

WEB-PLC V5.04 - Known Bugs

Component: WEB-PLC - Editor (9 matches)

Ticket	Summary	Description	Workaround
#415	Editor indicates communication errors while LifeView is active	When a complex diagram is running and the LifeView is active, the WEB-PLC editor indicates communication errors through a symbol in the menu bar. The icon shortly appears from time to time and then disappears.	
#715	Timer switching with wrong interval if Clk output port is negated	If the Clk output port of a timer unit is negated, the timer will ignore the given interval and switch the port at maximum speed.	
#776	Error on saving/loading of diagram	When saving or loading the diagram in the editor, sometimes the error message "JSON: Illegal character code." is shown.	
#1003	Editor catches the delete key even if a dialog is open	The WEB-PLC editor catches the delete key and thus deletes the selected element even if a dialog is open and the key is pressed inside this dialog.	
#1005	Counter units overflow port only set for one cycle	The Overflow port of the counter unit is only set for one PLC cycle in case of an overflow. The documentation states that it will be set until the counter value changes the next time.	
#1034	Diagram stopped after update with new I/O drivers	After the WEB-PLC has been updated to a new version that introduced new I/O drivers (Modbus Master in V4.11, CODESYS network variables in V5.04, Modbus Slave in V8.1.2), the diagram is stopped due to changes in the I/O configuration. The WEB-PLC should recognise that the new I/O configuration is a superset of the	The diagram must be converted, saved and started through the editor.

		previous one and start the diagram.	
#1042	Diagram stopped after update with configurable data type for Modbus Client/Master values	Diagrams that were created before the data type was configurable for Modbus Client/Master values (< V5.04, see #171), will not be started, because the WEB-PLC will falsely detect a change in the I/O configuration.	The diagram must be converted, saved and started through the editor.
#1063	Diagram cannot be saved when edited with zoom	When the diagram has been edited while the zoom feature of the web browser was used, it may not be possible to save the diagram. The error message "JSON: This is a floating point number." will be shown. The problem has been observed in Microsoft Internet Explorer 11.	
#1316	Modbus TCP Client: No more requests after Modbus exception	If the Modbus TCP Server returns a Modbus exception (e.g. illegal data address) on a request from the Client, the Client will not send any more requests to this during the current cycle. In the next cycle it will start with the very first request. If the Client for example tries to request an illegal data address, the Server will always return an exception and further requests will never be sent.	

Component: WEB-PLC - General (19 matches)

Ticket	Summary	Description	Workaround
#419	Cellular network disconnect not recognised	When the cellular modem driver has registered to the mobile network but does not establish a data connection, loss of network connectivity is not recognised.	
#431	Memory leak in OpenVPN	OpenVPN consumes memory when keys are re-negotiated. Stopping the OpenVPN driver releases the memory.	Avoid lengthy VPN connections.
#501	Signed 32-bit integer values parsed as unsigned 32-bit	Signed 32-bit integer values are parsed as unsigned 32-bit integer values from received messages.	

	integer values from received messages		
#589	Cellular modem driver's "Data connection broken" message shows wrong values	When the cellular modem driver emits the message "Data connection broken...", the values for the DCD pin and the PPP status may be wrong.	
#590	Cellular modem driver may hang if the modem hangs while receiving a short message	If the cellular modem hangs and does not reply any more while the cellular modem driver tries to receive a short message, the cellular modem driver may hang, too. The modem will not be restarted in this case.	
#599	Restore default OpenVPN configuration on factory reset	The factory reset deletes the OpenVPN configuration. Instead it should restore the default configuration.	
#708	Show OpenVPN information on portal even if connection cannot be controlled through portal	Information on the OpenVPN connection should be shown on the com.tom PORTAL even if controlling the OpenVPN connection through the portal is not allowed.	
#709	OpenVPN server with port number >32767 does not work	The OpenVPN does not work with servers that use a port number higher than 32767. The message "OpenVPN Driver: Options error: Bad port number: <port number>" is logged.	
#738	Factory settings not updated correctly	<p>The WEB-PLC evaluates the type of update packages wrongly. Two things can happen:</p> <ol style="list-style-type: none"> 1. When an update package is applied, the factory settings will not be updated. So when a factory reset is performed, the settings may be wrong. This may also apply to internal settings that are not visible on the settings website, but are still important for the correct 	

