

# **PCVUE 15 RELEASE NOTES**

#### > SUMMARY:

This document contains information about changes in PcVue 15. It includes information up to Maintenance Release 15.2.12.

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Confidentiality	TLP:CLEAR

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Reference: PcVue 15 Release Notes



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#### Maintenance Release 15.2.12 (15.2.12900) 1.

#### New features 1.

#### **New license reference for Building Automation** (SPR # 75133)

The new reference HMI\_BACS is available to cover the BMS needs for buildings up to 1000 m2. It includes:

- Data acquisition drivers BACnet, Lonworks, KNX, Modbus, SIA Honneywell, IP500, MQTT, LoRa, Modbus, SNMP, OCPP, Universal Data Connector
- Energy management with a bundled EmVue license
- Desktop and web clients

This reference may only be available under specific conditions and geographical areas. Please contact your reseller for more information.

General > Licensing

Also in: 16.3.0

#### 2. Fixes

#### Incorrect success message (SPR # 73071)

The Data export logged a trace 'generation succeeded' even when the HDS was not running or the database was disconnected. It now fails gracefully. The issue only affected data export when used with an HDS archive unit.

Data Export Also in: 16.3.1

#### Support for non-latin characters (SPR # 73553)

Non-latin characters could not be used as part of a filter on Text extended attributes when configuring a log page.

Data Export Also in: 16.3.1

#### Enhancements 3.

# OPC XML-DA - Array mapping onto a comma-separated value (SPR #

It is now possible to map an array onto a text variable to retrieve all array elements as a comma-separated text value.

Data Acquisition > OPC Client

## Instruction VARIABLE modes ASSOCLABEL and LONGLABEL - Added language parameter (SPR # 75016)

It is now possible to retrieve a variable's label in a language other than the current one by

specifying the optional Lang parameter. VARIABLE("ASSOCLABEL", VarName[, Lang]) VARIABLE("LONGLABEL", VarName [, Lang])

Where Lang is of type INTEGER and can take the following values:

- 0 Returns the label in the current language (default)
- 1 Returns the label in language 1
- 2 Returns the label in language 2

#### Scripting > SCADA Basic

#### 4. Security

#### Null pointer dereference vulnerability (SPR # 75116)

The following vulnerability is fixed. It affects the ICCP interface:

CVE-xxxx-x (in progress) - Denial-of-service vulnerability- Affects all versions since 15.1. See our **Security alert page** for more information.

Communication interfaces > ICCP

Also in: 16.3.0

#### Certificate validity not properly verified (SPR # 70331)

The following vulnerability is fixed:

CVE-2025-4384 - Improper validation of certificate expiration See our **Security alert page** for more information.

Communication interfaces > MOTT Pub-Sub

Also in: 16.3.0





# Vulnerabilities in the client/server Networking (SPR # 74711, 74710, 74709)

Networking

The following vulnerabilities are fixed. They affect the TCP-based client/server Networking feature:

CVE-2025-9998 - Improper validation of packets sequencing - Affects all versions.

• CVE-2025-9999 - Improper validation of payload elements - Affects all versions.

See our <u>Security alert page</u> for more information. [Edit: The fix in 12.0.31, 15.2.12, 16.3.1 an 16.3.2 is not effective. Refer to the section Known issues for more information.]

Also in: 16.3.1, 12.0.31

# 5. Other fixes & enhancements

SPR #75491 Also in: 16.3.1





#### Maintenance Release 15.2.11 (15.2.11901) 2.

## New features

Support for EmVue (SPR #74871, 74084)  The Maintenance Release 15.2.11 supports the PcVue connector of EmVue version 1.  Among other elements, starting with 15.2.11, the WDC can be used to add the EmVue client token type, so that EmVue can take advantage of the Web Services Toolkit authentication.	General
2. Fixes	
Fatal error with mismatched configuration (SPR #74064) Under some circumstances, a fatal error occurred when PcVue was configured as a called Client/Server ICCP control center and the Remote domain or the BilateralTableID configured in the ICCP.ini file was different from the local domain or BilateralTableID of the remote control center that was connecting.	Communication interfaces > ICCP
Fatal error upon receiving write requests (SPR #74343) A fatal error could occur upon receiving a write request on the OPC Server interface if the received value was out of range.	Communication interfaces > OPC Server
<b>USER objects never released</b> (SPR #74644, 74543) When using the Data Export wizard, some USER objects were allocated and never released upon closure.	Data Export
Fatal error during large import (SPR #74963, 74934)  A deadlock could occur when importing a large number of variables, causing a freeze and potentially a fatal error.  The issue affected imports using the XML Generic Import in general, and generation/synchronization with the Application Architect in particular.	Development kits > XML Generic Import Toolkit
Fatal error if branch started with '@' (SPR #74366, 74286)  A fatal error occurred upon opening a mimic containing an animation with a branch starting with the '@' character if taking advantage of an HMI variable.  The issue did not occur with I/O or internal variables.	HMI > Animations
Low plotting precision (SPR #74881) When using the time shift capabilities of the trend viewer to compare data at different points in time, plotting precision was too low for proper analysis when the time shift was large (1 year for example).	HMI > Trend viewer
Memory leak with expressions on variables (SPR #74028) A memory leak occurred with expressions having a result variable of type Text.	Real time data
Support for scientific notation (SPR #72044) The following syntax elements can now be used in the variable property Format:  • #e: Use exponential notation [-]d.ddddE[+ -]dd[d]  • #E: Use exponential notation [-]d.dddde[+ -]dd[d]	Real time data
Instruction ALARMDISPLAY mode SELECNAME (SPR #74790) The mode SELECTNAME no longer worked as designed when called in the context of the desktop client.	Scripting > SCADA Basic
Instruction TREND mode SET_VISIBLE (SPR #74672) It did not work for trace number 0.	Scripting > SCADA Basic
<b>Delayed response for a trend request</b> (SPR #74052)  If a variable was not trended, the response came only after the time-out instead of an immediate response indicating that the variable is not trended.  The same occurred when no record existed for the requested time.	Web Server Extensions > Web Services Toolkit





#### **UI frozen** (SPR #73991)

The WebVue UI could freeze after clicking on a small ellipse graphic element or clicking close to the edge of such element.

**Web Server Extensions** 

> WebVue

#### 3. Critical fixes

### Value discrepancy between client and server (SPR #74315)

Under some circumstances, a discrepancy between a client station and a server station could occur, showing a different VTQ for a given variable.

The issue occurred only with a variable mapped on an OPC server, in a scenario were more than one VTQ are received in the same OPC group subscription refresh call back. It was due to how variable changes are packed/unpacked for distribution to client stations.

Data Acquisition > OPC Client

#### 4. Enhancements

#### Alarm timestamping on masking (SPR #74544)

When an alarm is masked by dependency on another variable, the timestamp of the other variable and its source (SV or PLC) are now used as the timestamp and source for the masking event. The same applies to an alarm unmasking event.

Audit

Alarms

#### New audit counters (SPR #74147)

New audit counters are available to monitor the time spent processing internal messages.

НМІ

# Improved support for custom system display scale factor (SPR #75006,

74721, 74341)

Several UI/UX fixes and enhancements to better support custom scale factor setting:

- Fixed sizing issue with graphic controls
- Fixed missing content with Form controls
- Fixed Legend tab in the Trend viewer

#### MaxNumberExceeded always false (SPR #74880, 73825)

When calling QueryTrendRequest and ExecuteTrendRequest of the HistoricalData web service, the MaxNumberExceeded flag was always returned with value False even if more records were available. It is now set to True in that case. It was a documented feature limitation.

Web Server Extensions

> Web Services Toolkit

#### 5. Performance

#### Reduced time to refresh variables (SPR #74992, 74124, 74019, 73988)

Significant reduction of the load for refreshing variable VTQ, with gains on the CPU resources and the time it takes to refresh variables on large projects. It includes changes in:

Data Acquisition > IEC 60870-5 Client

- Internal messages processing
- System variables updates
- Traces generation

This improvement follows a regression in performances introduced in 15.2.0 and goes beyond in terms of gains.

#### Reduced memory footprint for trend (SPR #74172)

Memory buffers are no longer allocated on stations that only consume trend data, as opposed to stations that produce trend data for archiving.

This change can significantly reduce the memory footprint on a typical client station, and also reduces the time it takes to start a project.

Historical data

#### Combo-box - Time to switch language (SPR #75017, 74535)

Improvement of the time it takes to switch language when a combo-box contains a large number of items (several hundreds).

In worst case scenarios, the UI could freeze for several seconds.

HMI > Form controls

Reference: PcVue 15 Release Notes Last update: November 3, 2025



#### Improved time to update variables (SPR #74545)

Real time data

Enhancements to how data changes are processed to improve the time it takes to update variables.

The improvement can be significant on large projects.

#### Installation 6.

#### **OPC UA Gateway version 1.6.1** (SPR #74052)

Add-ons and Tools

Update of the installation package of the OPC UA Gateway available in the Add-ons & Tools section of the DVD.

#### Security 7.

#### Null pointer dereference vulnerability (SPR #74471)

The following vulnerability is fixed. It affects the IEC 61850 client driver:

CVE-xxxx-x (in progress) - Incorrect message processing in the Triangle MicroWork's IEC 61850 Client library - Affects all versions since 10.0.

Data Acquisition > IEC 61850 Client

See our **Security alert page** for more information.

### Vulnerability of the Web backend (SPR #74150)

The following vulnerability is fixed. It affects the Web back end:

CVE-2024-12057 - Insertion of sensitive information into a log file - Affects versions 15 and 16. User credentials (login & password) are inserted into log files when a user tries to authenticate using a version of a Web client that is not compatible with that of the Web back end.

General > Logging and tracing

See our **Security alert page** for more information.

#### Other fixes & enhancements 8.

SPR #73387, 73952, 74065, 74111, 74124, 74139, 74282, 74649, 74915

SPR #74125 Also in: 12.0.30

Reference: PcVue 15 Release Notes



#### Maintenance Release 15.2.10 (15.2.10900) 3.

#### **Fixes** 1.

Instruction PUT_BUFFER - SYS MAXARGSTRINGS not taken into account (SPR #73253)  The instruction PUT_BUFFER did not take the directive SYS MAXARGSTRINGS into account, thus limiting its capability to handling the argument Data as a string of 2047 characters max.	Scripting > SCADA Basic
Instruction SQL_COMMAND - SYS MAXARGSTRINGS not taken into	Scripting > SCADA

account (SPR #73253) The instruction SQL\_COMMAND did not take the directive SYS MAXARGSTRINGS into

Basic

> WebVue

account, thus limiting its capability to handling the argument SqlCmd as a string of 2047 characters max (modes EXECREADER, EXECSCALAR, EXECNONQUERY).

Web Server Extensions

Under some circumstances, a fatal error of the Web back end station could occur while navigating mimics in a WebVue client.

The issue occurred due to a race condition leading to executing an animation in a mimic that is already closed.

#### Critical fixes 2.

Fatal error while navigating mimics (SPR #73242)

#### Fatal error on exit (SPR #73781) Data Acquisition > IEC A fatal error occurred when shutting down PcVue if a station ran the IEC 60870-5 client 60870-5 Client

data acquisition driver.

The issue was a regression introduced in 15.2.0. It did not affect version 16 onward.

#### Performance 3.

Minimize the number of messages (SPR #73683) Improvements to internal diag messages to minimize the flow of messages and maximize data change throughput.	Data Acquisition > IEC 60870-5 Client
Improve memory usage on server stations (SPR #73442)	Real time data
To minimize the memory footprint on server stations, client subscriptions are now deleted as soon as a client station shuts down.	

### Other fixes & enhancements

SPR #73833, 73860, 73861





# 4. Maintenance Release 15.2.9 (15.2.09900)

# 1. Fixes

<b>OPC XML-DA - Command handling</b> (SPR #73463) When sending a command on a variable mapped onto an OPC XML-DA server, the command value was not refreshed immediately, and the command user action was not logged (if any log list was configured to store user command actions).	Data Acquisition > OPC Client
Error opening a mimic saved in Ascii (SPR #73488, 73481) Run macro animations were no longer saved correctly and an error occurred when reopening the mimic. The issue was a regression introduced in 15.2.8. It only affected mimics saved in Ascii format.	НМІ
<b>Wrong icon size with large toolbars</b> (SPR #73535) The large toolbar was showing 16x16 icons instead of 32x32 icons.	HMI > Alarm viewer
Wrong variable status after expression deletion (SPR #72154) The status of a variable that is the result of an expression was not updated when deleting the expression. As a consequence, the variable could have the status 'NS EXP' (invalid by dependency on the expression) persisting despite no longer being dependent on the expression.	Real time data
Instruction EXPORT_TREND mode GETAGGREGATED - Empty date header (SPR #73411) The optional argument TimeStampsFormat did not have a default value. If not set, the Date header in the exported page was empty.	Scripting > SCADA Basic
Commas in user credentials (SPR #68329)  A user having a comma in its username or password could not log in with WebVue, the WebScheduler, TouchVue and SnapVue.	Web Server Extensions
Fatal error of the PcVue Web backend (SPR #72978) Under some circumstances, a fatal error of the Web backend station could occur when opening a mimic in WebVue. The issue occurred if the toolbar of an alarm viewer could not be created at mimic opening.	Web Server Extensions > WebVue
Scroll bar handling when system menu docked (SPR #71214) Scroll bars are now displayed if the WebVue system menu is displayed and docked.	Web Server Extensions > WebVue
2. Critical fixes	
<b>Fatal error on shutdown</b> (SPR #73661) Since 15.2.8, a fatal error occurred during shutdown if the IEC 60870-5 client driver was configured.	Data Acquisition > IEC 60870-5 Client
3. Enhancements	
<b>Driver Udp Genisys - Support for redundancy</b> (SPR #73476) The Udp Genisys driver now supports field device redundancy.	Data Acquisition > Other built-in drivers Also in: 12.0.30
Driver Udp Genisys - Switch polling mode  The driver Udp Genisys now supports the following SCADA Basic instruction to switch indication request from master poll to master recall:  CIMWAY("SENDMSG", "network.device", "ResetRecallFlag");	Data Acquisition > Other built-in drivers Also in: 12.0.30



#### Scrollbars in the legend area (SPR #70250)

HMI > Trend viewer

Data Acquisition > IEC

61850 Client

Last update: November 3, 2025

In addition to the vertical scrollbar, it is now possible to use a horizontal scrollbar in the Legend area of the trend viewer.

At design time, it is possible to specify if scrollbars should be displayed at runtime.

#### Security 4.

#### **Buffer overflow vulnerability** (SPR #73486)

The following vulnerability is fixed. It affects the IEC 61850 client driver:

CVE-2024-34057 - Buffer overflow in the Triangle MicroWork's IEC 61850 Client library - Affects all versions since 10.0.

Also in: 12.0.30

See our <u>Security alert page</u> for more information.

