

WEB-PLC V10.11.7 - Known Bugs

Komponente: Brandlabel (3 Ergebnisse)

| Ticket | Zusammenfassung | Beschreibung | Workaround |
|--------|--|--|---|
| #2162 | CODESYS network variables: Parsing lists from CODESYS 3.x is not working | The CODESYS network variable list parser cannot parse lists from the 3.x version. But since version 2.7 has the same structure it interprets them as such. This works without issues except if comments are used " ", "*/" "/*" or the dataTypes are declared in lowercase "string etc". The list settings are ingored. | Remove c style comments from the "VAR_GLOBAL" "END_VAR" block. Declare all datatypes in upper case. |
| #2209 | Modbus Slave: Wrong data type when editing first value after loading website | When editing the first Modbus slave value after loading the settings website, the data type shown in the value dialog may be wrong. | Cancel the value dialog and open it another time |
| #2219 | Wrong progress indication while extracting update package | While an update package is being extracted, the progress indication shows a wrong percentage value. | |

Komponente: Editor (7 Ergebnisse)

| Ticket | Zusammenfassung | Beschreibung | Workaround |
|--------|--|---|------------|
| #1096 | Diagrams with many Elements may trigger (500 or 503 http errors) | When a Diagram becomes bigger than the devices webserver size limitation, saving it fails with a 500 or 503 http error. | |

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|--------|--|---|------------|
| #1662 | Numerical units should not support boolean data type | <p>The following units should not support boolean data type:</p> <ul style="list-style-type: none"> • Addition • Compare • Division • Maximum • Minimum • Multiplication • Subtraction | |
| #2022 | Editor: Erroneous information in tooltips for I/O elements | <p>In the editor tooltips appear when hovering over an I/O element providing additional information on the I/O. There are several errors in these tooltips:</p> <ul style="list-style-type: none"> • The data type is only shown for I/O arrays not for plain I/Os. • The data type is labelled 'Value index' instead of 'Data type'. • The data type for string values is shown as 'Invalid Data Type'. | |
| #2118 | Autocomplete selects the first possible option without showing it on the select box. | <p>We assume that we have IOs and Variables, that share partly the same name. i.e. "Variables.var1" and "Variables.var2"</p> <p>After typing the first letter of an existing IO's name on the select box, the auto completion enters the common part of the name. In this case "Variables.var"</p> <p>Then, if the user does not select from the drop down list and clicks anywhere else, the system will assume that the first option on the list is selected BUT WILL NOT COMPLETE THE NAME. In this case, "Variables.var" won't change to "Variables.var1" (we assume that this is first on the list).</p> <p>This selection will pass on the IO mapping list if we hit ok</p> | |
| #2129 | Unpack unit shows wrong output value when PLC not running | Unpack unit shows wrong output value when PLC not running. | |
| #2159 | CODESYS status LED indicates the Config Application State. | The CODESYS run state LED indicates the state of the Config Application. The Help website should document this. | |

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|--------|--|---|------------|
| #2244 | Compare Unit returns equal when difference is greater than maximum of signed integer data type | If the compare unit is used on a signed integer data type and the difference between the two values is greater than the maximum value representable in this data type, the compare unit will falsely set the equal output port. | |

Komponente: General (30 Ergebnisse)

| Ticket | Zusammenfassung | Beschreibung | Workaround |
|--------|---|---|------------|
| #1745 | Portal communication fails if nearly the maximum of I/Os and variables have been defined (step 1) | If a lot of I/Os and variables are defined (near to the maximum), data cannot be exchanged with the portal. Synchronisation of the node structure works, but when the device is started the next time, the CPU is 100 % busy and the device reboots after some time. | |
| #1746 | WEB-PLC unwanted scrolling | If there 's a long list of configuration parameters in the WEB-PLC configuration website (e.g. Modbus configuration), the website will scroll automatically on the selected element while clicking on it. Because of this it 's not possible to edit a parameter by duple click. The problem occurs in Chrome since WEB-PLC V10.0.X | |
| #1927 | Confusing error message when time zone is not using daylight saving times | Some time zones-Countries do not use daylight saving time rules. The error message "Could not read daylight saving time file." is shown in this cases which is misleading. | |
| #1951 | WLAN: Empty SSID, IP address and netmask allowed | The configuration for for WLAN allows the fields SSID, IP address and netmask to be empty. | |
| #1954 | CTI x.MIO12.x.W and CTI x.MIO16.x.W Input and Ouputs not synchronized with the PLC | The CTI x.MIO12.x.W (EXT10 module), the CTI x.MIO16.x.W (EXT08 module) drivers are not fully in sync with the PLC cycle. So a delay of (0-0.5 sec) might occure until values from/to the module are updated. For sc1x3 based comtom the name schema is com.tom x 10.1 and com.tom x 11.1 | |