		<p>functioning of the WEB-PLC.</p> <p>2. When a configuration package is applied, also the factory settings will be updated. So when a factory reset is performed, it will not reset to the factory settings but to the settings from the previous configuration package.</p>	
#754	Wrong portal paths for Modbus master	The Modbus master driver generates the portal paths for values wrongly. The numbering should re-start at 0 with every new device, but it doesn't.	
#792	Floating point values are cut on home page	On the home page when floating point values from an I/O driver are displayed, the decimal places of these values are cut.	
#837	OpenVPN server with port number >32767 still does not work	<p>The OpenVPN does not work with servers that use a port number higher than 32767. The message "OpenVPN Driver: Options error: Bad port number: <port number>" is logged.</p> <p>This issue was already described in ticket #709, but the fix for this ticket was not effective.</p>	
#922	No update package can be loaded after an invalid package had been loaded	When an invalid update package has been loaded to the WEB-PLC (either through the local website or through the portal) no further package can be loaded through the same channel afterwards.	Reboot the device.
#1024	Both RTC and SNTP are queried	The system time manager always queries the RTC and SNTP servers when both are available and enabled. However if the clock can be synchronised to an SNTP server, the RTC should not be queried before.	
#1025	Problems with 32 GB SDHC cards	The SDHC card driver has problems with 32 GB cards. The size is calculated wrongly, which may lead to access failures.	
#1067	Cannot receive	The WEB-PLC cannot receive short	

	short messages from self	messages that it has sent itself. These messages may also block other messages. This problem may be limited to certain networks.	
#1068	Cannot receive multi-line short messages	The WEB-PLC cannot process received multi-line short messages. There are two special cases: If the second line contains only the word OK or the second line is empty and the third line contains only the word OK, only the first line will be processed.	
#1189	Update package and log file deleted on error	The update launcher deletes the log file and the update package file in case of an error during installation of the update package. The log file should not be deleted. The update package should not be deleted, if the update was triggered through the com.tom's reset button.	
#1402	IEC 60870-5-104 Server: "Transmission cause false" after Counter interrogation command	If the IEC 60870-5-104 Server has the types "15 Integrated Totals" and "37 Integrated totals with time tag" and receives a "101 = Counter interrogation command" with "Qualifier of interrogation" = 5 (General counter interrogation), it answers with Cause of transmission 0. Additionally the type 37 is transmitted as type 15.	

Component: WEB-PLC - Run Time System (18 matches)

Ticket	Summary	Description	Workaround
#360	CODESYS network variable and Meter driver crash if many values are defined	The CODESYS network variable driver and the meter driver may crash with unpredictable results, if a lot of values are defined. The limit for the CODESYS network variable driver is approx. 240 values. The limit for the meter driver is approx. 260 values.	
#464	CODESYS NetVars floating point numbers bug	Messages that contain floating point numbers (either REAL or LREAL) are not correctly accessed if they contain a	