#### Other fixes & enhancements 5.

SPR #73198, 73443, 73493





# 5. Maintenance Release 15.2.8 (15.2.08900)

# 1. Fixes

Fatal error when configuring a Sql connection (SPR #70877, 70817) Under some circumstances, a fatal error of the Application Explorer could occur while configuring a Sql connection. The issue occurred when an exception was raised while discovering the properties of an ADO.Net provider connection string.	Communication interfaces > Sql connections
Freeze caused by Sql query parameters resolution (SPR #72849) A freeze could occur when resolving Sql query parameters if using an indirect extended text attribute.	Communication interfaces > Sql connections
<b>Setting not saved</b> (SPR #72539) A change to the setting <i>Do not make expression result invalid when a member is invalid</i> was not saved.	Configuration Environments
Command on mis-configured variables (SPR #73017)  A fatal error occurred when sending a command on a variable mapped onto the BACnet driver, but missing configuration of the object-type.  In such a scenario, the command is now rejected.	Data Acquisition > BACnet Client
Several fixes & enhancements (SPR #73105, 69334)  The list of fixes & enhancements includes:  When requesting a trend log buffer from the helper, the request by time was done without defining the day of the week. The issue caused some devices to reply with the out of range error code.  Fix a bad conversion of the day of the week when using the time synchronization service.  All values received from a trend log for a binary input were archived as value 0.	Data Acquisition > BACnet Client
Command locked after a switchover (SPR #72932) Under some circumstances, when sending a command after a data acquisition server switchover, the command was not sent and it was no longer possible to send it. The issue only occurred when the time between the switchover and the command was smaller than the keepalive period. The command now fails gracefully and can be re-attempted later, as it is not possible to send a command during this time period.	Data Acquisition > DNP3 Client
Wrong version description (SPR #73327) When starting a project with the command line argument -x or -d, the Description column was filled with product version information instead of the version description. The issue is fixed, and 2 other columns are now also available to display the version of the product used to create and to modify the project (or library) version.	General > Version management
<b>ODBC system variable not refreshed</b> (SPR #72414) The system variable 'System.DB. <name>.Status for the database connection was refreshed in the Application Explorer, but not in a mimic.</name>	Historical data
Fatal error with a mimic in ASCII format (SPR #70967) Saving a mimic in ASCII format caused a fatal error if it contained an animation Run macro.	НМІ
Only one line printer working (SPR #73096) Since Maintenance Release 15.2.5, only the first configured line printer would start. Other (if any) would fail to start.	Miscellaneous
Fatal error due to configuration discrepancy (SPR #73024) Under some circumstances, a fatal error could occur upon modification of the configuration of any variable on a server station. The issue only occurred if a variable was configured as an alarm on a client station, and as a bit on the server station.	Real time data

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Could not delete events (SPR #67342)  Deleting an event using the SCADA Basic instruction EVENT modes DEL or DELPROG did not work if the variable name included the @ character.  The issue was a regression introduced in 15.2.0 and 16.0.0	Scripting > SCADA Basic
Instruction CGET_BUFFER - SYS MAXARGSTRINGS not taken into account (SPR #73253, 73149)  The instruction CGET_BUFFER did not take the directive SYS MAXARGSTRINGS into account, thus limiting its capability to returning a string of 2047 characters max.	Scripting > SCADA Basic

### 2. Enhancements

#### Temporization of simulated alarms (SPR #73041) Alarms Following the change related to simulated alarm temporization in 15.2.7, a new setting is available to control if the temporization should be applied or not for simulated COV unsubscriptions (SPR #72830, 68807) Data Acquisition > On projects with a large amount of COV subscriptions, it could happen that not all **BACnet Client** unsubscriptions were done upon stopping a network or shutting down the software, potentially leading to a fatal error at the next startup. Unsubscriptions are now done completely, potentially delaying the network stop or software shutdown. In addition, a new setting is available to disable COV unsubscription requests in such circumstances. For a large project, it may be worth keeping the subscriptions for a quicker restart. Web Server Extensions Scroll bar handling when no zoom set (SPR #71214) Scrollbars are now hidden if no zoom is set. > WebVue

# 3. Security

Reference: PcVue 15 Release Notes

**Vulnerability in the Microsoft Visual Basic for Applications runtime** (SPR **Scripting > VBA** #73056) Also in: 12.0.30

The following vulnerability is fixed. It affects the VBA runtime:

 CVE-2010-0815 & CVE-2021-1854 - Remote Code Execution - Affects all versions since 9.0.

See our <u>Security alert page</u> for more information.

## 4. Other fixes & enhancements

SPR #71079, 72043, 72727, 73037, 73193, 73214, 73276, 73341, 73362

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# Maintenance Release 15.2.7 (15.2.07900)

#### Fixes 1.

Control model override for Step position commands (SPR #72841)  Overriding the control model (Direct execute vs Select Before Operate) at the variable configuration level was not taken into account for Step position commands. The control model defined in the IEC 60870-5 settings was always used.	Data Acquisition > IEC 60870-5 Client
Fatal errors (SPR #72796, 72794, 72587, 72123) Fix of a series of fatal errors occurring at runtime with the KNX Add-on. In addition, the system variable corresponding to the status a KNX interface did not reflect the actual status of the interface.	Data Acquisition > KNX
<b>Driver IP-ISO-S7 - Failed to connect to S7-200</b> (SPR #72842) Since 15.2.1, the IP-ISO-S7 driver could no longer connect to S7-200 PLC.	Data Acquisition > Other built-in drivers
Incorrect format for week and month numbers (SPR #73004) Fixed double digit format for week and month numbers. 1-digit numbers were padded with a space instead of a '0'. For example, September was resolved as '9', it is now resolved as '09'.	Data Export
Fatal error using the library converter (SPR #72825) A fatal error could occur when using the library converter to convert symbols.	НМІ
Mimic size adaptation (SPR #72839, 72442)  Mimic size adaptation to screen resolution was not performed when the HMI option to control mimics open mode was set to Design mode.	НМІ
More than 1 active server (SPR #72870)  Under some circumstances, 2 servers could be active at the same time despite being in a single active server association.  The issue occurred in a specific scenario involving changes to servers' availability rates and connection states.	Networking
Invalid variable after changing an attribute (SPR #72967)  If a modification list was active, changing an extended attribute of a variable in SCADA Basic caused the variable to be set invalid (NS).  The issue was a regression introduced in 15.0.0, it affected all releases of version 15 and 16.	Real time data

#### 2. Enhancements

Upgrade Temporization of simulated alarms (SPR #72946, 72935)	Alarms
The temporization delay (if any) is no longer applied if an alarm is simulated.	
If you use delayed alarm triggering in combination with alarm simulation, note that this	
change affects the runtime behavior.	





# 3. Security

#### **OPC UA Gateway version 1.5.14**

Update of the installation package of the OPC UA Gateway available in the Add-ons & Tools section of the DVD.

This version of the OPC UA Gateway addresses the following security vulnerabilities:

- ZDI-CAN-20497 / CVE-2023-32172
- ZDI-CAN-20576 / CVE-2023-32173
- ZDI-CAN-20577 / CVE-2023-32174

Please note that the version 1.5.13 released earlier this year addressed the following security vulnerabilities:

- CVE-2022-4304
- CVE-2023-0286
- ZDI-CAN-20353 / CVE-2023-41185
- ZDI-CAN-20494 / CVE-2023-32170
- ZDI-CAN-20495 / CVE-2023-32171
- ZDI-CAN-20497 / CVE-2023-32172

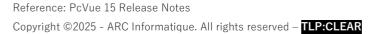
See our Security alert page for more information.

## Add-ons and Tools

Also in: 12.0.29

## 4. Other fixes & enhancements

SPR #70440, 72684, 72685, 72686, 72748, 72751, 72752, 72768, 72771, 72816, 72818, 72853, 72931, 72947, 72948, 72949





# 7. Maintenance Release 15.2.6 (15.2.06901)

#### 1. Fixes

Memory leaks (SPR #72425) Fixed memory leaks in the ICCP interface.	Communication interfaces > ICCP
Fatal error (SPR #72425) Under some circumstances, a fatal error could occur.	Data Acquisition > DNP3 Client
Failed to export all data (SPR #72532) Under some circumstances, when multiple data to export had the same timestamp, the data export could fail to export all archived data matching the time filter.	<b>Data Export</b> Also in: 12.0.29
Instruction SELECTOR mode PUTARRAY - Max size of a cell's text (SPR #72558)  A fatal error occurred when using the mode PUTARRAY with a cell text longer than 512 characters.  The fatal error is fixed and the max length of a cell text is increased to 1000 characters.	Scripting > SCADA Basic
Instruction SVLOG - Fatal error upon log request (SPR #72570) Under some circumstances, fatal errors could occur on the archive server. The issues occurred upon a request for logged events, one due to session handling, the other if the buffer used to store the returned data was too small.	Scripting > SCADA Basic
Instruction ALARM mode ACK - Username not logged (SPR #70865) When using the SCADA Basic instruction ALARM mode ACK in a WebVue context, the username was not logged.	Web Server Extensions > WebVue

## 2. Critical fixes

Failed to log alarm events	(SPR	#72368)	)
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Historical data

Under some circumstances, when the archive setting called 'Log on mask to unmask change' is set, then after alarm masking or unmasking, no alarm event was logged when the alarm returned to the same value.

## 3. Enhancements

### **Support for BATT# and SIMU# in animations** (SPR #72489)

HMI > Animations

The syntax VariableName.BATT# can now be used in an animation to display or control the value of a binary extended attribute as a whole double-word (32 bits). The syntax VariableName.SIMU# is also added to display and control the Simulation property of a variable.

### 4. Other fixes & enhancements

SPR #72423, 72516, 72603, 72724, 75655

SPR #70346, 72458 Also in: 12.0.29

Reference: PcVue 15 Release Notes

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#### Maintenance Release 15.2.5 (15.2.05901) 8.

#### 1. Fixes

1. FIXES  Fatal error with alarm synthesis (SPR #72011)	Alarms
Under some circumstances, a fatal error could occur during a server switch from passive to active. The issue only occurred if an alarm synthesis was configured with a counter on highest priority level updated based on an alarm enumeration. The issue was are a regression introduced in 15.2.4.	Alamis
Commands not forwarded (SPR #72341)	Communication
When using PcVue as an ICCP server, a command received from an ICCP client would not be forwarded to a field device (via Modbus for example).	interfaces > ICCP
AlarmState property no updated (SPR #72300)	Communication
The AlarmState property of OPC items was flagged with the quality Bad and not	interfaces > OPC
refreshed. The issue was a regression introduced in 15.2.2 and 16.0.0.	Server
<b>SG for TIA Portal</b> (SPR #72364, 72298, 72014, 69407, 68647, 68229)	Configuration
Several fixes & enhancements in the Smart Generator for TIA Portal:	<b>Environments</b> > <b>Smart</b>
<ul> <li>Importing array of UDT could cause the creation of several variables with the same name,</li> </ul>	Generators
<ul> <li>The value 'Invalid address label' could appear as part of a variable mapping,</li> <li>Added support for string variables.</li> </ul>	
Fatal error due to EDE file handling (SPR #72393)	Data Acquisition >
Under some circumstances, a fatal error could occur after the startup due to the EDE file handling.	BACnet Client
Fatal error due to watchdog (SPR #72386)	Data Acquisition >
Under some circumstances, a fatal error could occur due to the device watchdog processing.	BACnet Client
Fatal error upon command (SPR #71953)	Data Acquisition >
Under some circumstances, a fatal error could occur on a client station after sending a driver-level command that could not be processed by the data acquisition server.	BACnet Client
Several fixes & enhancements related to the DNP3 client driver (SPR	Data Acquisition >
#72074, 71913, 71912, 71908, 70820, 70417)	DNP3 Client
The list of fixes & enhancements includes:	
<ul> <li>When a device is stopped, the Status system variable is now set with value 8,</li> <li>Fix variable status not set to NS COM in some cases of device disconnection,</li> </ul>	
Fix a fatal error that could occur on disconnection,	
• Fix how the Integrity poll audit counter is handled, the value did not reflect the actual counter,	
<ul> <li>Removal of the group number from the mapping dialog box. It was misleading as it did not reflect how the mapped data was handled at runtime,</li> </ul>	
<ul> <li>Interop with non-conformant devices - The time synch request flag (IIN1.4) is now ignored after 5 rounds if not reset by the slave device.</li> </ul>	
Driver XBUS-IP-SLAVE - Fatal error (SPR #72013)	Data Acquisition >
Under some circumstances, when using the Modbus Ip slave driver with data acquisition redundancy, a fatal error could occur upon server switch while processing write requests from a Modbus client.	Other built-in drivers
Wrong value sent with swapped bytes (SPR #71894)	Data Acquisition >
Under some circumstances, when the value sent for a text variable had an odd number of characters, the last character was not sent if the frame was configured with byte swapping.	Other built-in drivers
Timestamp decoding and formatting (SPR #72378)	Data Acquisition >
Improved decoding and formatting of the value of an OID of type string when it	SNMP Manager



Automatic logout with AD users (SPR #72212) When using automatic logout, the system variable called System.LocalHost.User.AutomaticLogoffRemainingTime was not refreshed for Active Directory users.	General > User management
<b>Operation control</b> (SPR #72516, 72443, 72343) A fatal error could occur when cancelling the creation of a version once the creation process was started.	General > Version management
Time to start an ODBC archive unit (SPR #71709) Improvement of the requests used at startup to initialize an ODBC archive unit. Before this improvement, and depending on the exact database schema, the startup could take a long time. In addition, a fatal error of the RDBMS engine could occur with PostgreSQL if the database were significantly large.	Historical data
<b>GDI leak</b> (SPR #71917) A GDI leak occurred when using controls, specifically the Form controls, the tree-view, the chart and the pie controls.	НМІ
<b>Trend removal</b> (SPR #71897, 71812) Under some circumstances, a fatal error could occur when removing trends from a Grid control used in historical mode.	HMI > Grid control
Null timestamp for saved variables (SPR #67079) If a variable was saved while its status was inhibited, it was re-initialized with a null timestamp.	Real time data Also in: 12.0.28
<b>Deletion by import did not work</b> (SPR #71916, 71915) When importing a file via SCADA Basic to change configuration, the keywords DASSOCIATEDACTION and DEXPRESSIONONVAR were not recognized properly.	Scripting > SCADA Basic
Upgrade Error handling when importing configuration (SPR #71781)  Error handling was not consistent across a number of SCADA Basic instructions designed to import configuration:  Instruction EXPRESSION mode IMPORT_FILE_ONVAR;  Instruction EXPRESSION mode IMPORT_FILE_TEMP  Instruction ASSOCIATEDACTIONS mode IMPORTBYFILE  Instruction EVENT mode IMPORTBYFILE  They now return:  O: If the file is not accessible or contains nothing to treat (add/delete/modify)  > 0: Number of lines processed from the file (add/delete/modify) if the import succeeds or fails  The error values documented in the online help were no longer in line with the implementation since version 10.	Scripting > SCADA Basic Also in: 12.0.28
<b>Gif rendering in Chrome on iOS &amp; iPadOS</b> (SPR #72431) The position of a Gif image in WebVue was wrong if using the Chrome browser on iOS and iPadOS.	Web Server Extensions > WebVue
Text color for events in the Log viewer (SPR #71923) The color configured for some events was not applied correctly in WebVue. In some case, it, lead to invisible white on white lines in the Log viewer.	Web Server Extensions > WebVue
2. Critical fixes	
Instruction SEQ_BUFFER mode REPLACEFIELD - Could no longer replace more than 12 characters (SPR #72480)  Fix of a regression. Since Maintenance Release 15.2.4, only the first 12 characters were considered when using the instruction SEQ_BUFFER mode REPLACEFIELD. This is a known issue in Maintenance Release 15.2.4	Scripting > SCADA Basic
Fatal error of the Web back end server (SPR #72287, 72284, 72217, 68557) Under some circumstances, when navigating in mimics from a WebVue client, a fatal error could occur on the Web back end due to a race condition in the handling of a viewer's toolbar.	Web Server Extensions > WebVue



### Enhancements

#### Configuration of event logging (SPR #72368)

Historical data

3 new settings are available to tune event logging based on log lists:

- Store an event when an alarm changes from mask to unmask even if the alarm has not changed while masked (default Yes)
- Store an event on source timestamp change (default No)
- Store an event when a variable changes from unavailable to available (default

#### **Events and trends on alarm system variables** (SPR #72220)

Real time data

It is now possible to add an event or a trend behavior on alarm counters system variables (System.NoAckOn.All.domain\_\$).

#### Instruction SYSTEM - New modes GETDISKSIZE\_EX and **GETDISKFREESPACE EX (SPR #72296)**

Scripting > SCADA Basic

Due to storage devices increased capacity, and for compatibility with existing instructions, 2 new modes are available to retrieve storage device size and free space. They are like modes GETDISKSIZE and GETDISKFREESPACE but return a result of type longlong in a specified unit (B, KiB; MiB, GiB or TiB). SYSTEM("GETDISKFREESPACE\_EX", DiskInfo [, Unit]);

SYSTEM("GETDISKSIZE\_EX", DiskInfo [, Unit]); Where the argument Unit can take one of the following values: "B", "KiB" (default),

"MiB", "GiB" or "TiB". The use of modes GETDISKSIZE and GETDISKFREESPACE is now discouraged. Use these new modes instead.

Instruction WINDOW mode CHANGE - Optional arguments (SPR #72098, Scripting > SCADA Basic

The arguments Height and Width are now optional.

#### **Support for variable linking on UserData** (SPR #72225)

Web Server Extensions

Variable linking on the *Index* and *UserData* properties is now supported in WebVue for the Combo-box Form control.

#### Performance 4

#### Improved time to perform queries for logged events (SPR #71776)

Historical data

> WebVue

The time to requests logged events is vastly reduced thanks to an increase in size of memory buffers used to deal with the returned data.

In particular, it has the positive effect of reducing the number of actual queries on the data source for requests covering a large amount of data.

The improvement applies to requests for logged events with all types of archive units (HDS, proprietary...).

# Networking

## Improved memory resources usage (SPR #72256)

Reduction of the amount of memory necessary to handle variable subscriptions in an association for real time data in case the association comprises more than 2 servers.

#### Other fixes & enhancements 5.

SPR #68214, 70304, 71280, 71379, 71420, 71658, 71659, 71903, 72001, 72095, 72184, 72200, 72252, 72283, 72401, 72474

Reference: PcVue 15 Release Notes





# 9. Maintenance Release 15.2.4 (15.2.04900)

#### 1. New features

# **SNMP Agent - Support for trap sending redundancy** (SPR #70393, 70147)

The SNMP Agent now supports single active server association for trap sending. By adding the parameter *AssociationName* = *AssociationName* active servers of the association will send traps.

