

## WEB-PLC V7.4.0 - 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.	
#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.	
#860	OpenVPN Unit does not update its outputs	The UnitOpenVPN does not update its outputs. The OpenVPN connection is correctly initiated.	
#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 previous one and start the diagram.	The diagram must be converted, saved and started through the editor.
#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 <a href="#">#171</a> ), 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** (24 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.	
#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.	
#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"> <li>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 functioning of the WEB-PLC.</li> <li>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.</li> </ol>	
#754	Wrong portal	The Modbus master driver generates the portal paths for values wrongly. The numbering	

	paths for Modbus master	should re-start at 0 with every new device, but it doesn't.	
<b>#792</b>	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.	
<b>#837</b>	OpenVPN server with port number >32767 still 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.  This issue was already described in ticket <b>#709</b> , but the fix for this ticket was not effective.	
<b>#851</b>	Ensure that each Event Log Message is transmitted to Portal	With the current implementation of the Portal Event Log there is a possibility that some events are never transmitted to the portal.	
<b>#861</b>	Time synchronisation with Kolibri Broker calculates round-trip time wrongly	When the current date and time is requested from the Kolibri Broker, the com.tom measures the round-trip time of the request in order to estimate the time that has passed since the Broker sampled the date and time. The round-trip time is multiplied with 1000 so that the clock will be fast.	
<b>#908</b>	Empty configuration packages are invalid	If you export the configuration of the WEB-PLC to a CUP file, but do not select any group of configurations, the generated CUP file is invalid.	
<b>#922</b>	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.
<b>#964</b>	I/O data type not updated on portal	If the data type of an existing I/O changes, the data type of the corresponding portal node is not updated.	Remove the I/O so that the corresponding portal node will be deleted and then re-create it with the new data type. The portal node will be re-created with the correct data type.
<b>#977</b>	Portal nodes of	If a value is an array its underlying values should have an empty description field, instead	

	I/O arrays elements have a wrong description	they use the device description field.	
<b>#984</b>	Interface for Ininet MicroBrowser treats Signed 16 bit values as Unsigned.	The com.tom library's interface for IniNet Solutions' MicroBrowser handles the Signed 16 bit values as Unsigned.	
<b>#1024</b>	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.	
<b>#1025</b>	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.	
<b>#1030</b>	Portal communication stops when a lot of data is pending	When a lot of data is pending to be transmitted to the portal, sending the data may fail and the connection to the portal will be closed. When the connection is re-established, the same will happen. Portal communication will be completely blocked.	Rebooting the device will probably help, if the pending data has summed up due to longer communication loss. Note that data will be lost in this case.
<b>#1060</b>	Messages cannot be sent and received after a restart	Messages generally only work when the diagram has just been saved and started. After the device has been restarted, messages cease to work.	
<b>#1067</b>	Cannot receive short messages from self	The WEB-PLC cannot receive short messages that it has sent itself. These messages may also block other messages. This problem may be limited to certain networks.	
<b>#1068</b>	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.	
<b>#1079</b>	Portal: Drivers with Boolean Values trigger node creation or modification errors.	A Boolean Value Portal Node can't have the ScalingFactor or ScalingOffset properties. Currently the I/O Portal synchronisation module does not check the dataType of the node to be created and may cause a "Could not create node." or a "Could not modify node" error.	
<b>#1189</b>	Update package and	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	

	log file deleted on error	package should not be deleted, if the update was triggered through the com.tom's reset button.	
<b>#1215</b>	Portal: No valid point state for points with trigger mode 5 (domain trigger)	If a data point has the domain trigger mode (5) configured on the portal, the WEB-PLC will transmit a zero value (quality invalid, timestamp 1970-01-01 00:00:00) to the portal when the corresponding domain triggers.	
<b>#1402</b>	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 (19 matches)

Ticket	Summary	Description	Workaround
<b>#360</b>	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.	
<b>#651</b>	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.	
<b>#752</b>	Invalid quality and timestamp for portal variables	The WEB-PLC transmits invalid quality and timestamp to the portal for its portal variables.	
<b>#788</b>	Qualities and timestamps assigned to wrong elements	The WEB-PLC run-time system assigns qualities and timestamps to the wrong elements if there are any array inputs/outputs.	
<b>#830</b>	Deactivate SNMP client in IEC 61850 driver	The IEC 61850 driver should not implement another SNMP client.	