		valid float or double value.	
#576	IEC 60870-5-104 has 100% CPU load without a StartDT	If no StartDT (start data transfer) is sent by the IEC 60870-5-104 client after a connection establishment, the IEC 60870-5-104 server driver has 100% CPU load.	
#577	IEC 60870-5-104 server does not send Test Frames	The IEC 60870-5-104 server does not send Test Frames.	
#598	IEC 60870-5-104 server driver shows wrong error codes	The IEC 60870-5-104 server driver shows wrong error codes when adding error messages to the event log.	
#651	Crash due to floating point values	The WEB-PLC crashes when too large floating point values (e.g. coming from the Modbus driver) are converted to 32-bit integer values for the PLC run-time.	
#665	IEC 60870-5-104 server driver allows too many values	When the IEC 60870-5-104 server driver checks the global I/O limit, it counts each configured value as one input or output ignoring the range.	
#670	Modbus RTU "with RS 232 CTS/RTS flow control" blocks	Modbus RTU "with RS 232 CTS/RTS flow control" blocks without a connected device.	
#684	IEC 60870-5-104: Send-Sequence-Number of I-Frames sometimes repeats	The Send-Sequence-Number of I-Frames sent by the IEC 60870-5-104 server on the device must always be incremented by 1. Sometimes it jumps back to an already used number, when an S-Frame by the client contains a lower Receive-Sequence-Number than the current Send-Sequence-Number on the server.	
#689	IEC 60870-5-104: Server only accepts S-Frames for acknowledgement	Server closes connection when there is no Supervisory frame AND k is reached AND some (unknown) combination of the timeouts is reached. The server expects a supervisory frame (S-Frame) as an acknowledgement for the sent data (I-Frames). This is wrong. The server should also accept I-Frames	

		with the contained Receive-Sequence-Number as an acknowledgement. The acknowledgement of sent data only depends on the Receive-Sequence-Number.	
#690	IEC 60870-5-104: Slow response upon many fast commands	The IEC 60870-5-104 stack responses slowly when it receives many commands in a short time.	
#889	IEC 60870-5-104: Four years added to time tags before 2000-01-01T00:00:00	If a value is transmitted with a time tag before 2000-01-01T00:00:00, four years are added to the time tag.	
#1054	Unknown quality and timestamp 0 on portal for CODESYS network variable inputs	When input values from the CODESYS network variable driver are transmitted to the portal, the quality will be unknown and the timestamp will be zero if the corresponding CODESYS network variables list is not transmitted with checksum.	
#1059	IEC 60870-5-104 server driver: Wrong assignment of portal qualities	The IEC 60870-5-104 server driver does not update the quality of the data points for its input values on the portal. Instead it writes the corresponding qualities to the points for its output value.	
#1076	CODESYS network variable handles DINT dataType as signed long.	The CODESYS network variable DINT dataType is defined as unsigned long, but the driver handles it incorrectly as a signed long.	
#1102	Modbus: 64-bit floating point values may be set to 0	When transmitting 64-bit floating point values as registers through the Modbus Client/Master or Server/Slave driver, the values might be set to 0.	
#1289	Digital outputs on com.tom M-BUS cannot switch faster than once every second	The digital outputs of com.tom M-BUS devices (EXT03) cannot switch faster than once every second. If you try to switch them faster than this, they will not switch at all. If you try to switch them only slightly slower they may switch or not.	

#1320	Cannot handle certain old Modbus configurations	The Modbus Master/Client driver cannot handle certain configurations from before version 5.04. It is necessary to convert and start the diagram. Back then the data type of a value could not be configured. The current Modbus driver can only handle these old configurations if the implicit data type of all values is 32-bit signed integer.
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Component: WEB-PLC - Settings Website (25 matches)

Ticket	Summary	Description	Workaround
#421	Meter settings not validated on scan	The Meter settings are not validated before scanning. It is possible to start a scan with an invalid maximum number of values per device.	
#422	OpenVPN file upload shows no error when no file has been selected	The OpenVPN certificate file upload dialog shows a success message when no file has been selected for upload.	
#425	Duplicate MAC and IP addresses not checked in DHCP server settings	The DHCP server settings form does not check that no IP or MAC address is used twice.	
#427	Duplicate ports not checked in NAT settings	The NAT settings form does not check that no external port is used twice.	
#437	False update progress indication on website	When performing an update through the local website, the progress indication shows false values while programming the update.	
#442	Upload password not exported	When the login data is exported on one com.tom and the resulting CUP file is applied to another com.tom, the password for file upload (which is normally kept in synch with the normal website password) is not changed. Thus you will be asked for another password when you try to upload a file.	
#443	CODESYS NetVars	When setting up a "read" variable list,	This can be bypassed by running the following javascript code after