The task is then disabled on passive servers. The association must be of type Single active server.

Communication interfaces > SNMP Agent

Add-ons and Tools

#### 2. Fixes

#### EtherNet/IP Add-on - Array of boolean (SPR #71665)

Writing in an array of boolean comprising more than 32 items failed. Reading and writing failed if the array started at an index other than 0.

## Alarm masking by expression template (SPR #71237) Alarms

Alarm masking by expression template did not work properly if the same expression template and branch was used on more than one alarm. The issue was a regression introduced in version 12.

#### Alarm synthesis timestamp changed on server switchover (SPR #71548) Alarms

On a server switch from passive to active, an alarm synthesis is recalculated, including its value and timestamp. If the alarm synthesis has not changed, the value is not set. But, since a regression introduced in Maintenance Release 12.0.20 the timestamp was updated, causing event triggering if any.

This is a known issue in 12.0.20, all subsequent Maintenance Releases of version 12 until 12.0.27 (included) and all releases of version 15 until 15.2.3 (included).

# **Several fixes & enhancements related to the ICCP interface** (SPR #70980, 70618, 70473, 70408, 69049, 69048, 69044, 69043, 69041, 69040, 68978, 68941, 68218)

The list of fixes & enhancements includes:

- Fix of a fatal error occurring when a remote reconnected quickly multiple times,
- Fix to stop all networks properly before shutdown,
- Some dataset parameters were ignored after an initial dataset creation failed,
- System variables added to handle stats related to data and command flows,
- A message was traced twice on remote client disconnection,
- Deny an incoming connection if both the LCC and the corresponding RCC are configured to initiate the connection (and improved traces),
- Fix of the handling of ICCP/TASE.2 version discrepancy,
- Under some circumstances, a fatal error could occur upon shutdown,
- Disconnections could occur when generating configuration from the Application Architect. The issue was related to how local SBO variables deletion/creation was handled.

# $\begin{array}{l} \textbf{Communication} \\ \textbf{interfaces} > \textbf{ICCP} \end{array}$

Also in: 12.0.28

#### Fatal error if payload contained % (SPR #71860)

Under some circumstances, a fatal error occurred when an MQTT payload contained the % character.

Communication interfaces > MQTT Pub-Sub

#### **OPC Server caused regulation mode to stay active** (SPR #71724)

Communication interfaces > OPC Server

### Fatal error with HMI variables (SPR #71673)

A fatal error could occur when generating configuration comprising HMI variables with the Application Architect.

Configuration Environments > Application Architect

Reference: PcVue 15 Release Notes Last update: November 3, 2025



SG CAD - Fatal error on OS in Hebrew (SPR #71135)  A fatal error occurred when opening the expression editor in the Smart Generator for AutoCAD if the OS was in Hebrew.	Configuration Environments > Smart Generators
Online configuration changes (SPR #71440) A fatal error could occur when changing configuration online.	Data Acquisition > KNX
AdNet driver - Support for unsolicited data (SPR #71768)  An issue affecting unsolicited frame handling prevented unsolicited data from being received.	Data Acquisition > Other built-in drivers
Omron FINS - Frame size limitations (SPR #71786)  The following frame size limitations are cleared:  A frame size could not exceed 118 words,  A writable wordbit frame would not work if the frame size exceeded 15 words	Data Acquisition > Other built-in drivers
Swap did not work when writing (SPR #71787) Swapping, as defined as part of the mapping of a text variable (swapped formats), did not work when writing. It worked properly when reading.	Data Acquisition > Other built-in drivers
<b>Timeout with unmanaged devices</b> (SPR #71725) The properties timeout and number of retries were not properly applied for unmanaged device, leading to devices being flagged not connected where in fact the ping was just taking longer than the default.	Data Acquisition > SNMP Manager
Infinite loop at startup with a network license (SPR #71568) Under some circumstances, an infinite loop could occur at startup when using a network dongle. The issue occurred in a scenario when the license owner is not accessible. Clicking the Quit button caused the renter station to go in an infinite loop. It was a regression introduced in 15.2.3.	General > Licensing Also in: 12.0.28
Request to HDS logs with population (SPR #70752) Requests to events logged on an HDS archive unit did not work properly when a population was applied. In particular, requesting logged events was incorrect when the population filter comprised criteria on multiple variable full names or branches.	Historical data
<b>Trend configuration handling</b> (SPR #71427) Since version 15, a trend item may not be deleted properly when deleting a branch if it contained trended register variables (proprietary, ODBC and free archive units). The fix was available since 15.2.3 for trends stored in an HDS archive unit.	Historical data
Recipe with variables of different sources (SPR #71675) Under some circumstances, a fatal error could occur when sending a recipe that comprised variables of different sources (OPC and BACnet for example).	Recipe
Fatal error of the SCADA Basic editor (SPR #71555) Under some circumstances, a fatal error of the SCADA Basic editor could occur when using the keyboard shortcut Ctrl+I+V to open the variable selector.	Scripting > SCADA Basic
Instruction LOGDISPLAY - Wrong order with mode SETDATETIME & FIRST (SPR #70463) The modes SETDATETIME and FIRST of the instruction LOGDISPLAY ignored the Log viewer property Newest records on top, leading to an incorrect event ordering after a call.	Scripting > SCADA Basic

# 3. Critical fixes

Invalid system variable after a switchover (SPR #71646)	Data Acquisition >
The system variable called @System.Eqt.OKEqtCount was set NS (invalid) after a switchover.	Other built-in drivers
Because this variable is often used as a criteria for triggering a switchover, the fact that it could be invalid could impact redundancy handling.  The issue was a regression introduced in version 12.	





#### Unexpected value sent to PLC (SPR #71855)

Under some circumstances, commands on bit and register variables did not send the good value. The issue only affected data acquisition drivers configured behind the Equipment node of the Application Explorer (Modbus, S7...). Drivers such as BACnet, OPC, IEC ... are not affected.

Data Acquisition > Other built-in drivers

The issue only occurred in a very specific and unlikely condition. A series of particular values had to be present in adjacent addresses in the memory area where the frame is stored. But it brought a significant risk on the physical process if the PLC did not check the received values (consistency and range) before controlling a process' actuator. The issue was a regression introduced in 15.2.0, it affects all releases from 15.2.0 to 15.2.3 (included).

We strongly recommend users to update to 15.2.4.

Historical data

Also in: 12.0.28

# Invalid trend point on shutdown (SPR #71407, 71324, 71311)

When using an HDS archive unit, the invalid point (quality 64) was no longer stored when shutting down PcVue.

The issue was a regression introduced in Maintenance Releases 12.0.26 and 15.2.1.

#### Historical data

#### *Upgrade* Inverted associated labels (SPR #71661, 69959)

Since 15.2.2, labels in the first column for Alarm changes in log lists (Alarm on and Alarm off) were inverted in the dialog box for configuring associated label. While this fix is only a change of the product resources and does not affect configured associated labels themselves, associated labels configured or modified with 15.2.2 or 15.2.3 may have been inverted if one followed the configuration UI.

#### 4. Enhancements

### Handling of command retry (SPR #71820)

Command retry is now in place to make sure a command is performed even if it issued during a switchover. In such a situation, the command will be retried once the switchover is completed.

Data Acquisition > DNP3 Client

#### Filtering of logged events (SPR #71557)

On proprietary archive units, it is now possible to filter logged events such as login, logout and script execution by passing a username as part of the filter. Such filter already worked properly for user actions on variables and alarms.

Historical data

### Trend archiving inhibition (SPR #71356)

As for trends archived using a proprietary archive unit, PcVue now stores value changes as invalid points (quality 64) when a trend stored on an HDS archive unit is inhibited. It permits the trend viewer to render a dotted curve (invalid due to no data archived).

Historical data

Basic

# $\textbf{Instruction SEQ\_BUFFER - Support for longer fields} \; (\texttt{SPR} \; \#71474)$

Modes NEXTFIELD and PREVFIELD can now extract fields up to 1024 bytes long in submode STR (was 254).

Scripting > SCADA

# Instruction WINDOWS modes CURRENTBRANCH and CURRENTNAME - WebVue support (SPR #71659, 71644)

The instruction WINDOW modes CURRENTBRANCH & CURRENTNAME is now supported in a web context.

Scripting > SCADA Basic

## 5. Installation

#### **OPC UA Gateway version 1.5.11** (SPR #70709)

Update of the installation package of the OPC UA Gateway available in the Add-ons & Tools section of the DVD.

Add-ons and Tools

Also in: 12.0.28

Reference: PcVue 15 Release Notes Last update: November 3, 2025



## Security

Vulnerability in the email & SMS account configuration (SPR #69821,

Miscellaneous Also in: 12.0.28

The following vulnerability is fixed. It affects the configuration of the email and SMS accounts:

CVE-2022-4312 - Cleartext Storage of Sensitive Information vulnerability, allowing a user able to authenticate locally to access the SMTP account credentials and the SIM card PIN code - Affects all versions since 8.10. See our <u>Security alert page</u> for more information.

#### Other fixes & enhancements 7.

SPR #70007, 71498, 71584, 71652, 71659, 71731, 71743

SPR #71732, 72461 Also in: 12.0.29





# 10. Maintenance Release 15.2.3 (15.2.03900)

#### New features

#### Support for File Transfer services

The standard File Transfer services are now supported. This new feature includes:

- The file transfer Helper is now available on DNP3 devices nodes and stand-by devices in the Application Explorer,
- The Helper allows browsing files available in devices connected to the network, as well as file Download, Upload and Deletion,
- The SCADA Basic instruction named FILETRANSFER can be used for DNP3 communication items.

It permits handling files generated and/or stored in field devices, in particular disturbance recording, files containing device settings or configuration.

Data Acquisition > DNP3 Client

#### 2. Fixes

#### FrontVue failed to display alarms (SPR #70855)

Under some circumstances, alarm requests from a FrontVue client were not processed properly leading to no alarm being displayed in a FrontVue alarm viewer connected to PcVue.

The issue was a regression introduced in 15.2.2.

#### Sql query execution failed on a client (SPR #71076)

Since Feature Release 15.2.0, executing a Sql query from a client station failed and caused the disconnection of the client station from the server station producing the Sql connection.

Communication interfaces

Alarms

# Several fixes in the MQTT Pub/Sub interface (SPR #71375, 70931, 70873)

Several fixes and enhancements of the MQTT pub/sub add-on:

- Since 15.2.1, the register variable defined in the configuration file to reflect the MQTT broker status was not taken into account,
- Since 15.2.1, a text variable linked to a raw payload was no longer refreshed,
- TLS connection to a broker failed with reason 'Unknown' if a client certificate was not provided.

# Communication interfaces > MQTT Pub-Sub

#### Could not delete actions associated to alarms (SPR #71293)

Since 12.0.25, 15.1.5 and 15.2.0 it was no longer possible to delete actions associated to alarms in the behavior panel of the Application Explorer.

Configuration
Environments >
Application Explorer
Also in: 12.0.28

### Fatal error if parameter is used twice (SPR #71002)

Under some circumstances, a fatal error of the Application Explorer could occur when using the Test task of a Sql connection.

The issue only occurred if a parameter was used more than once in the query, for example: SELECT \* FROM dbo.table1 WHERE VAL1 = ?Param01 AND VAL2 = ?Param01

Configuration
Environments >
Application Explorer

#### Memory leak with BACnet objects (SPR #70978)

Under some circumstances, a memory leak occurred on a client station (typically the web back end) when accessing BACnet Schedule or Calendar objects for the WebScheduler.

The issue only occurred if the server station producing the BACnet objects was not available at the time of the request from the client station.

Data Acquisition > BACnet Client

Also in: 12.0.28

Reference: PcVue 15 Release Notes Last update: November 3, 2025



Variable refreshed with the wrong property (SPR #71128) Under some circumstances, variables were refreshed based on the present-value of the BACnet object it was mapped to, instead of based on the property used in the mapping (that may differ from the present-value). The issue only occurred when using offline mapping based on EDE files and if the device was not started automatically at startup.	Data Acquisition > BACnet Client
Several fixes & enhancements related to the DNP3 client driver (SPR #70966, 70963, 70961, 70960, 70821, 70574, 70573, 70471, 70423, 70340, 69604, 69603, 69594, 69253, 69228)  The list of fixes & enhancements includes:  Improved connection handling and how status & system variables are refreshed,  Improved DNP3 device redundancy,  Improved data acquisition server redundancy,  Improved handling of unsolicited data,  Improved KeepAlive implementation,  Improved handling of SBO controls,  Improved refresh of the mapping dialog box.	Data Acquisition > DNP3 Client
Fatal error when sending multiple write commands (SPR #70802) Under some circumstances, a fatal error could occur on a data acquisition server when sending write commands. The issue only occurred when sending multiple write requests simultaneously, and only in case of connection issues with the device.	Data Acquisition > Other built-in drivers Also in: 12.0.27
OID parsing failure (SPR #70922) OID parsing failed if the sub-identifier was greater than 1048576. As a consequence, polling the OID did not work, and the linked variable was not refreshed.	Data Acquisition > SNMP Manager
<b>Sql variable command sent twice</b> (SPR #70887) When a variable mapped onto a Sql query was set using a recipe, the query was executed twice.	Data Acquisition > Sql
Upgrade Added support to merge data on a page (SPR #70829) For trend and log pages, it is now possible to merge newly exported data if the output already exists. If selected, data will be merged at the start column/start row. The behavior is similar to what was available in version 11.2 when the option 'Clear if exists' was unchecked.	Data Export
Could not change aggregated stats options (SPR #71000, 70827)  The Application Explorer failed to validate changes to the advanced properties of aggregated stats (Export timestamps or Row headers for example). The runtime behavior was correct.  In addition, the exported timestamps (beginning and/or end timestamps) did not follow the configuration correctly.	Data Export
Cannot start a project if name has a space (SPR #71067) Since version 12, a project having a space character in its name could no longer be started in an RDS session.	General
Incorrect time restriction with development licenses (SPR #71147) If a development license was rented from a network slot, data acquisition was incorrectly limited to 1 hour instead of 4.	General > Licensing Also in: 12.0.28
Fatal error when accessing the task scheduler (SPR #70936) Under some circumstances, a fatal error could occur when opening the task scheduler from a maintenance plan.	Historical data
<ul> <li>Several fixes in trend configuration handling (SPR #71285, 71169, 70229, 70156)</li> <li>The list of fixes includes:         <ul> <li>Since version 15, a trend item may not be deleted properly when deleting the register variable (HDS and proprietary archive units),</li> <li>The same occurred when deleting a branch if it contained trended register variables,</li> <li>A fatal error of the HDS could occur on shutdown if the configuration comprised trends linked to an unknown archive unit.</li> </ul> </li> </ul>	Historical data



Variable linking did not work with register and bit variables (SPR #70590) Since the Initial Release of version 15, variable linking only worked with text variables. Variable linking with a register or a text variable no longer worked properly.	НМІ
Upgrade Compatibility issue with register to bit conversion (SPR #71396) Since version 11.1, an expression requiring implicit conversion of a register value to a bit variable no longer worked as it used to be (for example BitVar1 = "RegVar & 2"). A compatibility setting named Result variable - Register to bit conversion is added. It shall be changed from its default value when migrating a project from a version earlier than 11.2 if the legacy behavior is still needed.	Real time data
Instruction EVENT mode ADDPROG - Variable with multiple events (SPR #70979) Since version 12, when for a given variable, multiple events were created with the SCADA Basic instruction EVENT mode ADDPROG, only the first and last ones were executed.	Scripting > SCADA Basic Also in: 12.0.28
Child mimic position wrong (SPR #70655)  The position of a child mimic could be wrong if open via a SCADA Basic script in web context.  The issue only occurred if there were multiple levels of parent/child mimics, causing the parent reference to be wrong.	Web Server Extensions > WebVue
<b>Display not reset with empty filter</b> (SPR #71145, 70681) The list of alarms displayed in an alarm viewer was not reset when applying an empty filter via a SCADA Basic script in a web context.	Web Server Extensions > WebVue
Memory leak when accessing timetables and schedules (SPR #70890, 70816, 70009)  A memory leak occurred on the Web & Mobile back end server when using the WebScheduler to access timetable and schedule objects.  In addition, under some circumstances, a fatal error could also occur on the producer of a BACnet schedule object upon login in the WebScheduler.	<b>WebScheduler</b> Also in: 12.0.27

#### 3. Critical fixes

# Several fixes related to alarm handling with FrontVue and WebVue clients (SPR #71127, 71126)

Alarms

The list of fixes includes:

- PcVue could send duplicated alarms to a FrontVue client,
- Since version 12, PcVue could freeze and exit due to a watchdog in alarm handling if a FrontVue client was connected,
- Since version 12, under some circumstances, a fatal error of the Sv32.exe process could occur when navigating in an alarm viewer from a FrontVue or WebVue client.