| Ticket | Zusammenfassung | Beschreibung | Workaround |
|--------|---|---|------------|
| #1958 | Gateway lost when no link at startup | If a static (no DHCP or the like) gateway is configured and the corresponding network interface does not have link at startup, the WEB-PLC will lose the gateway. | |
| #1969 | WLAN: No IP configuration is performed if an access point is not visible on startup | If the configured WLAN access point is not visible or enabled when the WLAN driver starts but becomes visible sometime later during runtime, it is possible that a WLAN connection is established but no IP configuration is performed. | |
| #1974 | Improve open source software documentation | Iptables is missing in the open source software documentation. Also the written intent required by the GPL is missing. | |
| #1981 | Wrong error message when timeout during TCP connect to portal | When a timeout occurs during the TCP connect to the portal, the WEB-PLC will misleadingly log the error message "Portal module: Could not connect: Could not send HTTP request". | |
| #1983 | Modbus RTU Master interval violation at start-up when WLAN is active on SC1x5 | On SC1x5 processor based targets the Modbus RTU Master driver may violate its interval ("Modbus driver: The interval has been violated") at start-up if WLAN is active. | |
| #1997 | Portal: Timestamp of data points triggered through trigger domain not updated | If a data point is triggered for transmission to the portal through a trigger domain, the timestamp is not updated. | |
| #1999 | Modbus TCP Client: Wrong error codes in event log message on connection failure | The error codes shown in the event log message the Modbus TCP Client emits when connecting to a server failed don't match the codes shown in the corresponding help topic. | |
| #2001 | WLAN: Event log messages should look more human readable | The event log messages emitted by the WLAN driver should look more human readable. | |
| #2035 | Update: Packages with empty files cannot be applied | If a update package contains an empty file, it cannot be applied. This may happen for example if you export the OpenVPN configuration with an empty configuration file. | |

| Ticket | Zusammenfassung | Beschreibung | Workaround |
|---------------|--|---|--|
| #2052 | WLAN: Connection loss if access point is shortly not visible | If the access point is not visible after a successful connection, the WLAN driver is not able to re-establish the connection | |
| #2062 | IEC 61850 Server GOOSE subscription not working for complex data structures. | Using IEC 61850 Server GOOSE subscription with complex data structures crashes the WEB-PLC. | |
| #2078 | Diagrams with pack/upack units cannot be loaded after update to Version 11.0.7 | If a diagram contains pack/upack units and the device is updated to the Version 11.0.7 it will not load anymore. | |
| #2084 | IP configuration password not changed by configuration update package | When a configuration package is applied that contains login information, the password for the IP configuration through the com.tom IP tool (or the @CHIPTOOL) is not changed. | |
| #2130 | IEC 61850: SCL upload fails if the filename is the same as the previous SCL file | SCL upload fails if the filename is the same as the previous SCL file. | |
| #2133 | IEC 61850: Timestamp is not transmitted if the value is 0 | IEC 61850 transmits the timestamp value only if the value has also changed, because the initial value is 0 no timestamp is transmitted until the value changes. | |
| #2157 | M-Bus: Correct German translation | The up/down translation in German is wrong. | |
| #2164 | IO mapping list variable mismatch does not trigger the convert diagram dialog | If the diagram is empty and the variable configuration changes the convert diagram dialog is not shown when loading the website. | |
| #2167 | CODESYS Network Variables: Group variables by list cannot be set. | The CODESYS network variables option group by list cannot be set. | As a workaroud, use the following update packages, to set or unset the option note the website checkbox will not reflect this. |

| Ticket | Zusammenfassung | Beschreibung | Workaround |
|--------|---|--|------------|
| #2172 | Event log messages during connection est. don't pass to portal | The event log messages which occur during connection establishment don't pass to portal's event-log's downloadable xlsx file. | |
| #2175 | IEC 60870-5-104 Server: Pulse Commands Lead to a System crash | Short or Long pulse commands lead to a System crash. | |
| #2213 | Opening help topic in new window does not work in Chrome | When opening a new window for the help system in Google Chrome the requested topic is not shown. If the window is already open, the requested topic is shown. | |
| #2221 | Messages: Variable references might be assigned to the wrong variable | <p>This can happen if the name of one variable is the first part of another's name and it is positioned after the mentioned variable.</p> <p>For example:</p> <p style="padding-left: 40px;">idx: 0 name: uint8Max idx: 1 name: uint8</p> <p>If a reference is created to the variable "uint8", it will be assigned to "uint8Max".</p> | |
| #2228 | I/O mapping list: I/O manager emulator does not correctly assign the output value indexes | If a diagram is loaded to a device that has not exactly the same interfaces with it the IO emulator will try to fix the interfaces indexes in order to run the diagram. If this is successful the I/O mapping list uses only the new input interfaces indexes and reassign them to both input and output values. This most of the times is not an issue but if the devices has an uneven number of interfaces (namely M-BUS) it can lead to a corrupted program. | |
| #2241 | IEC 61850 server/client: Crash when visible strings are used. | If the IEC 61850 datatype "VisString255" is used, the firmware will crash with the following error message "IEC 61850 driver: Invalid data type" | |
| #2243 | Portal communication fails if nearly the maximum of I/Os and variables have been defined (step 2) | If a lot of I/Os and variables are defined (near to the maximum), data cannot be exchanged with the portal. Synchronisation of the node structure works, but when the device is started the next time, the CPU is 100 % busy and the device reboots after some time. Ticket #1745 improved the performance, but did not completely solve the problem. | |