<b>#855</b>	NBTNS does not work	The com.tom's hostname cannot be resolved through NBTNS any more.	
<b>#889</b>	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.	
<b>#906</b>	Too many Event Log messages about a failing supervision URL	There are too many Event Log messages about a failing supervision URL.	
<b>#913</b>	Messages: I/O or variable value may be cut at end of message	When messages become too long, they will be cut. However they should not be cut in a way that I/O or variable values are included partly. This could lead to confusion. If the message becomes too long, it must be cut before any value that does not fit.	
<b>#1046</b>	IEC 61850: Client only reads one item from server on each polling cycle	In the client role enabling the "Poll data from servers" check box should read all readable items on connected servers but only one item is read on each cycle.	
<b>#1054</b>	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.	
<b>#1059</b>	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.	
<b>#1076</b>	CODESYS network variable handles DINT dataType as	The CODESYS network variable DINT dataType is defined as unsigned long, but the driver handles it incorrectly as a signed long.	

	signed long.		
<b>#1083</b>	Modbus Server/Slave input qualities and timestamps invalid	Modbus Server/Slave input values that are written by the Client/Master as Coils may have invalid qualities and timestamps.	
<b>#1102</b>	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.	
<b>#1202</b>	Retentive variables not invalidated on configuration change	When the configuration of the variables changes, the retained values of retentive variables are not invalidated. All retentive variables should be set to zero.	
<b>#1208</b>	Modbus Client: Qualities and timestamps shifted if not connected to server	If the Modbus TCP client loses the connection to a certain server, the input qualities and timestamps of subsequent servers are assigned to the values of this server, shifting the qualities and timestamps of all following servers. If there is for example one server with two input values and another one with four input values and the connection to the first server is lost, the qualities and timestamps of the first two values of the second server will be assigned to the values of the first server, the qualities and timestamps of the last two values of the second server will be assigned to the first to values of the second server and the qualities and timestamps of the last two values of the second server will not be updated at all.	
<b>#1289</b>	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.	
<b>#1320</b>	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.	

**Component: WEB-PLC - Settings Website** (28 matches)

Ticket	Summary	Description	Workaround
<b>#421</b>	Meter settings not validated	The Meter settings are not validated before scanning. It is possible to start a scan with an invalid maximum number of values per device.	

	on scan		
<b>#422</b>	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.	
<b>#425</b>	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.	
<b>#427</b>	Duplicate ports not checked in NAT settings	The NAT settings form does not check that no external port is used twice.	
<b>#437</b>	False update progress indication on website	When performing an update through the local website, the progress indication shows false values while programming the update.	
<b>#510</b>	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.	
<b>#672</b>	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.	
<b>#704</b>	@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.)	
<b>#751</b>	Portal keep-alive interval from 1 to 14 accepted	The form for the portal settings accepts keep-alive intervals from 1 to 14 seconds although only the value 0 and values from 15 to 3600 should be accepted. The invalid values are corrected to 15 internally.	
<b>#772</b>	Scope and user name can contain underscore and period characters in	In the portal settings it should be allowed to include underscores and periods in the scope and user name fields. Note that neither the scope nor the user name must start or end with an underscore or period.	



	characters in portal settings		
<b>#781</b>	Update via local website shows communication error while extracting update package	When performing an update via the local website a communication error ("Timeout exceeded") may be indicated while the update package is being extracted.	Wait some minutes. After the update package has been extracted, the error message will disappear and the progress will be indicated while programming the update package.
<b>#826</b>	IEC 61850 configuration form may store inconsistent configuration	The configuration form of the IEC 61850 interface may store an inconsistent configuration. If the upload of the SCL file fails, the interface will not show an error message and still store other parts of the configuration. The inconsistent configuration will prevent the IEC 61850 driver to start.	
<b>#865</b>	IEC 60870-5-104: Correct type 15 integrated Totals M_IT_NA_1	The type 15 integrated Totals M_IT_NA_1 shows "INVALID" in the table. Furthermore it is possible to set unsupported interrogation groups.	
<b>#905</b>	Messages: Umlauts in message text lead to a 500 server error	Umlauts in message text lead to a 500 server error, after clicking the OK button.	
<b>#909</b>	Portal: Several event log messages not correctly linked to help	The following event log messages considering the portal communication are not correctly linked to the help: <ul style="list-style-type: none"> <li>• Invalid sequence number &lt;sequence number&gt;</li> <li>• Write/commit command timeout for point &lt;path&gt;</li> <li>• Could not process get node properties response: Invalid frame length</li> <li>• Could not execute kolibri.getStats() RPC: Error getting statistics (&lt;error code&gt;)</li> </ul>	
<b>#911</b>	Login Tab: Validation of form does not show all errors or too many errors	When entering wrong values in the Login Tab, not all errors are marked after clicking OK.	
<b>#914</b>	Portal configuration	The configuration form for the portal settings accepts the value 0 for the <i>keep-alive interval</i> , which means that the keep-alive mechanism would be disabled. However, disabling the	

	allows to disable keep-alive although this is not possible	keep-alive mechanism is not possible. If the value 0 is entered and the device is rebooted, it will not start correctly, but show the error message "Run Time System: Fatal error: Portal module: Could not set keep alive options. (16)".
#1045	IEC61850: Table with process items occasionally out of sync with tree view selection after uploading server SCL file	When uploading a server SCL file the table with process items may not reflect the selected signals in the SCL file.
#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 fails.
#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	It is not possible to include a percentage sign in a send message template, because it is interpreted as the start of a reference.

	sign in messages		
<b>#1344</b>	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.	
<b>#1347</b>	IEC 60870-5-104 Server/Client: Duplicate names are allowed	IEC 60870-5-104 Server/Client settings website should not allow Duplicate names.	
<b>#1348</b>	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.	
<b>#1396</b>	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.	