#### New subscriptions not processed (SPR #71056)

Under some circumstances, PcVue failed to process new subscriptions received by the OPC server.

The issue was a regression introduced in 15.2.2 and only occurred after a subscription including more than 1000 items was received from an OPC client.

Communication interfaces > OPC Server

#### 4. Enhancements

#### KNX - Several fixes & enhancements (SPR #70419, 65923)

The list of fixes & enhancements includes:

- A simulated variable is no longer set by the KNX add-on,
- It is now possible to enable/disable communication on a KNX interface at runtime.

Add-ons and Tools

Reference: PcVue 15 Release Notes

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Sunair - Support for new controllers The Sunair driver now supports T-5000A 5 kW, T-10000A 10 kW and T-10000B 10 kW transmitter systems.	Data Acquisition > Other built-in drivers Also in: 12.0.28
Tyco POSM IP - Support for device redundancy (SPR #71218) The data acquisition driver Tyco POSM over IP now supports a device standby address to manage the Centinel redundancy system.	Data Acquisition > Other built-in drivers Also in: 12.0.28
Support for Context name (SPR #70725) Added support for the Context name feature when communicating with SNMP v3 devices.	Data Acquisition > SNMP Manager
Optimized rendering (SPR #71199, 71184, 70750)  An optimized rendering mode is now available for the desktop client.  This new mode improves the user experience on large screens (high resolution) and is useful when the number of animations in opened mimics is in the range of several thousands.  It can be enabled via the HMI options. If set to Automatic the graphic engine automatically activates/deactivates the optimized rendering depending on the rendering workload.	НМІ
Support for #@1 to #@12 in the Log viewer (SPR #71349, 71287, 70381) The substitution strings for variables' branch segments #@1,#@2#@12 are now supported by the Log viewer in a web context.	Web Server Extensions > WebVue
Flow control and connection handling (SPR #71421)  New connections to the OPC Server are now refused when the number of pending messages in the queue exceeds 60% of the queue size.  This change is designed to smooth the data flow between the variable manager and the OPC Server interface. Thanks to the retry mechanisms of OPC clients, in most cases, new incoming connections are only delayed.	Communication interfaces > OPC Server
Improvement of the variable subscriptions (SPR #71429) Variable subscriptions and unsubscriptions coming from the OPC server are now processed by packet.	Communication interfaces > OPC Server
6. Security	
OPC UA Gateway version 1.5.10  Update of the installation package of the OPC UA Gateway available in the Add-ons & Tools section of the DVD.	Add-ons and Tools Also in: 12.0.27
<ul> <li>CVE-2022-29862 – Chained Certificate Loop PoD</li> <li>CVE-2022-29864 – Reference Counter Decrement DoS</li> </ul>	
<ul> <li>CVE-2022-29862 – Chained Certificate Loop PoD</li> <li>CVE-2022-29864 – Reference Counter Decrement DoS</li> <li>See our Security alert page for more information.</li> <li>Denial Of Service vulnerability (SPR #71486)</li> <li>The following vulnerability is fixed. It affects the ICCP/TASE.2 interface Add-on and the</li> </ul>	Communication interfaces > ICCP
<ul> <li>CVE-2022-29864 – Reference Counter Decrement DoS</li> <li>See our Security alert page for more information.</li> <li>Denial Of Service vulnerability (SPR #71486)</li> <li>The following vulnerability is fixed. It affects the ICCP/TASE.2 interface Add-on and the IEC 61850 Client driver:</li> <li>CVE-2022-38138 - Access of Uninitialized Pointer vulnerability in the stack used</li> </ul>	

Reference: PcVue 15 Release Notes Last update: November 3, 2025 Copyright ©2025 - ARC Informatique. All rights reserved – TLP:CLEAR



#### **Denial Of Service vulnerability** (SPR #71486)

The following vulnerability is fixed. It affects the ICCP/TASE.2 interface Add-on and the IEC 61850 Client driver:

Also in: 12.0.28

tracing

61850 Client

Data Acquisition > IEC

 CVE-2022-38138 - Access of Uninitialized Pointer vulnerability in the stack used for the ICCP/TASE.2 interface and the IEC 61850 Client driver.

For the IEC 61850 Client driver, it affects all versions since 10.0. For the ICCP/TASE.2 interface, it affects all versions since 15.1.

See our **Security alert page** for more information.

## Sensitive Information in Log File vulnerability (SPR #71136)

The following vulnerability is fixed:

 CVE-2022-4311 - An Insertion of Sensitive Information into Log File vulnerability exists, allowing a user with access to the log files to discover connection strings of the data sources configured for the DbConnect, including the credentials -Affects all releases of version 15 up to 15.2.2.

See our <u>Security alert page</u> for more information.

**Vulnerability in the OAuth configuration** (SPR #71066, 70710)

The following vulnerability is fixed. It affects the configuration of the OAuth web service hosted in Microsoft IIS:

• CVE-2022-2569 - Cleartext Storage of Sensitive Information vulnerability, allowing a user able to authenticate locally to access session data of legitimate users stored in the OAuth database - Affects versions 12 & 15.

See our Security alert page for more information.

#### Web Server Extensions

General > Logging and

Also in: 12.0.27

## 7. Other fixes & enhancements

SPR #69046, 69235, 70409, 70464, 70522, 70835, 70874, 71006, 71082, 71117, 71216, 71290, 71390, 71410, 71467, 71475, 71522, 71531

 SPR #70713, 71058, 71134, 71235
 Also in: 12.0.28

 SPR #67079, 70003, 70906, 71074
 Also in: 12.0.27

Reference: PcVue 15 Release Notes Last update: November 3, 2025



# 11. Maintenance Release 15.2.2 (15.2.02900)

# 1. New features

Support for Windows 11 and Windows Server 2022

and Windows Server 2022.	
2. Fixes	
<ul> <li>Several fixes and enhancements (SPR #70447, 70407, 70406, 68216)</li> <li>The list of fixes &amp; enhancements includes:         <ul> <li>The timestamps of a variable with quality NS was incorrectly updated after each request instead of remaining with the same VTQ.</li> <li>Some qualities returned by a Remote Control Centre were incorrectly managed. Now, the quality flag Held is interpreted as NS WD, and the flag Abnormal as NS FMT.</li> <li>Saved variables were not set to NS COM correctly on startup when the remote LCC did not respond before the timeout expiration.</li> <li>The Variable value is now sent instead of the Alarm value for Alarm type bits.</li> </ul> </li> </ul>	Communication interfaces > ICCP
<b>Memory leak</b> (SPR #70284) A private bytes memory leak occurred when using the expression function <i>JsonGetValue</i> in the context of the MQTT add-on.	Communication interfaces > MQTT Pub-Sub
Memory leak with large project (SPR #70401)  A memory leak occurred with large projects (over 600k variables) due to a subscription message queue being full in the OPC Server. Additionally, some data changes were not correctly sent to OPC clients.	Communication interfaces > OPC Server
Incorrect server switchover (SPR #70484) Triggering a switchover from the Application Explorer or via SCADA Basic instruction did not work. The switchover in case of server loss or disconnection was working correctly.	Data Acquisition > DNP3 Client
<b>Polling not working with server association</b> (SPR #70422) The polling did not work for a network configured to be produced by a server list containing an association.	Data Acquisition > DNP3 Client
Fatal error on Network stop (SPR #70061) Under some circumstances, a fatal error could occur when stopping an IEC 60870-5 Network. The issue occurred when switching a network from active to passive in redundant architectures having multiple networks.	Data Acquisition > IEC 60870-5 Client
Incorrect traces for IEC 101/104 (SPR #70572, 70571) Some traces were incorrect or incomplete for the IEC 101/104 Client driver.	Data Acquisition > IEC 60870-5 Client
Connection lost for a data report group (SPR #70606) Under some circumstances, a BRCB data report group could freeze with status "Disconnected. Report already in use". In such case, variables mapped to the report group were no longer refreshed.	Data Acquisition > IEC 61850 Client
Fatal error on trend export (SPR #70211)  A fatal error occurred when exporting trends with the variable description as the only column header.	Data Export
Missing end time for aggregated statistics (SPR #70523)  Fix of a regression, since 15.2 the ending timestamp of sub-periods was no longer exported with aggregated statistics.	Data Export

Reference: PcVue 15 Release Notes

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General



Editing Alarm On and Alarm Off labels - Follow-up on the fix in 15.2.1 (SPR #69959)	General
In Maintenance Release 15.2.1, the fix related to the configuration of associated labels for alarms when the <i>setting Log only alarm On/Off</i> is activated was partial and brought a regression leading to the inversion of labels. The configuration of this type of associated labels is now functional.	
Fatal error at startup (SPR #70102)	General > User
Under some circumstances, a fatal error could occur at startup due a concurrent access to user rights configuration. The issue only occurred when taking advantage of Active Directory.	management
File and folder filter of Central Project Management lost (SPR #70490) Under some circumstances, after opening the Central Project Management dialog while the central folder was unavailable, the file VersionConf.ini was reinitialized causing the loss of the files and folders customization.	General > Version management
Animations with bit rank not working (SPR #70741)  Animations based on a register variable and bit rank did not work properly when the variable value was negative.  The issue was a regression and affected the following animations:  Color on register bit,  Text on register bit,  Symbol on register bit,  Visibility on register bit.	HMI > Animations
<b>Error messages when changing a threshold</b> (SPR #70351, 70185) Since the Initial Release 15.0.0, updating a threshold on a client station lead to the display of error messages on the variable producer station, and in some circumstances to a fatal error.	Networking
Expression - Math function not working with decimal values (SPR	Real time data
#70492) Under some circumstances, math functions failed when used with text variables due an incorrect conversion to type double.	
<b>Browsing level was ignored</b> (SPR #68749) The browsing level set on the user profile for alarms is now correctly taken into account in the alarm view and notifications for TouchVue and SnapVue.	TouchVue
Cursor disappeared in Trend viewer (SPR #68784, 68781, 66100, 66048) Under some circumstances, the cursor displayed in a Trend viewer could disappear. The issue occurred when updating the zoom level or the scale visibility.	Web Server Extensions > WebVue
<b>Disconnection with Chrome</b> (SPR #70057) Under some circumstances, when using the Google Chrome browser, a disconnection could occur after several minutes if the browser window was minimized. The issue was due to Chrome throttling mechanisms designed for power saving.	Web Server Extensions > WebVue
Empty toolbar display for Trend viewer (SPR #70111) When configured without a toolbar, the Trend viewer displayed an empty toolbar instead of using the area to display curves.	Web Server Extensions > WebVue
<b>Events not processed for form controls</b> (SPR #70538)  Events such as user click triggered by a form control were not processed if the control was in a group or a symbol. The issue only occurred in web context and prevented control animations to be executed properly (mimic open animation on a Tree-view node for example).	Web Server Extensions > WebVue
Fatal error when opening a web client (SPR #70146, 69869, 69791) Under some circumstances, a fatal error of the Web & Mobile back end station could occur when running a WebVue client. This issue was due a synchronization issue with the server.	Web Server Extensions > WebVue
Fatal error with alarm synthesis (SPR #70341)	Web Server Extensions
Under some circumstances, a fatal error could occur on the Web & Mobile back end server upon connection of a web client. The issue occurred if a population was configured with the property <i>Take the applied population into account</i> activated and the scope of at least one of its variable set to <i>Session context</i> .	> WebVue Also in: 12.0.27



Fatal error with the combo-box control (SPR #69880) Under circumstances, a fatal error of the Web & Mobile back end station could occur when opening a mimic in a web context. The issue pertained to scripting of a combo-box control that did not exist in the mimic.	Web Server Extensions > WebVue
Incorrect handling of the Beep on new alarm property (SPR #70460, 70222)  The property Reep on new alarm on a user profile was incorrectly handled, leading to	Web Server Extensions > WebVue
The property <i>Beep on new alarm</i> on a user profile was incorrectly handled, leading to unwanted beeps on mimic opening even without active alarms.	Also in: 12.0.27
Incorrect min and max scale in Trend viewer legend (SPR #69779)  Min and max scales were incorrectly displayed in the legend of a Trend viewer for empty trends. The issue occurred after using the SCADA Basic instruction TREND modes CLERAVAR (or CLEARALL) and SETVAR.	Web Server Extensions > WebVue
Instruction ALARMDISPLAY modes AFTER and BEFORE - No longer working (SPR #69345) The instruction ALARMDISPLAY modes AFTER and BEFORE were no longer working in WebVue.	Web Server Extensions > WebVue
Instruction TREND mode SETVAR - Argument ClearFlag not taken into account (SPR #70015)  The argument ClearFlag of the SCADA Basic instruction TREND mode SETVAR was not correctly taken into account in a web context. When executed with the same variable name, the instruction had no effect.	Web Server Extensions > WebVue
Instruction TREND mode SETVAR - Historical mode (SPR #69401) The SCADA Basic instruction TREND mode SETVAR was not working properly in historical mode.	Web Server Extensions > WebVue
Instruction TREND mode SETVAR - Legend not filled up properly (SPR #69098) When adding a trend with the SCADA Basic instruction TREND mode SETVAR in a web context, the trend label in the legend was not correctly updated with the variable name when its description was empty.	Web Server Extensions > WebVue Also in: 12.0.27
Instruction TREND modes CLEARVAR and SETVAR - Support for branch (SPR #70112) The mimic branch was not correctly taken into account when using the instruction TREND modes CLEARVAR and SETVAR in a web context.	Web Server Extensions > WebVue
Popup mimic failed to open from the Tree-view control (SPR #70245) Under some circumstances, mimics failed to open when clicking quickly on Tree-view nodes configured with link open animations to open popup mimics.	Web Server Extensions > WebVue
<b>Popup mimic opening position</b> (SPR #70286) The opening position of a popup mimic was no longer taken into account. They were always opened at their last saved position.	Web Server Extensions > WebVue
<b>Position animations</b> (SPR #70458) Fix of several issues related to the position animations when used in a web context.	Web Server Extensions > WebVue
Support for #@1 to #@12 in the Alarm viewer (SPR #70381, 69931, 66293) The substitution strings for variables' branch segments #@1,#@2#@12 are now supported by the Alarm viewer in a web context.	Web Server Extensions > WebVue
Support for @#V in the Trend viewer (SPR #70157) The Trend viewer now supports the substitution @#V used to refer to the context variable in a web context.	Web Server Extensions > WebVue Also in: 12.0.27
Trend display in future (SPR #69468) When displaying a time period partly in the future with a Trend viewer (current day for example), trends were incorrectly displaying a straight line from the last known value to the end of the displayed period.	Web Server Extensions > WebVue



#### Truncated display when switching to full screen (SPR #70168)

Under some circumstances, mimics display could be truncated when switching to full screen mode. The issue occurred with mimics larger than the window.

Web Server Extensions

> WebVue

#### 3. Enhancements

#### Time synch type (SPR #70724)

For time synch requests, the type (Serial vs LAN) is now configurable in the Advanced properties of the DNP3 device configuration item.

Data Acquisition > **DNP3 Client** 

#### Configurable request timeout (SPR #70209, 67340)

A new global setting Request timeout is available (default 30 sec). It can also be overridden at device level.

Data Acquisition > IEC

61850 Client

Prior to this enhancement the time-out was fixed at 30 sec.

#### Omron FINS - Support for EM and HR (SPR #70736)

The data acquisition Omron FINS over IP now supports access to the EM and HR

Data Acquisition > Other built-in drivers

#### Improved control of the DEP system configuration (SPR #70359)

As part of the support for Windows 11 and Windows Server 2022, the control of the system configuration for DEP is improved (Data Execution Prevention). The implementation now overrides the system-wide policy by attempting to automatically disable DEP for sv32.exe and AlExplorer.exe processes. The system DEP policy setting must be Optln (default setting for Windows client versions), OptOut (default setting for Windows Server versions), or AlwaysOff.

General

If the system DEP policy is AlwaysOn, the PcVue application returns an error on startup and then stop.

The same goes for FrontVue.

#### **New HMI option for tabbed mimic** (SPR #70453)

A new HMI option called Windows. Tab Mimics. Close container mimic when closing a tab using link animation or scripting is available.

It enables closing the parent mimic when a link animation or a SCADA Basic program is triggered from within a tabbed mimic requesting it to be closed.

The option defaults to false for existing project and to true for a new project.

#### HMI

#### **Execution of Scheduled actions (SPR #70355)**

It is now possible to define if a Scheduled action has to be executed:

- At project startup,
- Upon modification,
- When the system clock is adjusted.

Miscellaneous

#### 4. Installation

# Installation failure on Windows 7 SP1 and Windows Server 2008 R2

(SPR #70329, 70199)

The Feature Release 15.2 failed to install on Windows 7 SP1 and Windows Server 2008

This is a known issue in 15.2.0 and 15.2.1

Installation

### Security

#### **OPC UA Gateway version 1.5.9**

Update of the installation package of the OPC UA Gateway available in the Add-ons & Tools section of the DVD.

