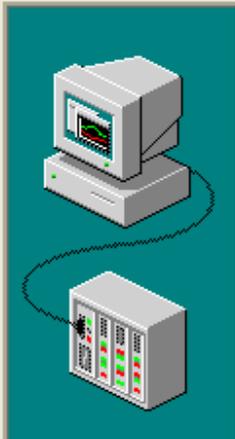
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New Device - Auto-Demotion



You can demote a device for a specific period upon communications failures. During this time no read request (writes if applicable) will be sent to the device. Demoting a failed device will prevent stalling communications with other devices on the channel.

Enable auto device demotion on communication failures

Demote after: successive failures

Demote for: milliseconds

Discard write requests during the demotion period

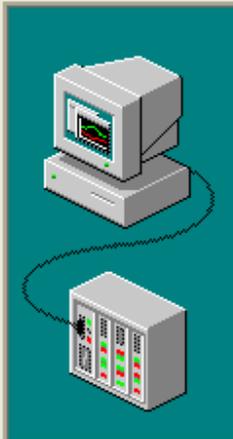
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New Device - Communications Parameters



Set the TCP/IP port number the device is configured to use. The default port is 2222.

Select the ethernet protocol used by the device.

Set the request size in bytes. This determines the maximum number of bytes the driver can request in a transaction.

Port Number:

Protocol:

Request Size: Bytes

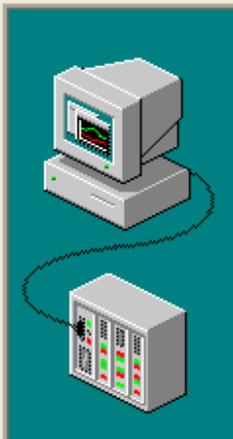
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New Device - Protocol Parameters



For DF1 gateway applications, specify the node address of the destination device in question (e.g. DH+ or DH-485 node).

For non-DF1 gateway applications, enter 0 (Default).

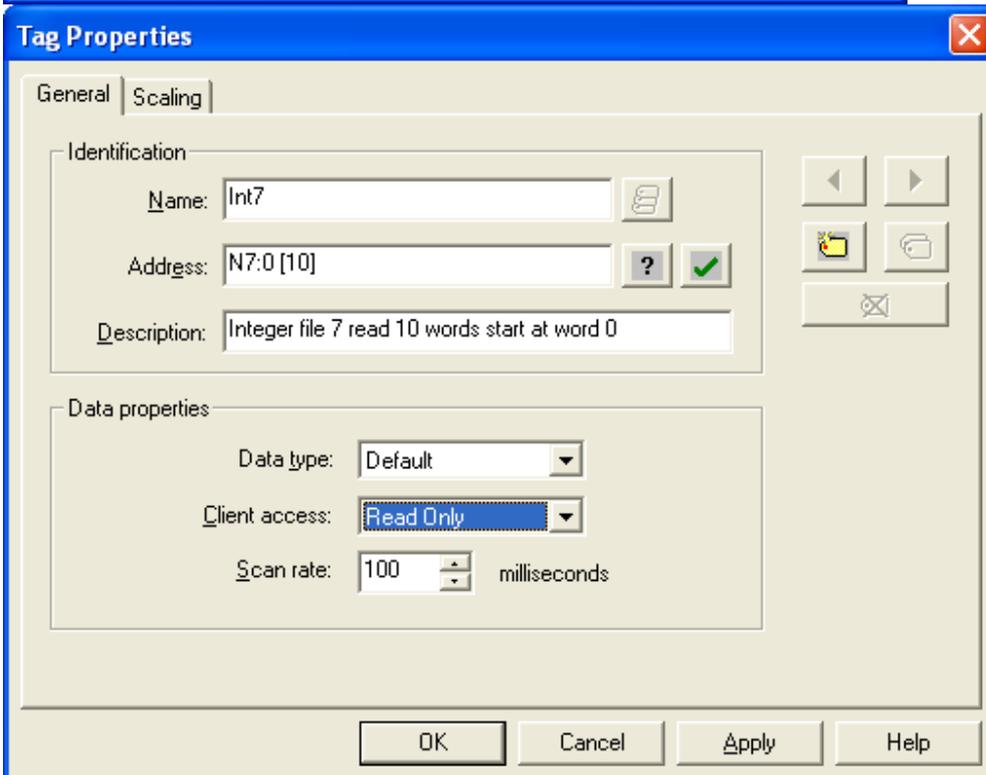
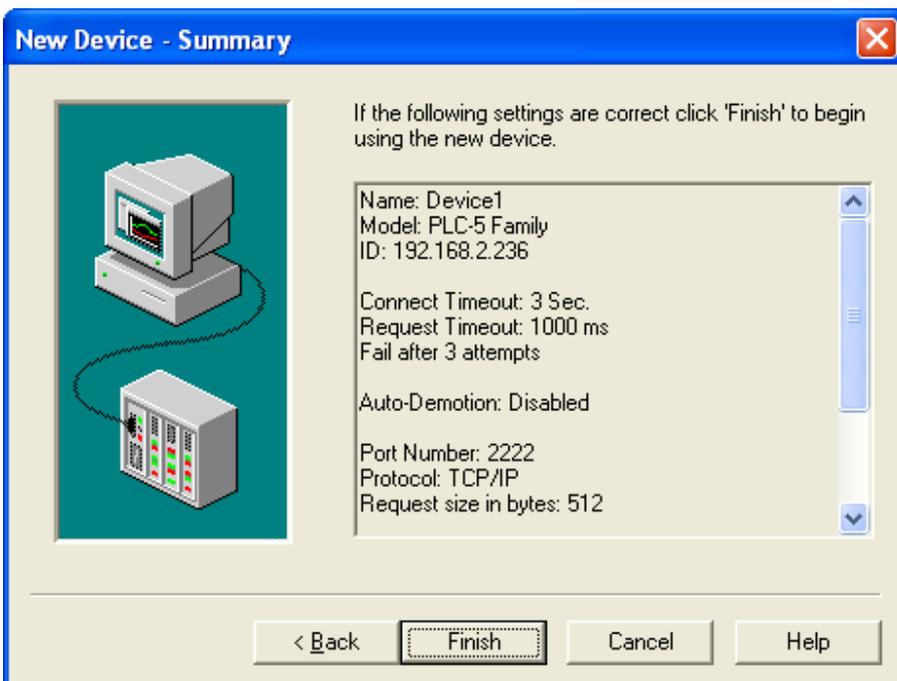
Destination Node Address (DST):