| Ticket | Zusammenfassung | Beschreibung | Workaround |
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Komponente: Run Time System (8 Ergebnisse)

| Ticket | Zusammenfassung | Beschreibung | Workaround |
|--------------|---|--|------------|
| #1876 | Timetags are not being updated in IEC 60870-5-104 Server values | Timetags are not being updated in IEC 60870-5-104 Server values | |
| #1963 | String-Arrays not correctly transmitted to portal | When an I/O driver (e.g. PROFINET IO DEVICE) defines an array of strings, the string values are not correctly transmitted to the portal. Let's assume the first string is "Hello", then the second one will be "ello", the third one will be "llo" etc. | |
| #1993 | IEC 61850 client: No more than 16 connections allowed | The IEC 61850 client driver cannot connect to more than 16 servers at once. On purpose it should be possible to connect to up to 32 servers on SC1x3 processor based com.toms and to up to 128 servers on SC1x5 processor based com.toms (See #1520). However 128 servers are not even possible due to resource limitations. | |
| #2028 | SNMP Manager: IP address variables not parsed from traps | When a trap message contains an IP address variable, the value of the variable is not applied and also further variables are not processed. | |
| #2036 | Messages: Cannot send directly after start-up | Directly after the device has started up, the first short message cannot be sent. The error message "Message manager: Sending message <message index> failed (-1)." appears in the event log. | |
| #2057 | Modbus RTU Slave: Serial port not freed when serial port is changed | When a com.tom has more than one serial port and you change the port for the Modbus RTU Slave driver, the previously used port will not be freed so that it can be used by other components. | |
| #2136 | CODESYS Network Variables string values error | Reading and writing values using strings at CODESYS Network Variables does not work properly and affects the data exchange. | |
| #2235 | IEC 61850 server: Crash on setting group without DOs in IED section | The IEC 61850 server may crash the whole firmware if there is a setting group where there are no instances of the DOs in the IED section of the ICD file. | |

Komponente: Website (28 Ergebnisse)

| Ticket | Zusammenfassung | Beschreibung | Workaround |
|---------------|--|---|--------------------|
| #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. | |
| #826 | 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. | |
| #1558 | Switching language in one window disables language switching in other windows | When the language of the website is switched in one window, it cannot be switched to the same language in other windows. The problem appears when a second window is opened for the help system. | |
| #1564 | Update without SD card and then without reboot with SD card does not work | If an update using the website's update tab is executed without an SD card and then executed with an SD card (with needed folders) and without a reboot is not possible. The error messages on the tab are: "The file has been rejected" | |
| #1619 | Upload hangs in IE when external medium is not accessible | In Microsoft Internet Explorer uploads will hang instead of timing out when the external medium is not accessible. | Reload the website |
| #1809 | IEC 60870-5-104 Client: Device dialog does not mark IPs and ports grid in case of an error | In the IEC 60870-5-104 Client's device dialog, if there is any error inside the list of IP addresses and ports (e.g. IP address/port combination is used twice), the label for this field is not marked as the labels of other fields are in case of an error. | |
| #1873 | Error on home page if any string contains control characters | If a string value on any I/O interface contains a control character (e.g. line break), the home page will stop to update the I/O values and show HTTP error 500. | |
| #1919 | WLAN: Band selection does not work | When scanning for wireless networks, 2.4 GHz and 5 GHz networks are shown separately. It looks like you can chose one of them. This is not the case. If there are two networks with the same SSID on different bands, the strongest will be used. It should be possible to select the band before scanning. If one band is chosen only networks from this band should be shown and used. If no specific band is chosen, only one entry should be displayed in the scan results. | |