This version of the OPC UA Gateway addresses the following security vulnerabilities:

- CVE-2021-45117
- CVE-2022-0778

See our Security alert page for more information.

Add-ons and Tools

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## 6. Other fixes & enhancements

SPR #68671, 70335, 70336, 70350, 70371, 70466, 70507, 70512, 70595, 70603, 70604, 70631





# 12. Maintenance Release 15.2.1 (15.2.01900)

#### 1. Fixes

Local variables set to NS COM LAN after server restart (SPR #70306)

6) **Networking**COM

Under some circumstances, the quality of local saved variables could be set to NS COM LAN after the restart of a passive server. The issue only occurred if the subscription to the active server was not completed before the timeout period (1 min).

#### 2. Enhancements

Quality extraction (SPR #70213, 70123)

Quality was not correctly extracted and interpreted when it had a value different from 0.

Communication interfaces > MQTT Pub-Sub

#### SetDataSet enhancements

When updating a variable with the SetDataSet method, it is now possible:

To update its value even if the quality remain invalid,

 To only update its quality and timestamp by using a VT\_EMPTY structure as the current value. Development kits > SV Manager Toolkit

#### 3. Installation

#### Documentation update

The product documentation has been updated:

• Online help in Russian - Now at the level of version 12.

General > Documentation

Also in: 12.0.27

#### Sentinel System driver 7.6.1

Update of the installation package for the Sentinel System driver.

General > Licensing

Also in: 12.0.27

# 4. Security

## Dream Report version 2020 R2 SP1

Update of the installation package for Dream Report available in the Add-ons & Tools section of the DVD.

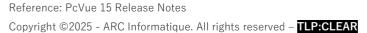
This version of Dream Report addresses the following security vulnerabilities:

- CVE-2020-13532
- CVE-2020-13533
- CVE-2020-13534
- CVE-2021-21957

See our Security alert page for more information.

Add-ons and Tools

Also in: 12.0.27





# 13. Feature Release 15.2.0

## 1. New features

<b>Modeling of Sql Variables</b> It is now possible to model the mapping of variables onto the Sql data acquisition driver in a template.	Configuration Environments > Application Architect
Modeling of IEC 101 & IEC 104 configuration items (SPR #68838, 68829, 68549)  Definition of IEC 101 configuration items - Devices, Sectors and Standby devices - and IEC 104 Standby devices in templates and instances.	Configuration Environments > Application Architect
New data acquisition driver - Omron FINS TCP A data acquisition driver for Omron FINS over TCP is now available.	Data Acquisition > Other built-in drivers
New data acquisition driver - Modbus RTU over IP  A data acquisition driver is now available to support communication with PLCs requiring the use of Modbus RTU payload over a TCP connection.	Data Acquisition > Other built-in drivers
Predefined Sql write queries (SPR #69815) In addition to Sql read queries, it is now possible to predefine Sql write queries. They are designed to handle commands for variables mapped onto the Sql driver.	Data Acquisition > Sql
<b>Expression on text variables</b> (SPR #64556) String-based expressions are now supported throughout the product, including expressions on variables with a result variable of type Text, expression templates and animations on a text value.	General
Instruction GETARG - New mode GETREGION (SPR #17611, 17029, 15919, 14982, 13618) A new mode GETREGION is available for the instruction GETARG. If the script is called	Scripting > SCADA Basic
from an animation, it returns the region where the calling mimic is located.	
	Scripting > SCADA Basic
from an animation, it returns the region where the calling mimic is located.  Instruction GEOLOCATION - New mode GETLASTSCANTIME (SPR #69573)	. •

Reference: PcVue 15 Release Notes



# 2. Fixes

<b>Busbar coloring - Handling of uncertain voltage</b> (SPR #69355) Uncertain voltages were not correctly propagated to downstream nodes.	Add-ons and Tools Also in: 15.1.2
EtherNET-IP - Attributes 3 to 5 ignored (SPR #69250) It was not possible to use text extended attributes 3 to 5 to configure variables for the EtherNET-IP add-on.	Add-ons and Tools Also in: 15.1.1
Fatal error on alarm apparition (SPR #69996, 69874) Under some circumstances, a fatal error could occur when a new alarm was triggered while a log request was in progress if the alarm matched the log request filter criteria.	Alarms Also in: 12.0.25
Wrong alarm timestamp set (SPR #69559) Fix of regression, since 12.0.20 and 15.0.0, writing the value of an alarm in a SCADA Basic script was causing the timestamp to be changed even if the value was the same.	<b>Alarms</b> Also in: 15.1.3, 12.0.24
Fatal error with OPC Server interface (SPR #68813) Under some circumstances, a fatal error could occur when using the OPC Server interface, due to some resources not being released properly.	Communication interfaces > OPC Server Also in: 15.1.1, 15.0.3, 12.0.22, 11.2.06099
Fatal error on alarm creation (SPR #69232) Under some circumstances, a fatal error occurred when creating an alarm if the text extended attributes were configured to store the alarm timestamps (Alarm on, Alarm Ack and Alarm Off).	Configuration Environments Also in: 15.1.1
<b>Documentation not saved nor loaded</b> (SPR #69921) Since version 15, documentation was no longer loaded nor saved due to a file format change.	Configuration Environments > Application Architect Also in: 15.1.5
Could not set the value of a parameter (SPR #68854) It was not possible to set the value of a parameter when it was defined with its <i>Element type</i> set to <i>Associated Label</i> .	Configuration Environments > Application Architect
Hierarchy not consistent in generated files (SPR #69068) Under some circumstances, the instances hierarchy in application files was not correctly applied leading to incorrect generated files.	Configuration Environments > Application Architect
Naming rule not evaluated (SPR #68550) Under some circumstances, the naming rule of an item could not be evaluated when defined by a parameter.	Configuration Environments > Application Architect
Fatal error on Log report modification (SPR #69558) A fatal error occurred when modifying or creating a Log report while the print spooler service was unavailable.	Configuration Environments > Application Explorer Also in: 15.1.4, 12.0.24, 11.2.06101
Could not create an Open mimic geo action (SPR #69006, 68949) Under some circumstances, it was not possible to create a geo action of type Open mimic due to an incorrect syntax checking.	Configuration Environments > Application Explorer Also in: 15.1.1

Reference: PcVue 15 Release Notes

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DDE Client - Fatal error (SPR #69385) Under some circumstances, a fatal could occur when linking a variable to an Excel file with DDE.	<b>Data Acquisition</b> Also in: 15.1.2
Fatal error with notification event	Data Acquisition >
A fatal error occurred upon reception of an event notification of type change-of-characterstring.	BACnet Client Also in: 15.1.3
Write priority not taken into account (SPR #69239, 69171) Since version 15.0.0, the priority of the 1st command sent for a BACnet variable was always set to 16 (the Write priority property of the variable was ignored). The Write priority property was correctly taken into account for subsequent commands. Depending on the BACnet server implementation, the issue could occur again after a re-start of the server controller.	Data Acquisition > BACnet Client Also in: 15.1.1
Fatal error on Binary input update (SPR #69186) Under some circumstances, a fatal error could occur when trying to update a Binary input value while the device was unavailable.	Data Acquisition > DNP3 Client Also in: 15.1.5
Cyclic polling executed only on redundant field device (SPR #69846) In a redundant configuration, only the redundant field device was triggering cyclic polling.	Data Acquisition > DNP3 Client Also in: 15.1.5
Fatal error on device deletion (SPR #69405) Under some circumstances, a fatal error occurred when deleting a DNP3 Device or Standby device right after its creation.	Data Acquisition > DNP3 Client
Fatal error when sending a command (SPR #68508) Under some circumstances, a fatal error occurred when sending a command to a device that had never been successfully connected.	Data Acquisition > DNP3 Client Also in: 15.1.2
Timestamp type configuration (SPR #69324)	Data Acquisition >
It is now possible to select how the timestamp of data should be interpreted. It can be either Local or UTC (default).	DNP3 Client
For compatibility reasons, the new setting is set to <i>Local</i> for already configured devices.	Also in: 15.1.2
Several fixes in the IEC 61850 client (SPR #69617, 69591, 69028, 65630)  The list of fixes includes:  A connection request was sent twice when a report group was duplicated configuration,  The Application Explorer froze after starting communication with an IED if the	Data Acquisition > IEC 61850 Client Also in: 15.1.4
logical devices could not be browsed (empty descriptors),  It was possible to open multiple dialog for adding redundant RCB,  Syntax control was incorrect for the variable name in the mapping dialog.	
Fatal error when opening a destination folder (SPR #69025)  A fatal error occurred in the File transfer helper when trying to open the destination folder of an invalid file. Now the associated link is disabled when the file/folder is invalid or unavailable.	Data Acquisition > IEC 61850 Client

Reference: PcVue 15 Release Notes

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**Several fixes in the IEC 61850 client** (SPR #69562, 69525, 69485, 69479, 69473, 69429, 69398, 69397, 69372, 69354, 69220, 69058, 69024, 68989) The list of fixes includes:

- Incorrect behavior in the Application Explorer when validating a variable mapping with only an IEC 61850 network selected,
- Update of the list of error codes corresponding to the AddCause for the M61850 SCADA Basic instruction. It now matches the AddCause enumeration as defined in the IEC 61850 ed 2.1 standard,
- The Application Explorer could freeze when enabling/disabling the Send RptId property while the device was still in the connecting state or if the corresponding attribute of the Report Control Block was not writable for some reasons.
- The time quality sent as part of a control was incorrect for BSC Data Objects,
- Fix an incorrect behavior when controlling a Data Object with a CtlVal Data Attribute of type bitstring (typically BSC and BAC Data Objects),
- Improved error management while browsing, the mapping dialog could freeze if an MMS PDU max size error occurred,
- Update of the Common Data Classes catalog to fit changes and new CDCs in the IEC 61850-7-3 ed2 and ed2.1,
- Offline mapping with redundant reports did not work properly,
- Improved behavior of the mapping dialog if the connection to an IED is lost while in online mode,
- Fix of a fatal error of PcVue when changing the mapping of a variable from a Data Object to a Data Attribute,
- Fix of an incorrect behavior related to the handling of the trial mode causing a freeze of the Application Explorer when starting or stopping an IEC 61850 communication object,
- The SCL attribute LDName is now used if it exists when using the offline browsing and mapping,
- Improved automatic naming when mapping to a new variable. '-' are now replaced by '\_' to fit the syntax constraints of a variable name,
- Under some circumstances, the Application Explorer could freeze when changing the dataset associated to a report group,
- If a report group is in an error state related to configuration configured dataset does not exist in the IED for example it will no longer try to reconnect automatically. Automatic reconnection is still in place if the error state is related to typical runtime errors (loss of connection for example),
- Under some circumstances, a fatal error of the Application Explorer and repeating disconnection/reconnection could occur. The issue was related to the handling of the object-access-denied error when writing a Report Control Block attribute

## Data Acquisition > IEC 61850 Client

Also in: 15.1.3



**Several fixes in the IEC 61850 client** (SPR #69432, 69429, 69398, 69387, 69386, 69374, 69372, 69371, 69365, 69361, 69358, 69353, 69352, 69351, 69350, 69347, 69219, 69174, 69122, 69112, 68976, 68961)

Also in: 15.1.2

The list of fixes includes:

- Incorrect datatype filter in the variable selector when opened from the mapping
- Under some circumstances, the variable type was changed when mapping on an existing variable from the mapping dialog,
- A fatal error could occur upon connection if the configuration included a dataset with a long name,
- DE, SBO and SBOw commands executed from a SCADA Basic script failed with error -6 (incorrect variable type) for variables mapped on any CDC type other than SPC and DPC (bit variables),
- A fatal error occurred when executing a command from a SCADA Basic script for a variable mapped on a DO of type BSC,
- Fix the catalog for the mapping of the BAC CDC,
- Fix of a regression, since 11.2.06092 & 15.0.0 writing a variable mapped onto a Data Attribute no longer worked,
- PcVue could freeze when sending a command if the command response comprised an unknown/unsupported data structure,
- Fix the error handling when receiving the response- object-access-denied upon sending a Select command,
- The max length of a report Id is now 129 characters (was 65),
- The timestamp quality was not properly set when sending a command,
- Traces added when commands are sent in test mode,
- Fix of a memory leak occurring when stopping or deleting a device while connection was still in progress,
- Under some circumstances, the Application Explorer could freeze when a report Id was changed at the device level while configuring a report group,
- Under some circumstances, the Application Explorer could freeze when starting a report group missing some required configuration properties.

### DataGroup variables not refreshed after network disconnection/reconnection (SPR #68663, 68619)

Since release 15.0.0, status of variables mapped to a DataGroup were not correctly refreshed and remained NS COM after a network disconnection/reconnection.

#### **Several fixes in the IEC 61850 client** (SPR #69177, 69151, 69128)

The list of fixes includes:

- PcVue could freeze when sending a control if the IED did not expose the proper Data Attributes for a controllable DO,
- The Application Explorer could freeze when activating traces on an existing report group, or upon a configuration change of a report (from a nonredundant to a redundant and vice-versa),
- Misleading Error 0 traced upon creation of a report group,
- A fatal error could occur under some circumstances when changing the configuration of a variable while a read or write request was being executed.

### **Fatal error on disconnection** (SPR #69276, 66623)

Under some circumstances, a fatal error could occur when disconnecting from an OPC

#### Improper NS SPEC status for OPC variables (SPR #69149)

Under some circumstances, OPC variables were displayed with the NS SPEC status instead of NS on passive servers and client stations.

#### **OPC** items with bad quality not ignored (SPR #69148)

Since version 11.1, the setting defined in the OPC Server configuration that allows ignoring the value of an item with quality Bad was not working properly with bit and alarm variables.

### Data Acquisition > IEC 61850 Client

Data Acquisition > IEC 61850 Client

Also in: 15.1.1

### Data Acquisition > IEC 61850 Client

Also in: 15.1.1

Data Acquisition > OPC Client

Also in: 15.1.2, 12.0.23

### Data Acquisition > OPC Client

Also in: 15.1.1

### Data Acquisition > OPC Client

Also in: 15.1.1, 15.0.3, 12.0.23, 11.2.06099



IP-ISO-S7 & S7-IP-MASTER drivers - Encoding of string values (SPR #69415) String encoding was not correctly handled for Siemens data acquisition drivers. Using the advanced property <i>Source encoding</i> , the encoding can now be set to <i>Siemens string</i> for text variables mapped to a source IP-ISO-S7 or S7-IP-MASTER.	Data Acquisition > Other built-in drivers
Signed float 32-bit not correctly interpreted (SPR #69260) Variables of type Signed float 32-bit were not correctly interpreted and were set with status NS FMT when using the Swapped word format.	Data Acquisition > Other built-in drivers Also in: 15.1.1
Fatal error on Sql query parameter reset (SPR #69183) Under some circumstances, a fatal error occurred when resetting the value of a query parameter.	Data Acquisition > Sql
Export not generated or incomplete (SPR #69907) Since release 15.1.0, Data Export was no longer working due to an incorrect range calculation when the property Append after last row was selected.	Data Export Also in: 15.1.5
Fatal error with export of aggregated statistic (SPR #69908) A fatal error occurred when exporting aggregated statistics with only the description header.	Data Export Also in: 15.1.5
Error message when exporting aggregated statistics (SPR #69284) An incorrect error message was displayed when running an export with the property Export aggregated statistics set but without the option Export statistics.	Data Export
Error with text variable in Data export name (SPR #69664, 68837, 68832)  Text variables were not correctly supported when used in the Name property of a Data export item.	<b>Data Export</b> Also in: 15.1.5, 12.0.29
Could not export without the variable name (SPR #69560, 69226)  A data export failed to export a trend page if it was not configured to include the variable name in the header.	Data Export Also in: 15.1.3
<b>Detection of permissions on output folder</b> (SPR #69521) The verification of permissions on the Export folder could be incorrect if it was a shared folder.	Data Export Also in: 15.1.3
Incomplete statistics log export (SPR #69203) Under some circumstances, log statistics exports were incomplete due to an incorrect line calculation.	Data Export Also in: 15.1.2
Incorrect aggregated value (SPR #69283, 67600) Under some circumstances, invalid aggregated values were exported. The issue occurred when no record was found in the exported time period, causing a random value to be exported.	<b>Data Export</b> Also in: 15.1.2, 12.0.23
Additional empty line (SPR #69119) When exporting logged events, an empty line was inserted between the header and the values.	<b>Data Export</b> Also in: 15.1.1, 15.0.3
ControlMinValue and ControlMaxValue not refreshed (SPR #69152) Despite being correctly set, the ControlMinValue and ControlMaxValue properties of a variable were not correctly refreshed after calling the SetVariableAttributes method.	Development kits > SV Manager Toolkit Also in: 15.1.1
Error message on loading of a threshold variable (SPR #67115)  Due to a tighter control of the configuration, the error message 19412 was traced when the scope of a threshold variable did not match that of the register variable it was linked to. The scope of a threshold variable is now automatically set to match that of the register variable it is linked to. The same goes for the server and client lists.	General