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Tag Properties [Close]

General | Scaling

Identification

Name: [List]

Address: [?] [Check]

Description:

Data properties

Data type: [Down]

Client access: [Down]

Scan rate: [Up] [Down] milliseconds

[Left] [Right]

[Copy] [Paste]

[Close]

OK Cancel Apply Help

Tag Properties [Close]

General | Scaling

Identification

Name: [List]

Address: [?] [Check]

Description:

Data properties

Data type: [Down]

Client access: [Down]

Scan rate: [Up] [Down] milliseconds

[Left] [Right]

[Copy] [Paste]

[Close]

OK Cancel Apply Help

Tag Properties

General | **Scaling**

Identification

Name: 

Address:  

Description: 

Data properties

Data type: 

Client access: 

Scan rate:  milliseconds

OK Cancel **Apply** Help

OPC Quick Client - Untitled *

File Edit View Tools Help

Intellution.IntellutionGatewayOPCServ

Item ID	Data Type	Value	Timestamp	Quality	Update Count
Channel1._Statistics._FailedReads	DWord	0	14:48:52:375	Good	2
Channel1._Statistics._FailedWrites	DWord	0	14:48:52:375	Good	2
Channel1._Statistics._Reset	Boolean	0	14:48:52:375	Good	2
Channel1._Statistics._RxBytes	DWord	11340	14:49:17:578	Good	201
Channel1._Statistics._SuccessfulReads	DWord	202	14:49:17:578	Good	201
Channel1._Statistics._SuccessfulWrites	DWord	0	14:48:52:375	Good	2
Channel1._Statistics._TxBytes	DWord	9163	14:49:17:578	Good	201

Date	Time	Event
3/18/2013	2:48:52 PM	Connected to server 'Intellution.IntellutionGatewayOPCServer'.
3/18/2013	2:48:52 PM	Added group '_System' to 'Intellution.IntellutionGatewayOPCServer'.
3/18/2013	2:48:52 PM	Added 18 items to group '_System'.
3/18/2013	2:48:52 PM	Added group 'Channel1._Statistics' to 'Intellution.IntellutionGatewayOPCServer'.
3/18/2013	2:48:52 PM	Added group 'Channel1._System' to 'Intellution.IntellutionGatewayOPCServer'.
3/18/2013	2:48:52 PM	Added 7 items to group 'Channel1._Statistics'.
3/18/2013	2:48:52 PM	Added group 'Channel1.Device1._System' to 'Intellution.IntellutionGatewayOPCServer'.
3/18/2013	2:48:52 PM	Added 4 items to group 'Channel1._System'.
3/18/2013	2:48:52 PM	Added group 'Channel1.Device1' to 'Intellution.IntellutionGatewayOPCServer'.
3/18/2013	2:48:52 PM	Added 13 items to group 'Channel1.Device1._System'.
3/18/2013	2:48:52 PM	Added 2 items to group 'Channel1.Device1'.

Ready Item Count: 44

OPC Quick Client - Untitled *

File Edit View Tools Help

Intellution.IntellutionGatewayOPCServ

- _System
- Channel1._Statistics
- Channel1._System
- Channel1.Device1**
- Channel1.Device1._System

Item ID	Data Type	Value	Timestamp	Quality	Update Co
Channel1.Device1.Float	Float Array	[293752, 587503, 881255, 1.17501E+006, 1.46876E+006]	14:48:52:484	Good	1
Channel1.Device1.Int7	Word Array	[1945, 3890, 5835, 1945, 1945, 1945, 1945, 1945, 1945]	14:48:52:578	Good	1

Date	Time	Event
3/18/2013	2:48:52 PM	Connected to server 'Intellution.IntellutionGatewayOPCServer'.
3/18/2013	2:48:52 PM	Added group '_System' to 'Intellution.IntellutionGatewayOPCServer'.
3/18/2013	2:48:52 PM	Added 18 items to group '_System'.
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3/18/2013	2:48:52 PM	Added group 'Channel1.Device1._System' to 'Intellution.IntellutionGatewayOPCServer'.
3/18/2013	2:48:52 PM	Added 4 items to group 'Channel1._System'.
3/18/2013	2:48:52 PM	Added group 'Channel1.Device1' to 'Intellution.IntellutionGatewayOPCServer'.
3/18/2013	2:48:52 PM	Added 13 items to group 'Channel1.Device1._System'.
3/18/2013	2:48:52 PM	Added 2 items to group 'Channel1.Device1'.

Ready Item Count: 44