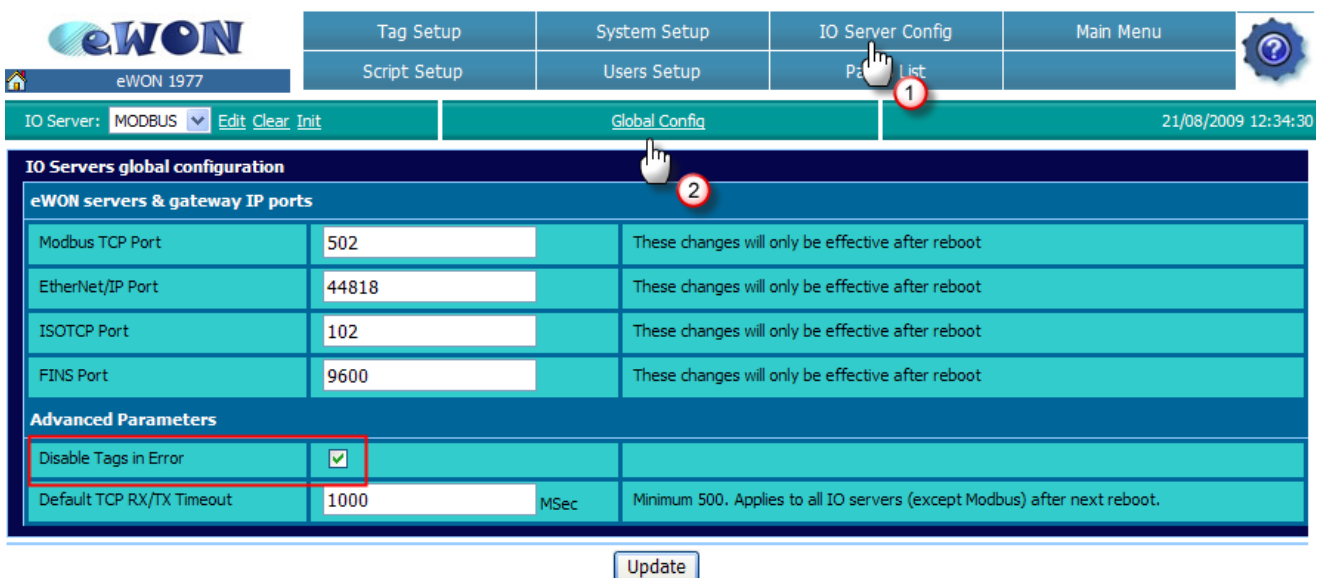


How to disable tags in error

During polling, a single tag in error (truly bad) can cause a number of other (good) tags to appear in error as well because, for communication optimization purposes, tag requests and responses are grouped in one single envelope. The whole group is then affected with the same error status.

During commissioning or maintenance, you may want to isolate the truly bad tag from the others.

Therefore, you have to disable the polling of tags in error. This can be done in the IO Server > Global Config parameters as shown below:



The screenshot shows the eWON web interface. At the top, there is a navigation menu with 'Tag Setup', 'System Setup', 'IO Server Config', and 'Main Menu'. Below this, there is a sub-menu with 'Script Setup', 'Users Setup', 'Parameters List', and a gear icon. The 'IO Server Config' menu item is highlighted with a red circle and the number 1. Below the navigation, there is a header bar with 'IO Server: MODBUS', 'Edit', 'Clear', 'Init', 'Global Config', and a date/time stamp '21/08/2009 12:34:30'. The main content area is titled 'IO Servers global configuration' and contains a table for 'eWON servers & gateway IP ports' and 'Advanced Parameters'. The 'Advanced Parameters' section has a table with the following rows:

Advanced Parameters		
Disable Tags in Error	<input checked="" type="checkbox"/>	
Default TCP RX/TX Timeout	1000	MSec Minimum 500. Applies to all IO servers (except Modbus) after next reboot.

The 'Disable Tags in Error' checkbox is highlighted with a red box and a hand cursor points to it, with a red circle and the number 2. Below the table is an 'Update' button.

The relevant tag will no longer be polled and it will no longer be included in a group (and hence it will not affect other tags).

At the creation of the Tags or at the initialisation of an IOserver, all tags are considered as valid and are polled.

If repetitive errors occur on some Tags, these tags will be considered as invalid and will not be polled anymore !

A specific error message will be written in the event log.

This message is "Protocol Error while reading Tag (IOserver - TagName - Polling disabled for this tag)" (see example in figure below)

Event log			
Event Class: Rep		All Events	Trace
		20	Update
<< Previous Page		Next Page >>	
Time	Event	Description	Originator
21/08/2009 14:25:47	26826	stdios-Protocol Error reading Tag (S73&400 - Tank1_Level - Polling disabled for this tag)	s74srv
21/08/2009 14:25:47	-31403	S74srv-Error in read subrequest response (Error:10 Req Addr:DB 124 103 - 1)	s74srv
21/08/2009 14:25:45	-31403	S74srv-Error in read subrequest response (Error:10 Req Addr:DB 124 103 - 1)	s74srv

Invalid tags will be polled again when:

- the IOserver is started (i.e.: after a IOserver modification)
- a manual INIT of the IOserver is operated using the "Init" link next to the IOserver selection box
- a modification of the Tag (in the I/O Server Setup part of Tag Setup)

Remind yourself to uncheck the "Disable Tags in Error" box, as soon as you have completed your commissioning or maintenance task.



Revision

Revision History

Revision Level	Date	Description
1.0	25/01/2012	Creation of document

Document build number: 25

Note concerning the warranty and the rights of ownership:

The information contained in this document is subject to modification without notice. Check <http://wiki.ewon.biz> for the latest documents releases.

The vendor and the authors of this manual are not liable for the errors it may contain, nor for their eventual consequences.

No liability or warranty, explicit or implicit, is made concerning the quality, the accuracy and the correctness of the information contained in this document. In no case the manufacturer's responsibility could be called for direct, indirect, accidental or other damage occurring from any defect of the product or errors coming from this document.

The product names are mentioned in this manual for information purposes only. The trade marks and the product names or marks contained in this document are the property of their respective owners.

This document contains materials protected by the International Copyright Laws. All reproduction rights are reserved. No part of this handbook can be reproduced, transmitted or copied in any way without written consent from the manufacturer and/or the authors of this handbook.

eWON sa, Member of ACT'L Group