Reference Project & Library system variables not refreshed (SPR #69579, 69113)	General
The system variables Version.Reference.ProjectIsNotCurrentRef and Version.Reference.LibraryIsNotCurrentRef were only refreshed on version number change, they are now also refreshed when the project or library content is updated.	
<b>Binary attributes not correctly loaded</b> (SPR #69871) Since version 10.0, the binary attribute 32 was not correctly loaded at startup when it was set to 1. In such a situation, all the binary attributes were set to 1 except the binary attribute 32.	<b>General</b> Also in: 15.1.5
Fatal error on project migration (SPR #66997)  A fatal error could occur when migrating a project developed with versions 10.0 SP1 to 12. The issue was due to a misinterpretation of a legacy field in the networking configuration.	<b>General</b> Also in: 15.1.5
<b>Expression engine - StrToTS returns an incorrect value</b> An incorrect value was returned when using the function <i>StrToTS</i> format with the <i>YY</i> year format.	General
Fatal error after online help opening (SPR #69346, 69266) Since version 15.1.0, a fatal error occurred when opening the online help from the SCADA Basic Editor to display the help associated to an instruction.	<b>General</b> Also in: 15.1.2
Alarm timestamps not saved (SPR #69032) When an alarm was configured with the <i>Saved</i> property enabled, not all of its timestamps ( <i>AlaOn, AlaAck, AlaOff</i> ) were stored. Only the timestamp of its last state was recorded. These timestamps can be used in the Alarm viewer.	<b>General</b> Also in: 15.1.1, 15.0.3, 12.0.22
AD group names with non-latin characters (SPR #68705) Active Directory group browsing failed when the name of a group comprised non-latin characters.	General > User management
Upgrade Could no longer create a version (SPR #69196) Since version 15.0.0 and the introduction of the 3-digits scheme for project and lib versioning, it was no longer possible to create a version having a Major or Minor number greater than 100. It was still possible to update and load versions, but creating a new version on top of an existing one was leading to a fatal error when exceeding this limit. This is a known issue in 15.0.0 to 15.0.2 and 15.1.0 to 15.1.1	General > Version management Also in: 15.1.1, 15.0.3
HDS - Batch size setting ignored The global setting MaxBookmarkInTable defined in the file Bin\HDS.ini was ignored, the batch size was always set to 15 records.	Historical data
Proprietary archives - Support for comma in log list (SPR #69189)  Extended attributes including comma characters were incorrectly recorded in log lists on proprietary archive units.	Historical data
<b>Wrong language for the event title</b> (SPR #64121) The property <i>Archive language</i> was not taken into account for the field <i>Event title</i> in HDS databases. The language corresponding to the <i>Configuration 1</i> was always used for this field.	Historical data Also in: 15.1.3
Fatal error with large .hds temporary file (SPR #73098, 69357, 66782)  A fatal error occurred when the size of a temporary file exceeded 2 Gb.  From now on, these files are limited to 2 Gb and are indexed when reaching this limit.	<b>Historical data</b> Also in: 12.0.30
Improved robustness when loading symbols (SPR #69143) Improved robustness and tracing when a symbol failed to load due to syntax or configuration issues.	НМІ
Mimic not saved upon closure (SPR #68633) The prompt to save a modified mimic in design failed to open after modifying the size if its Size parameter was set to Scale mimic to fit window.	НМІ



Mimic not opened in the correct region (SPR #69412, 69256) Cached mimic were not opened in the correct region when opened via a VBA script.	HMI Also in: 15.1.2
Clipboard paste (SPR #68372)  Better control of the clipboard Paste command to prevent side effects when the type of data contained in the clipboard is not supported and not supposed to be pasted in a mimic.	<b>HMI</b> Also in: 15.1.2, 12.0.23
<b>Aknowledgment, masking and unmasking not disabled</b> (SPR #69787) It was still possible to acknowledge, mask or unmask alarms even if the alarm viewer was configured not to permit it via properties in the <i>Execution</i> tab.	HMI > Alarm viewer
<b>Tooltip truncated</b> (SPR #69339) Under some circumstances, the tooltip of an animation was truncated.	<b>HMI</b> > <b>Animations</b> Also in: 15.1.3, 12.0.24 11.2.06101
Tree-view control - Text and User data deleted on edit (SPR #69470, 68985) The value of <i>Text</i> and <i>User data</i> of a Tree-view control item where deleted when entering the edit mode of their respective field.	HMI > Form controls Also in: 15.1.3
Ctrl+Z not working (SPR #69462) Undoing mimic modifications was not working properly when graphic elements were moved using the keyboard arrow keys.	HMI > Graphics
Several fixes related to the Log viewer (SPR #69632, 69629)  The list of fixes includes:  When resuming the auto-refresh, the list of events was not correctly refreshed,  Auto-refresh was deactivated when the user requested the most recent events (using line or page navigation buttons).	HMI > Log viewer Also in: 15.1.4
Fatal error with Map positioning animation (SPR #69541) A fatal occurred with the Map positioning animation when the selected layer was not displayed.	HMI > Map control
Markers not displayed correctly (SPR #69519) Under some circumstances, markers were not displayed correctly when changing the zoom level while having the setting <i>Keep invisible markers in memory</i> enabled.	HMI > Map control Also in: 15.1.5
Fatal error when adding trends by script (SPR #69477) A fatal error occurred when removing and adding trends to a Trend viewer via a SCADA Basic script.	<b>HMI</b> > <b>Trend viewer</b> Also in: 15.1.3, 12.0.24 11.2.06101
Expression engine - Access to binary attributes 31 and 32 (SPR #69748) It was not possible to use Binary Attributes 31 and 32 in the expression engine.	Miscellaneous
Several fixes related to Recipes (SPR #69322)  The list of fixes includes:  An incorrect error message was displayed when a recipe file name was over 8 characters,  A fatal error occurred when validating a recipe without a title or recipe number,  Under some circumstances, updating the title or recipe number was not taken into account or created a duplicated recipe.	Miscellaneous Also in: 15.1.5, 12.0.24
Variables @DATE & @TIME not updated (SPR #69349) Under some circumstances, the variables @DATE and @TIME could no longer be updated. The issue occurred after having applied a population.	Miscellaneous Also in: 15.1.4, 12.0.24
Json path not recognized (SPR #69202) Under some circumstances, some Json paths were not correctly interpreted by the JsonGetValue function of the expression engine. The issue occurred when the Json path ended with an array index, for example JsonGetValue(value, 'value.temperature.values[0]') This function is typically used with the MQTT Add-on.	<b>Miscellaneous</b> Also in: 15.1.1



Status of variable NS COM LAN at startup (SPR #69929) Under some circumstances in an architecture with multiple server associations, variables could remained NS COM LAN after a client startup and until a variable change occurred.	<b>Networking</b> Also in: 15.1.5
Fatal error after a variable modification (SPR #69898) Under some circumstances, with an architecture having a single active server association for data acquisition, a fatal error could occur if a configuration modification of an I/O variable was done on the active server. The issue was a regression since 15.0.0 and could only occur if the server had switched from passive to active at least once.	Networking
System variable AutomaticLogoffRemainingTime not updated (SPR #69511)  The variable System.Localhost.User.AutomaticLogoffRemainingTime was not correctly updated when the project contained multiple stations. The equivalent variable in the branch System. <stationnumber> was correctly updated.</stationnumber>	Real time data
Instruction EXCELTOBUF - Memory leak (SPR #70005)  A memory leak occurred when executing the instruction EXCELTOBUF. Its size depended on the file size.	Scripting > SCADA Basic
Instruction FORMAT - Fatal error with numeric value (SPR #68632) Under some circumstances, a fatal error could occur when using the instruction FORMAT with a numeric value and the %s format.	Scripting > SCADA Basic
Instruction FTP modes DOWNLOAD & UPLOAD - GDI object leak (SPR #69306) A GDI object leak occurred when using the SCADA Basic instruction FTP with modes DOWNLOAD and UPLOAD.	Scripting > SCADA Basic Also in: 15.1.4, 12.0.24
Instruction MDNP3 - Arguments not recognized (SPR #69348, 69186) When using the instruction MDNP3, some arguments defined in the syntax 11 (modes related to CROB) were only recognized if using their numeric value. MDNP3 (Mode, Variable, OpType, Queue, Clear, TripClose, Count, OnTime, OffTime[, ResultVar]); This was affecting the arguments OpType, Queue, Clear and TripClose.	Scripting > SCADA Basic Also in: 15.1.4
Instruction ANIMATION mode EXECUTE - Incorrect return value (SPR #69264) The instruction ANIMATION mode EXECUTE always returned 1 even when the animation to trigger did not exist.	Scripting > SCADA Basic
Instruction STATION_FILTER with Log viewer in WebVue The instruction STATION_FILTER did not apply population filters properly for Log viewers in WebVue.	Scripting > SCADA Basic
Instruction WEBVUE mode MULTIMEDIA - Fatal error when in the Main sub (SPR #69449)  A fatal error occurred when executing the instruction WEBVUE with mode MULTIMEDIA from the Main sub of a SCADA Basic program.	Scripting > SCADA Basic Also in: 15.1.2
Instruction EXPORT - Fatal error with a static export file name (SPR #69293)  A fatal error occurred when calling the instruction EXPORT if the referenced export had a statically defined export file name, i.e. a name not defined by an expression.	Scripting > SCADA Basic Also in: 15.1.1
Instruction LISTBOX modes GETUSERDATA & GETTEXT - Returned an empty string (SPR #68787) Under some circumstances, the instruction <i>LISTBOX</i> modes <i>GETUSERDATA</i> and <i>GETTEXT</i> returned an empty string when executed from a web client for a newly added item (i.e. added with mode <i>INSERT</i> or <i>LOAD</i> )	Scripting > SCADA Basic Also in: 15.1.1



Upgrade Instruction LOGDISPLAY mode LINESELECT - Inconsistent result between desktop client and WebVue (SPR #66032)  The instruction LOGDISPLAY mode LINESELECT did not return the same Xml fragment when executed from a desktop client or from WebVue. The Xml content has been harmonized and now only returns the variable name.  Scripts written for WebVue using this instruction need to be updated accordingly.	Scripting > SCADA Basic Also in: 15.1.1
Instructions CHECKBOX, LISTBOX & OPTIONLIST mode REMOVE - Incorrect return value (SPR #69155) Calling the mode REMOVE of instructions CHECKBOX, LISTBOX and OPTIONLIST always returned 0. It now returns 1 when successful and 0 otherwise, as described in the online help.	Scripting > SCADA Basic Also in: 15.1.1
Instruction MAPDISPLAY - Fatal error with modes LOADDEFAULT and EXPORT (SPR #69019) Under some circumstances, a fatal error could occur when calling the modes LOADDEFAULT and EXPORT in sequence.	Scripting > SCADA Basic Also in: 15.1.1, 12.0.23
Symbols not displayed on tiles (SPR #69551) Under some circumstances, symbols were not displayed on tiles when using a Web & Mobile Back end license.	SnapVue Also in: 15.1.4
Animation not played correctly (SPR #69983) Under some circumstances, animations were not played correctly when the mimic contained a Trend viewer in real-time mode and was opened with a branch.	Web Server Extensions > WebVue
Filtering Log viewer alarms with level 0 only (SPR #70046) It was not possible to filter alarms in a Log viewer to view only alarms with level 0. When setting the filter from level 0 to level 0, the max level was automatically set to 29.	Web Server Extensions > WebVue
Trend viewer scrolling back in time (SPR #69565) Under some circumstances, when using the trend viewer scrollbar, it was not possible to scroll back in time up to when the mimic was open (as for the PcVue desktop trend viewer).	Web Server Extensions > WebVue Also in: 15.1.5
Cursor and zoom in Trend viewer stopped working (SPR #68784, 68781, 66100, 66048) Several fixes related to the zoom and cursor features of the Trend viewer. After multiple actions, the cursor and zoom were no longer working.	Web Server Extensions > WebVue
Invalid period not correctly rendered in the Trend viewer (SPR #67718)  The line drawn from an archived valid value to the current real time value was not correct if the current status was NS.	Web Server Extensions > WebVue
<b>Truncated mimic</b> (SPR #69843)  Mimic were incorrectly displayed and truncated when the setting <i>Scale mimic to fit window</i> was activated and the mimic needed to be up scaled.	Web Server Extensions > WebVue
<b>Fatal error on client session closing</b> (SPR #69878) A fatal error occurred when closing a web session while a Sql query was still in progress.	Web Server Extensions > WebVue Also in: 15.1.5
Incorrect color for Alarm On and Alarm Off events (SPR #69800) The configured text color for the events Alarm On and Alarm Off was not correctly taken into account in the Log viewer and were always displayed with a white color.	Web Server Extensions > WebVue Also in: 15.1.5



Several fixes related to the Log viewer (SPR #69746, 69699, 69668, 69666, 69632, 69629, 69535)  The list of fixes includes:  • When resuming the auto-refresh, the list of events was not correctly refreshed, • Auto-refresh was deactivated when the user requested the most recent events (using line or page navigation buttons), • Under some circumstances, the viewer was not emptied after a request that returned no line, • The active filter and sorting order could be reset when using the auto-refresh option, • The navigation scrollbars were moving atop when the auto-refresh option was activated, • The dialog box title displayed in the calendar selector was undefined.	Web Server Extensions > WebVue Also in: 15.1.4
Residual input with Send Text/Register animation (SPR #69698, 69697, 69692, 69691, 69672, 69670) Under some circumstances, a residual text was visible when entering a new value using the Send Text or Send Register animations. The issue occurred when the supporting text element was defined with a transparent background.	Web Server Extensions > WebVue
Rotated text truncated (SPR #68935) Under some circumstances, rotated texts were incorrectly rendered. They were truncated when embedded in a symbol.	Web Server Extensions > WebVue Also in: 15.1.5
Line selection in List-box form control (SPR #68780) When a line was not completely visible in a List-box form control (with horizontal scrollbar), selecting it was not highlighting the whole line.	Web Server Extensions > WebVue
Log viewer emptied upon scrolling (SPR #69486) Under some circumstances, a Log viewer could be emptied while scrolling up or down with the mouse.	Web Server Extensions > WebVue Also in: 15.1.3
Inconsistent language for system messages (SPR #68782) Some system messages were displayed using the server language instead of the client language.	Web Server Extensions > WebVue
Moving mimics outside of the viewport (SPR #66078)  Mimics can no longer be moved outside of the left and top viewport borders, and a scrollbar appears when moved out through the bottom or the right border.	Web Server Extensions > WebVue
Could no longer minimize the toolbar (SPR #69377, 69289) Under some circumstances, it was no longer possible to minimize the system toolbar.	Web Server Extensions > WebVue Also in: 15.1.3
<b>Trend viewer background color not applied</b> (SPR #69375, 69270) Fix of a regression, the configured background color was no longer applied to the Trend viewer.	Web Server Extensions > WebVue Also in: 15.1.3
Associated actions not working (SPR #69329) Since version 15.0.0, associated actions were no longer working in a web context.	Web Server Extensions > WebVue Also in: 15.1.2
Cursor value had incorrect decimal digits (SPR #68786)  The cursor value displayed on the scale ignored the configuration of the max number of digits.	Web Server Extensions > WebVue Also in: 15.1.1
Improper cursor value in Trend viewer (SPR #68934) In a Trend viewer, the cursor column in the legend displayed an improper value after execution of the SCADA BASIC instruction TREND mode SETVAR or CLEARVAR, or after a request to the archives.	Web Server Extensions > WebVue Also in: 15.1.1



Reference: PcVue 15 Release Notes

Could not reconnect to the WebScheduler (SPR #70011) Under some circumstances, it was no longer possible to connect to the WebScheduler due to an incorrect handling of the token expiration on the server side.	WebScheduler
Setting FirstDayOfWeek not correctly taken into account (SPR #69314, 68462) The setting FirstDayOfWeek was not correctly taken into account in the Standard week display.	WebScheduler Also in: 15.1.2, 12.0.23
Exception period not reset for BACnet schedules (SPR #67240) The button to reset exception periods of a BACnet schedule was not effective. In such a case, most BACnet server devices support setting the length of the Exception-Schedule array to 0. For interop with devices that only support a fixed-length Exception-Schedule array, an interop property has been added to the configuration of BACnet devices so that resetting the exception periods does not change the length of the Exception-Schedule array but fills it with Null values instead.	WebScheduler Also in: 15.1.1
Incorrect label for the mode (SPR #69089)	WebScheduler

The displayed label corresponding to the mode of a time interval for a BACnet Schedule was incorrect and not taking into account the corresponding associated label.