	read list cannot be saved	the settings cannot be saved. The message "JSON: This is not a number" is shown.	setting up the list. Create a new bookmark in your browser and store the following code in the address field. Remove all line breaks. <pre>javascript:x%20=%20dijit.byId('nodeCoDeSysNetVar'); %20x._store.fetch({%20query:%20{%20isList:%20true%20}, %20onItem:%20dojo.hitch(this,%20dojo.hitch(function(listItem) %20{%20if(x._store.getValue(listItem,%20'isOutput')%20==%200) %20{%20x._store.setValue(listItem,%20'checksum',%200); %20x._store.setValue(listItem,%20'acknowl',%200);%20}%20})%20});</pre>
#444	CODESYS NetVars with lower-case data type not accepted	CODESYS NetVars can not parse lists that contain variables with data types written in lower-case letters.	
#510	Gateway only valid for Ethernet (0) interface	The gateway IP address that can be configured through the network settings form is only valid for the Ethernet (0) interface.	
#653	'Swap words' checkbox in Modbus Master value dialog not correctly enabled/disabled	In the value dialog of the Modbus Master configuration form, the 'Swap words' checkbox is not correctly enabled and disabled depending on the selected data type.	
#672	IEC 60870-5-104: "Maximum ADPU Size" must be limited to 253	The parameter "Maximum ADPU Size" must be limited to 253 instead of 255.	
#679	Cancelling an "Edit List" dialog in the CODESYS NetVars does not delete the entry from the grid.	Cancelling an "Edit List" dialog in the CODESYS NetVars does not delete the entry from the grid. This results in the grid containing a variables list with illegal settings. See #678	
#681	Grid "expand" button disappears after deleting an item CODESYS NetVars settings page	The grid "expand" button (+) disappears when a "Edit List" dialog has been canceled (see #678) and an item on the grid is deleted.	
#695	CODESYS network variables configuration not	The export functionality of the WEB-PLC does not export the configuration of the CODESYS network variable driver.	

	exported	
#704	@CHIPTOOL messages shown in event log	Sometimes the event log contains messages that look similar to the output of the @CHIPTOOL (IP addresses, device names etc.)
#707	Meter list not exported	The meter device list is not exported when with the meter configuration. Instead the IEC 60870-5-104 value list is included in the generated update package.
#1053	Dialogs have fields marked erroneous initially	When input fields in a dialog are marked red due to illegal input values and the dialog is cancelled, the next time the same dialog will be opened the fields will still be marked red although the illegal values are not present any more.
#1104	Modbus Client/Master: 64 devices can be configured but only 32 are allowed	The configuration form of the Modbus Client/Master driver allows to configure 64 devices although only 32 are allowed. Storing the configuration will fail.
#1282	I/O references should be ignored in receive message templates	It is not possible to add I/O references to receive messages templates through the menu. However it is possible to manually write a reference to the template. This reference should be ignored. It should be treated as plain text. Instead the reference is evaluated and inputs and outputs can be directly modified through receive messages.
#1294	Modbus Master: Check of maximum values on edit value	The check of the maximum allowed values including scalar and array values does not show an error message, when a value is edited and it does not change from input to output or vice versa.
#1300	Modbus Slave: Cannot save RTU settings if TCP settings are wrong	Cannot save RTU settings if TCP settings are wrong, although these settings are mutually exclusive.

#1327	Cannot send percentage sign in messages	It is not possible to include a percentage sign in a send message template, because it is interpreted as the start of a reference.	
#1344	IEC 60870-5-104 Server: Edit value does not recalculate sum of array elements	The Edit value dialog does not recalculate sum of array elements. If the maximum is reached by adding values and then one value is edited and the range (array elements) is reduced, it is still not possible to add new values.	
#1348	Help does not work when other site opened in help window	When the help button is clicked on the WEB-PLC's website, a new window/tab is opened for the online help website. If one of the other websites is opened in this window/tab, the help button will not work anymore.	
#1396	CODESYS Network Variables: Missing comma after the name of the list	There is a comma missing after the name of the list, if the list has a name. The "Unnamed list" has a comma.	