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|--------|--|---|--|
| #1934 | Login: No error message when password and username are incorrect | If both fields are invalid when changing the login information no error message is shown. | |
| #1952 | DHCP configuration applied prematurely | If the DHCP option is enabled or disabled for one of the Ethernet interfaces through the settings website, the new configuration may be applied before the reboot of the device, if an Ethernet cable is plugged. | |
| #1965 | Varying I/O name constraints | Name constraints vary between the I/O drivers. All (device, value, ...) names should consist of 1 to 64 printable ASCII characters. Portal names should consist of 1 to 64 alphanumeric ASCII characters, underscores, dots or hyphens and the first character must be alphanumeric. | |
| #1978 | pppd missing in list of open-source components and libarchive licence incomplete | The open-source component pppd is not mentioned in the list of open-source components. Also the licence for libarchive is incomplete. | |
| #1984 | Dialogs sometimes don't resize when a message box is shown | Dialogs sometimes don't resize correctly when a message box is shown. | |
| #1988 | Update package cannot be applied | Sometimes installing an update package fails. The message "It seems like the update package could not be applied successfully." is shown. The probability of failure increases with the size of the update package. Since version 11.0.7 the size of update packages has reached a critical limit. The problem did not appear before. The update fails before anything is actually installed. So nothing bad happens to the device. You just cannot install the update. | <ul style="list-style-type: none"> • Retry several times. • We will provide a partial update package that only updated the operating system. The size of this update package is much smaller, so it should install without problems and fix the problem. Make sure to install the complete update package right after to make sure you have a consistent version. • Increase the interval of the PLC program and possibly also the interval of I/O drivers. This also reduces the probability of failure. |

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|--------------|--|--|------------|
| #1996 | Missing translation of communication error on IEC 61850 configuration form | When a communication error occurs on the IEC 61850 configuration form, the error message is prefixed with 'undefined' instead of 'Communication error: ' or an appropriate translation. | |
| #1998 | Modbus master edit value dialog validation issues | When selecting a function that doesn't support boolean and the 8-bit int data types (i.e read holding registers) the data type select element doesn't automatically switch to the first selection available (that would be 16-bit unsigned int) | |
| #2002 | Issue with the index number when deleting on grid | When a non-parent row is deleted, the index number of the rows underneath won't be decreased by one. I call parent row the very first row that could exist on the grid, and that includes 'inputs' and 'outputs' rows as well. | |
| #2004 | PROFIBUS DP Slave: Wrong constraints for value length | When adding or editing a value for the PROFIBUS DP Slave, the dialog allows a maximum length of 255. However when committing the dialog, an error message appear stating that no more than 244 are allowed. | |
| #2005 | Graphic issues with deleted parent entries on grids | On all grids, with the same structure of Master/Server, when a parent entry, with parent entries below it, is deleted, the addition of values on the parent entries BELOW will cause graphical issues, *IF these entries are fully expanded before the delete of the parent entry above them. Changing to another settings form and switching back will resolve the issue and the grid will be shown correctly. *Also expanding or contracting an entry will solve the issue, therefore the big if. | |
| #2011 | Network configuration form allows empty IP address and netmask | When DHCP is not being used, the network configuration form still allows the fields for IP address and IP netmask to be empty. | |
| #2021 | IEC 60870-5-104: Erroneous check for relation between T1 and T2 | For IEC 60870-5-104 server and client the T2 timeout value must be smaller than the T1 timeout value. However the check is done incorrectly leading to false positives and false negatives. | |
| #2049 | NAT's popup window allows ip field to be empty | NAT's popup windows to add entry and edit entry allow ip address input field to be empty when clicking ok. | |
| #2110 | Diagnostics: Ping allows too many data bytes | The ping command on the diagnostics page allows up to 65535 data bytes, but only up to 65507 work. If you chose 65508 data byte or more, the message "ping: sendto: Message too long" is shown. | |

| Ticket | Zusammenfassung | Beschreibung | Workaround |
|---------------|---|---|-------------------|
| #2135 | Fix localization error in the IEC 61850 help page | Swap the english and german localization strings for "Server SCL file path". | |
| #2205 | WLAN: Error message only shown very shortly when scanning fails | When scanning for WLAN networks fails for any reason, the corresponding error message is only shown very shortly. | |
| #2230 | IEC 60870-5-104: Erroneous check for relation between T1 and T2 | For IEC 60870-5-104 server and client the T2 timeout value must be smaller than the T1 timeout value. However the check is done incorrectly leading to false positives and false negatives | |
| #2231 | PROFIBUS DP slave: Module ID 255 should not be allowed | When adding or editing a PROFIBUS DP slave module, the module ID 255 can be entered. But when the configuration should be saved an error message is shown, stating that the module ID is out of bounds. | |
| #2247 | WLAN: Cannot scan after connection attempt with wrong password | After attempting to connect to a wireless network with a wrong password, scanning for networks fails. | |

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