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Also in: 15.1.1



### 3. Critical fixes

### Variables no longer archived if No permanent scan for mimic property activated (SPR #68853)

Data Acquisition > BACnet Client

When the setting *No permanent scan for mimics* was activated, the polling frequency was not correctly set at mimic opening for those variables that are also archived, and polling stopped when closing the mimic, causing a potential loss of data for those archived variables.

Data Export

Since Release 15.0.0, when using the mode *Append after last row* for an Excel file, newly exported data could overwrite data exported during an earlier export.

exported data could overwrite data exported during an earlier export.

The issue was due to an incorrect calculation of the last non-empty cell in the Excel file. This is a known issue in 15.0.0 to 15.0.3 and 15.1.0

Also in: 15.1.1

**Memory leaks** (SPR #69240, 69217)

**Data overwritten** (SPR #69285, 69277)

Memory leaks occurred when Web or Mobile clients were connected. The issue was a regression since release 15.0.0.

Web Server Extensions

Also in: 15.1.1, 12.0.24



### 4. Enhancements

<b>License utility - New tab for Server options</b> Options related to Server interface options are now displayed in a separated tab. Prior to this change, they were in the <i>Options</i> tab.	Add-ons and Tools
<b>Dynamic point creation</b> (SPR #69064) Adding IEC104 Outstation points is now dynamically applied and no longer requires restarting the project.	Communication interfaces > IEC 60870-5-104 Outstation
UTF-8 encoding (SPR #69549) The payload is now encoded in UTF-8 for a better support of non-latin languages.	Communication interfaces > MQTT Pub Sub
<b>Sql query editor - Support for Undo and Redo</b> (SPR #69585) The Sql query editor now supports the Ctrl+Z (undo) and Ctrl+Y (redo) accelerators. In addition, decorated text is now pasted as raw text to facilitate copy/paste from rich text editors.	Configuration Environments > Application Explorer
Variable description in DNP3 mapping dialog (SPR #69433) The variable description can now be displayed in the DNP3 mapping dialog box.	Configuration Environments > Application Explorer Also in: 15.1.4
Access to the project folder  A new task <i>Open project folder</i> is available when the project node is selected. It opens the project folder with the Windows file explorer.	Configuration Environments > Application Explorer
Setting task added (SPR #68856) The Setting task is now accessible when the Data analysis node is selected	Configuration Environments > Application Explorer
Maximum number of serial devices (SPR #69254) The maximum number of devices declared for a serial protocol is now limited to 5000 (was limited to 1000).	<b>Data Acquisition</b> Also in: 15.1.1
Driver Ad-Net - Support for broadcast The Ad-Net driver now supports broadcast for requesting devices status.	Data Acquisition > Other built-in drivers
Driver Ad-Net - Configuration dialogs  Configuration dialogs are now available for the Ad-Net data acquisition driver.	Data Acquisition > Other built-in drivers
Mapping of integer values  The value of a bit variable can now be associated to a column of a Sql query result of type integer. If the integer value is different from 0 or 1, then the status of the bit variable is set to NS.	Data Acquisition > Sql
Improvement to triggers Upon completion of a query, it is now possible to execute a secondary query.	Data Acquisition > Sql
Parameters size limitation  Some size limitations have been increased for parameters used in queries:  Parameter description is now limited to 255 characters (was 20)  String parameters' value is now limited to 2048 characters (was 132)	Data Acquisition > Sql
Triggering request on variable value change It is now possible to trigger a Sql read request on a variable value change.	Data Acquisition > Sql



<b>New function in the expression engine - IsDBNull()</b> (SPR #69981)  A new function IsDBNull() is available for the expression engine. It is particularly useful for managing NULL values returned by the Sql data acquisition driver.	<b>General</b> Also in: 15.1.5
New functions in the expression engine  New functions are available in the expression engine:  TSToPosixTime(TS)  PosixTimeToTS(PosixTime)  ToBool()  ToDbl()  TsNow(TSKind)	General
Partial library version (SPR #69644) It is now possible to select only a part of a library (e.g. B directory only) to include in a library version instead of the whole library.	General > Version management
New button Refresh (SPR #69116)  A new <i>Refresh</i> button is available in the Central Project Management dialog box. It allows refreshing information in the dialog box, in particular the list of available versions in the central folder.	General > Version management
New default for popup windows (SPR #69608) From now on, the global setting HMI options.Mimics.Popup.Open by program is by default activated when creating a new project.	НМІ
Large toolbar support for Alarm and Log viewer (SPR #69245) Support for large toolbars to make it easier to use the viewers when using a touch screen. A large toolbar was already available for the Trend viewer.	НМІ
User experience for Send register and Send text animations (SPR #69029)  A new HMI option is available to define at design time if a command should be performed upon pressing the Return key or if it should also be performed when the control loses the focus.	HMI > Animations
<b>Tree-view control - Selection of the default node</b> (SPR #68499) It is now possible to define the default node selection in a tree-view control at mimic opening. This default selection can be enforced by the variable associated to the <i>Index</i> or <i>User data</i> properties.	HMI > Form controls
Tree-view control - Send Text animation with default value (SPR #69214) It is now possible to execute a Send text animation with a default value in direct mode.	HMI > Form controls
Support for substitution strings (SPR #69363) When using the Grid control in variable tracking mode, it is now possible to use substitution strings such as #B in the filter.	HMI > Grid control
Instant Messaging responsiveness Improvement to the responsiveness, the delay when sending and receiving messages is reduced.	Instant Messaging
Instruction SQL_COMMAND - Additional error code  An additional error code SQL_COMMAND_CONNECTION_ALREADY_CLOSE_OR_NOT_INIT has been added to the modes EXECREADER, EXECSCALAR and EXECNONQUERY of the instruction SQL_COMMAND.	Scripting > SCADA Basic
Instruction TREEVIEW modes COLLAPSENODE & EXPANDNODE - All nodes at once (SPR #69359) It is now possible to collapse and expand all nodes at once by passing the argument Nodeld with value 0.	Scripting > SCADA Basic



Instruction TREEVIEW modes SETTEXT and SETUSERDATA - Support for WebVue (SPR #66636) The modes SETTEXT and SETUSERDATA of the instruction TREEVIEW are now fully supported in WebVue.	Scripting > SCADA Basic
<b>Instruction TREND - New mode SETSAVERUNTIMEPROPS</b> (SPR #69366) A new mode <i>SETSAVERUNTIMEPROPS</i> is available for the instruction <i>TREND</i> . It enables setting the property <i>Save runtime properties</i> of a Trend viewer.	Scripting > SCADA Basic
Instruction WINDOW - New mode GETSELECTEDTAB (SPR #68740)  A new mode GETSELECTEDTAB is available for the instruction WINDOW. It returns the index of the active tab of a mimic (1-based).	Scripting > SCADA Basic
Instruction WINDOW - New mode GETTAB (SPR #68740)  A new mode GETTAB is available for the instruction WINDOW. Depending on a submode (BRANCH, NAME or CAPTION), it returns the branch, name or caption of the tab index passed as argument.	Scripting > SCADA Basic
Instruction TREND - New modes GETCONFIG, GETCONFIG_ASYNC & SETCONFIG (SPR #69185, 68205)  3 new modes are available for the instruction TREND:  • GETCONFIG & GETCONFIG_ASYNC: To retrieve the configuration of a Trend viewer under the form of an Xml fragment,  • SETCONFIG: To set the configuration of a Trend viewer by passing it an Xml fragment containing the desired configuration.  These modes enable getting and setting the configuration of a trend viewer all at-once (list of trends, graphical rendering properties).	Scripting > SCADA Basic Also in: 15.1.1
Trend viewer autofit mode The autofit mode in the Trend viewer is now supported in real time.	Web Server Extensions > WebVue
<b>Filtering HDS log list with Sql-like syntax</b> (SPR #68855, 68823) It is now possible to use Sql-like syntax when filtering Log lists for a Log viewer with the SCADA Basic instruction <i>LOGDISPLAY</i> mode <i>FILTER</i> .	Web Server Extensions > WebVue Also in: 15.1.1, 15.0.3, 12.0.22
<b>Configuring BACnet schedule using an unsigned datatype</b> (SPR #69634) It is now possible to configure a BACnet schedule linked to a <i>multi-state-value</i> object using the <i>unsigned</i> datatype. Until this enhancement, only the <i>enumerated</i> datatype was supported.	WebScheduler

Reference: PcVue 15 Release Notes

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### 5. Performance

### Time to open/close a session (SPR #69199)

The time to open and close a WebVue session has been significantly improved, in particular when the project comprises a large amount of alarm syntheses. For example on a project with 6000 alarms, 3000 alarm syntheses and 15000 alarm synthesis counters:

Before performance improvement:

- Time to open a WebVue session: 18.5 sec, including 17 sec to load alarm synthesis,
- Time to close a WebVue session: 3 min 9 sec, including 3 min 5 sec to unload context variables.

After performance improvement:

- Time to open a WebVue session: 4.9 sec, including 3.5 sec to load alarm synthesis,
- Time to close a WebVue session: 2.5 sec, including 1 sec to unload context variables.

#### Real time data

Also in: 15.1.1, 12.0.23





### 6. Audit & diagnostic

### New system variables and audit counters (SPR #69320)

New system variables are available for the IEC 104 outstation:

- Number of active client connections: System.LocalHost.IEC104Server.NbClients
- List of client names: System.LocalHost.IEC104Server.Clients

They are also available in the branch System. < StationName > The following audit counters are now also available:

- Number of outstation
- Max nb of clients allowed
- Number of point published
- Number of clients connected
- Number of write received from clients

# Communication interfaces > IEC 60870-5-104 Outstation

Also in: 15.1.1

#### New audit counters for variables with status invalid

New audits counters are available for variable status, split by variable source:

- Counter of variables with status NS
- Counter of variables with status NS COM
- Counter of variables with status NS SPEC
- Counter of variables with status NS COM LAN

General

Last update: November 3, 2025



### 7. Installation

### **OPC UA Gateway version 1.5.7**

Add-ons and Tools

Update of the installation package of the OPC UA Gateway available in the Add-ons & Tools section of the DVD.

#### **Updated libraries**

General

Update of the following libraries:

- HVAC,
- Pipes,
- Arrows.

### Missing component registration

Installation

Since Release 15.0.0, the component registration was not executed automatically after installing a patch. On computers with other versions of PcVue or other products installed (such as FrontVue), fatal errors and other unexpected behaviors could occur due to the fact that the proper version of a component may not be registered within the operating system

This is a known issue in all Maintenance Releases of 15.0 and 15.1 up to 15.1.4

Also in: 15.1.4

Last update: November 3, 2025



### 8. Security

Upgrade Limit access to the file system (SPR #69992, 67953, 65359) When using the Data Export wizard, the button allowing the selection of the export folder is no longer accessible to users without desktop access privilege.	НМІ
OpenSSL library updated The OpenSSL library has been updated to version 1.1.11 (24-Aug-2021).	Security
Memory address in traces The event traced for session timeout contained a memory address instead of the correct session id.	Web Server Extensions
Vulnerabilities in the Web back end modules  This is a follow-up to fixes available since 11.2.06097, 12.0.17 and 15.0.0. This fix covers other ways to exploit similar Remote Code Execution vulnerabilities uncovered after more tests of the initial fix.  The following vulnerability is fixed. It affects the interface between the Web & Mobile back end and the web services hosted in Microsoft IIS:  CVE-2020-26867 - A Remote Code Execution vulnerability due to the unsafe deserialization of messages received on the interface - Affects all versions since 8.10.  See our Security alert page for more information.	Web Server Extensions Also in: 15.1.2, 12.0.23, 11.2.06100
TLS support (SPR #69616) The WebScheduler now supports the use of TLS 1.2.	WebScheduler Also in: 15.1.4



### Other fixes & enhancements

•	SPR #64106, 66156, 66840, 68520, 68700, 68709, 68791, 68849, 68889, 68996, 69217, 69298, 69334, 69454, 69482, 69578, 69624, 69699, 69856, 70018	
•	SPR #69014, 69790, 69913	Also in: 15.1.5
•	SPR #69894, 69895	Also in: 15.1.5, 12.0.25
•	SPR #69820	Also in: 15.1.5, 12.0.24
•	SPR #69529	Also in: 15.1.4
•	SPR #69566	Also in: 15.1.3
•	SPR #69218	Also in: 15.1.3, 12.0.24, 11.2.06101



### 14. Feature Release 15.1.0

### 1. New features

ICCP/TASE.2 interface  New interface based on the IEC 60870-6, the standard for data exchange between control centers.	Communication interfaces > ICCP
<b>IEC 61870-5-101 client driver</b> This new driver operates in unbalanced mode over TCP or UDP and is designed to support legacy IEC 101 devices accessed through serial-to-IP gateways.	Data Acquisition
SCL-based configuration It is now possible to associate SCL files to IEC 61850 network and take advantage of offline mapping e.g. the ability to create communication items and map variables based on the content of your SCL files, even if devices are not connected.	Data Acquisition > IEC 61850 Client
New data acquisition driver - AdNet (SPR #69130) A data acquisition driver for AdNet controllers is now available.	Data Acquisition > Other built-in drivers Also in: 15.0.3
New data acquisition driver - IpFluke A data acquisition driver for Fluke devices is now available.	Data Acquisition > Other built-in drivers
Mapping of the Quality property (SPR #68972)  The status (quality) of a variable can now be mapped onto the results of a Sql query by using any of the following:  VAR_QUALITY_GOOD - To set the variable status to valid,  VAR_QUALITY_NS - To set the variable status to invalid,  VAR_QUALITY_NSCOM - To set the variable status to invalid due to a communication error.	Data Acquisition > Sql
Xml file references In addition to Excel files available since version 12, it is now possible to reference Xml files that are used throughout the project, in particular in configuration modeling with the Application Architect.  The support for Xml file references comes with a new expression function XmlGetValue() and an Xml file viewer. They help the application designer looking up Xml fragments based on XPath queries.	General
Upgrade New instruction M60870_5 for IEC101 & IEC 104 In addition to the new IEC 101 driver, a new SCADA Basic instruction M60870_5 is available for communication control of both IEC 101 and IEC 104 devices. The existing M104 instruction is deprecated but still supported at runtime for compatibility purpose.	Scripting > SCADA Basic
Progressive Web App support It is now possible to install WebVue as a Progressive Web App (PWA) on web client devices.	Web Server Extensions > WebVue



### 2. Fixes

2. 17/00	
<b>DBImport - Log suffix not correctly managed</b> (SPR #68868, 68864, 68744) When using the DBImport for importing logged events, the Log suffix was not correctly managed, leading to incorrect import.	Add-ons and Tools Also in: 15.0.3, 12.0.22
MultiTech LoRa - Fatal error due to missing Ack (SPR #68797) Under some circumstances, a fatal error occurred when the acknowledgement part of the message was missing, i.e. after sending a message with the format Payload Port where Payload Port Ack was expected.	Add-ons and Tools Also in: 15.0.2
<b>Masked alarm reappearing after passive server restart</b> (SPR #68378) Under some circumstances, saved alarms were incorrectly reloaded when a passive server was restarting. Specifically, their saved <i>Masked</i> status could be corrupted and trigger reappearance or disappearance of such alarms upon a restart.	<b>Alarms</b> Also in: 15.0.1, 12.0.20
<b>First message not published</b> (SPR #68835)  The first message of a topic was not published for a variable that was used both for SUB and for PUB.	Communication interfaces > MQTT Pub- Sub Also in: 15.0.3
Unable to read values (SPR #68811) It was not possible to parse values with the JsonGetValue() expression function when the Json path contained parentheses.	Communication interfaces > MQTT Pub- Sub Also in: 15.0.3
Fatal error when extracting an analog value (SPR #68710) A fatal occurred when a data extraction returned an analog value.	Communication interfaces > MQTT Pub- Sub Also in: 15.0.2
Negative values not correctly managed (SPR #68712)  Negative values were not correctly managed and interpreted with bad quality NS FMT.	Communication interfaces > MQTT Pub- Sub Also in: 15.0.2
Incorrect error code (SPR #68612) For an out-of-bounds register value, error code 1 was sent as part of the published message instead of error code 133 or 134.	Communication interfaces > MQTT Pub-Sub Also in: 15.0.1
Fatal error on variable update (SPR #67987) Under some circumstances, a fatal error could occur upon update of a variable by an OPC client connected to the OPC Server if the configuration of the type was incorrect.	Communication interfaces > OPC Server Also in: 15.0.1, 11.2.06098
SCADA Basic editor frozen (SPR #68683, 68650, 68448) Under some circumstances, the SCADA Basic editor could freeze, preventing from editing the opened script. The issue occurred after closing the editor while maximized and with line numbers displayed.	Configuration Environments Also in: 15.0.2
Incorrect list of attributes in Log lists (SPR #68543) When editing the list of attributes to records in a log list, a comma was added at the beginning of the value, preventing the property to be interpreted correctly at runtime.	Configuration Environments
Unable to set the Tile size (SPR #68917) It was not possible to set the tile size for actions on geographical zones.	Configuration Environments > Application Architect



Fatal error on generation (SPR #68953) Under some circumstances a fatal error could occur when generating with a large project due to the dynamic refresh of consumed IO variables.	Configuration Environments > Application Architect Also in: 15.0.3
<b>Zones incorrectly deleted</b> (SPR #68703)  Deleting a zone was incorrectly deleting all the zones of the template if they had the same prefix.	Configuration Environments > Application Architect Also in: 15.0.2
Timestamp type for IEC 104 Sectors (SPR #68569) It was not possible to configure the Timestamp type (UTC or Local) for IEC 104 Sectors modeled with the Application Architect.	Configuration Environments > Application Architect Also in: 15.0.2, 12.0.21
OPC-XML server not correctly created (SPR #68568, 68486) OPC-XML servers were not correctly created if modeled with the Application Architect. The Url property was missing.	Configuration Environments > Application Architect Also in: 15.0.2, 12.0.20
Incorrect attribute configuration for log lists  The default list of attributes to record for a log list was set to empty instead of #@A1,#@A2 for proprietary, ODBC and free archive unit types.	Configuration Environments > Application Architect Also in: 15.0.1
<b>Sql variables mapping lost</b> (SPR #68969) The mapping of SQL variables was lost when configured on a client station.	Configuration Environments > Application Explorer
Unable to set the confirmation message in actions (SPR #68945, 68604) It was not possible to set a confirmation message for actions in Geographical zones.	Configuration Environments > Application Explorer Also in: 15.0.3
Could not delete HDS database Since version 15.0.0, it was no longer possible to delete the last configured database of a project. This is a known issue in 15.0.0	Configuration Environments > Application Explorer Also in: 15.0.1
<b>SG-TwinCAT - Fatal error when importing .tpy file</b> (SPR #68659)  A fatal error occurred when importing a .tpy file due an infinite loop while parsing an improper configuration with recursive properties in data type definitions.	Configuration Environments > Smart Generators Also in: 15.0.1
<b>SG-OPC - Incorrect server after synchronization</b> (SPR #68454) Under some circumstances, an incorrect server was set after an import synchronization. The issue occurred when multiples servers were configured and the selected server was different from the first one.	Configuration Environments > Smart Generators Also in: 15.0.1, 12.0.20
ReadPropertyMultiple fallback  The following errors were not managed in case of ReadPropertyMultiple failure, and the fallback was not correctly triggered:  error_code_unknown_object  abort_preempted	Data Acquisition > BACnet Client

Reference: PcVue 15 Release Notes

abort\_preempted abort\_invalid\_APDU

Last update: November 3, 2025



**IEC 104 - Interrogations sent twice on server switchover** (SPR #68701)

In a redundant architecture, Interrogation requests were sent twice on server switchover.

Data Acquisition > IEC 60870-5 Client

Also in: 11.2.06099

Several fixes & enhancements related to the IEC 104 client driver (SPR

#68721, 68552, 65778, 65317, 62179, 60533, 58890)

The list of fixes & enhancements includes:

- Stopping multiple networks is now executed concurrently,
- A fatal error could occur during project exit,
- In case of device redundancy, a fatal error could occur if the standby device was considered as active,
- Sectors and Devices needed to be restarted to apply configuration modifications, they are now applied dynamically,
- New variables had an unknown status until their first refresh, they are now NS
- Under some circumstances, a fatal error could occur upon a device stop due to a memory leak,
- An incorrect status was displayed in the Application Explorer when devices were not reachable or disconnected,
- Under some circumstances, a fatal error could occur during project exit after multiple switchover of redundant devices,
- Pending commands were not correctly cleared upon redundant device

Data Acquisition > IEC 60870-5 Client

Also in: 11.2.06098

### Several fixes & enhancements related to the IEC 104 client driver (SPR

#68490, 68489, 68208, 65317)

The list of fixes & enhancements includes:

- Variables could be NS COM after a server switchover due to a fatal error of a
- Variables could be NS COM after a redundant device switchover due to a communication loss while switching,
- STOP DT was not sent after a server switched passive, or stopped,
- A new general setting is available to set a delay before switching from passive to active (defaults to 200 ms).

Data Acquisition > IEC 60870-5 Client

Also in: 11.2.06097

### Fatal error on server switch (SPR #69173)

Under some circumstances, a fatal error could occur upon data acquisition server switchover, in a variety of cases when a BRCB could not be connected:

- Device offline,
- RCB did not exist in the device,
- Wrong dataset referenced on the RCB,

Data Acquisition > IEC 61850 Client

### Useless purge buffer sent (SPR #69164)

Useless purge buffer commands were sent.

The issue was a regression introduced in PcVue 15.0.1.

Data Acquisition > IEC 61850 Client

### Incorrect status icon displayed (SPR #68348)

An incorrect icon was displayed in the Application Explorer when configuring a report, with the Network-dependent configuration option selected for the property Original Report name.

Data Acquisition > IEC **61850 Client** 

#### Memory leaks (SPR #69111)

Under some circumstances, memory leaks occurred, in particular:

- Upon sending a command of type DEW or SBOW,
- Upon device connection.

### Data Acquisition > IEC 61850 Client

### Incorrect error message in the event viewer (SPR #68425)

Under some circumstances, incorrect error messages were displayed in the event viewer when sending a command for an IEC 61850 variable. The issue occurred when extended attributes were not enabled for the variable.

Data Acquisition > IEC 61850 Client

Reference: PcVue 15 Release Notes

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Fatal error with File Transfer (SPR #68741) Under some circumstances, a fatal error could occur when using the File Transfer.	Data Acquisition > IEC 61850 Client Also in: 15.0.2
Fatal error on passive server (SPR #68426) A fatal error could occur when stopping a passive server due to pending reports not deleted correctly.	Data Acquisition > IEC 61850 Client Also in: 15.0.1, 12.0.20
Report groups disabled (SPR #68460) Under some circumstances, a report group was disabled after receiving a report that had the buffer overflow flag set.	Data Acquisition > IEC 61850 Client Also in: 15.0.1, 12.0.20
Fatal error on device disconnection (SPR #68291) Under some circumstances, a fatal error could occur upon device disconnection.	Data Acquisition > IEC 61850 Client Also in: 15.0.1, 11.2.06098
Memory leak with array of strings (SPR #68954)  A memory leak occurred when variables were mapped to an OPC DA item of type array of strings. The amount of leake memory depended on the size of the array.	Data Acquisition > OPC Client Also in: 15.0.3, 12.0.22
Fatal error when writing an SNMP variable (SPR #68479) Under some circumstances, a fatal error could occur when writing an SNMP variable.	Data Acquisition > SNMP Manager Also in: 15.0.1, 12.0.20
Memory leak on errors (SPR #68511) Under some circumstances, a memory leak could occur when facing connectivity issues with devices refreshed by polling. Some polled read requests were not correctly freed after errors.	Data Acquisition > SNMP Manager Also in: 15.0.1, 12.0.20
Test connection requires Diagnostic permission The Test connection action in the Application Explorer now requires the user to have the Diagnostic permission.	Data Acquisition > Sql
Trend export failed with Current period (SPR #68304) Since version 15.0.0, trend export failed if set to export for the Current period. This is a known issue in 15.0.0	<b>Data Export</b> Also in: 15.0.1
Unable to deploy a web site with multiple bindings (SPR #68301) It was not possible to deploy a web site with a mix of binding on IP address and binding on hostname.	Deployment tools > Web Deployment Console Also in: 15.0.1
Memory leak on modification of text extended attributes (SPR #68634)  A memory leak occurred when writing text extended text attributes of a variable.	<b>General</b> Also in: 15.0.2, 12.0.21
Temporary license not recognized (SPR #68563)  An incorrect date was displayed when starting a project with a temporary license that was not yet active.	General > Licensing Also in: 15.0.1
Improved handling of the reference files (SPR #69050, 69045, 68982) Several fixes and enhancements in the handling of the ref.dat and refversion.dat files to prevent incorrect updates of these files and locking of the Central Project Management user interface.	General > Version management
Unable to set Reference version (SPR #67963)  No error or warning message was displayed to warn the user when the current Windows user had insufficient write permission to the central version folder.	General > Version management



Instant Messaging data wrongly included in project version (SPR #68401)	General > Version management
The folder <i>MsgData</i> , used for the Instant Messaging persistent data, is now by default excluded from Central Version Management.	
Progress bar not accurate (SPR #68409) The progress bar displaying the progression of a version creation (or update) was not accurate.	General > Version management
<b>Could not disable central project management</b> (SPR #68456) Since version 15.0.0, it was no longer possible to disable the central project management from the dialog box.	General > Version management Also in: 15.0.2
Localhost system variables not updated (SPR #68456) Since version 15.0.0, the Localhost system variables related to the project and libraries versions were not correctly updated when the central project management was disabled.	General > Version management Also in: 15.0.2
Records lost after changing primary unit (SPR #67341) When changing the primary unit for a trend, the buffered but not yet recorded data were lost. The issue only affected proprietary archive units and occurred in particular when changing the primary unit of the trend with the instruction HISTORY.	Historical data
HDS not stopping (SPR #68314) Under some circumstances, the HDS was not correctly stopped at project exit. The issue occurred after having added a new trend associated to a long update rate, and the project exit being triggered before the end of the first update period of the new trend.	Historical data Also in: 15.0.1, 12.0.20
HDS fatal error upon shutdown (SPR #68338) Under some circumstances, a fatal error of the HDS could occur upon project shutdown.	<b>Historical data</b> Also in: 12.0.20
Instance Selector - Fatal error with filter (SPR #68763) Under some circumstances, a fatal error occurred when using some filters such as <i>Start With</i> , with special characters.	НМІ
Virtual keypad for user animations (SPR #68669) The virtual keypad could not be used with some user animations (user name, signature).	<b>HMI</b> > <b>Animations</b> Also in: 15.0.2, 12.0.21
Tree-view control - Mimic not closed (SPR #68539) In a tree-view control, the animation <i>Link.open</i> with the parameter <i>Caller mimic behavior</i> set to <i>Close</i> was not working correctly, the caller mimic was not closed.	HMI > Form controls Also in: 15.0.2
Anchor point lost on symbol creation (SPR #68886) When creating a symbol, the anchor point was reset to (0,0). The anchor point of the group is now retained as the anchor point of the symbol.	HMI > Graphics Also in: 15.0.3
<b>#V not resolved</b> (SPR #65319) The #V substitution string was not resolved in the Trend viewer, preventing from using it in the legend or Data export wizard.	HMI > Trend viewer Also in: 15.0.3, 12.0.23 11.2.06100
Fatal error with the Data export wizard (SPR #68475, 68163)  A fata error occurred when using the Data export wizard from a Trend viewer in case of insufficient permissions on the export folder.	HMI > Trend viewer
Trends partially displayed (SPR #67819) Under some circumstances, trends were only partially displayed due to an incorrect behavior of the compression algorithm with invalid points.	HMI > Trend viewer Also in: 11.2.06097
Sending SMS with China-Telecom SIM card (SPR #68603)	Miscellaneous



Unable to send email or SMS to AD users (SPR #68190) When sending an email or an SMS to all users having a given profile, AD users did not receive the message even if the profile was associated to an Active Directory group.	Miscellaneous
Multiple server switchovers at startup (SPR #68748) Under some circumstances, server were switching active/passive multiple times after a server restart due to a timing-issue on server status detection. The issue only occurred with an association having 3 or more servers.	Networking
Initial value of new variables not loaded (SPR #68578) When updating a project version on a passive server, newly created variables (in this project version) were not correctly initialized with their initial value after a server switchover.	<b>Networking</b> Also in: 15.0.1, 12.0.20
Multiple active servers in a single active server association (SPR #68379)  In a single active server historical association, multiple servers could be active simultaneously when started at the same time or after a network failure.	Networking Also in: 15.0.1, 12.0.20
Fatal error when editing a variable (SPR #68843) Under some circumstances, a fatal error could occur when modifying a variable produced by another station.	Real time data Also in: 15.0.3
Instruction OPTIONLIST - Fatal error on selected item change (SPR #68981, 68980) Under some circumstances, a fatal error occurred when changing the selected item if the previous one had been removed via a SCADA Basic script (mode CLEAR).	Scripting > SCADA  Basic Also in: 15.0.3
Instruction M61850 modes START and STOP - Incorrect value for ResultVar (SPR #68422) An incorrect value was returned in the <i>ResultVar</i> variable by the instruction M61850 with modes START and STOP.	Scripting > SCADA Basic
Upgrade Instruction GEOLOACTION modes GETDISTANCE and GETUSERACCURACY - Incorrect error return value Instruction GEOLOCATION modes GETDISTANCE and GETUSERACCURACY now return -1 in case of error (instead of 0).	Scripting > SCADA Basic
Instruction OPTION mode REMOVE - Fatal error (SPR #68680) A fatal error occurred when removing an item from an option list control with the SCADA Basic instruction OPTIONLIST mode REMOVE.	Scripting > SCADA  Basic Also in: 15.0.2
Instruction FOPEN - Fatal error with unknown access mode (SPR #68097)  A fatal error could occur when using the instruction FOPEN with an unexpected access mode argument.	Scripting > SCADA Basic Also in: 15.0.1, 12.0.20
Login script not executed (SPR #66502) The SCADA Basic login script was not executed for web clients except for WebVue. It is now also executed when login in from the WebScheduler and when opening a session with the Web Services Toolkit.	Web Server Extensions
Fatal error on web session opening (SPR #68602)  A fatal error of the Web back end could occur when opening a web session if an alarm synthesis was defined and the corresponding variable was missing in the configuration.	Web Server Extensions Also in: 15.0.2, 12.0.21
Scrolling in the Log viewer (SPR #68846) In WebVue, scrolling in the Log viewer did not work properly.	Web Server Extensions > WebVue Also in: 15.0.3



Trends not displayed (SPR #68698, 67972) Web Server Extensions Trends were not displayed when the style of invalid points was set to *Invisible*. > WebVue Also in: 15.0.2, 12.0.21 Instruction WINDOW mode CLOSEALL - Mimics close failed (SPR **Web Server Extensions** > WebVue #68639) The SCADA Basic instruction WINDOW mode CLOSEALL was not working properly in a Also in: 15.0.1, 12.0.20 web context. Some mimics could fail to close and remained open. WebScheduler not accessible (SPR #69170, 69036) WebScheduler Since version 15.0.0, it was no longer possible to use the WebScheduler without having a Also in: 15.0.3 Web Service Toolkit option on the license. This regression was due to a tightened control of the web accesses in version 15.0.0. The issue also affected access from 3rd party software taking advantage of the Web Services Toolkit such as Dream Report. This is a known issue in 15.0.0 to 15.0.2 WebScheduler Schedules not displayed (SPR #68478) Under some circumstances, schedules were not displayed. The issue only occurred when a schedule had some special characters such has <, >, -, ( or ) in its title. WebScheduler Incorrect text encoding (SPR #67999, 61478) Some cultures relying on non-latin characters were not correctly managed by the Also in: 15.0.2, 12.0.21 WebScheduler, leading to incorrect text display. WebScheduler **Setting FirstDayOfWeek not taken into account** (SPR #68462) The setting FirstDayOfWeek defined in the web.config file was not correctly taken into Also in: 15.0.2, 12.0.21

Starting from version 15, this setting can be set with the Web Deployment Console when

deploying the WebScheduler.

Reference: PcVue 15 Release Notes



### 3. Critical fixes

### Slow operations due to IEC 61850 (SPR #69165)

The handling of persistency for Report Control Block Entryld caused a general periodic slow down of the computer used as data acquisition server.

Data Acquisition > IEC 61850 Client

## **Several fixes in the IEC 61850 client driver** (SPR #68689, 68649, 68638, 68600, 68521, 68519)

The list of fixes includes:

- Fatal error upon loss of connection to a device configured with reports,
- Fatal error upon receiving an error from a device when using the file transfer services (empty source folder).

In addition, when using redundant data acquisition servers:

- Variable values were not correctly refreshed when an RCB was configured without GI,
- Fatal error when stopping a redundant RCB if the dataset no longer existed in the configuration (typically occurred upon stopping a device),
- Fatal error of both passive and active servers when stopping an active server.

## Data Acquisition > IEC 61850 Client

Also in: 15.0.1

#### *Upgrade* **Polling groups lost** (SPR #69086)

When upgrading a project from version 12 to version 15, the SNMP polling groups were lost due to an issue in configuration saving with version 12. This is a known issue in 15.0.0 to 15.0.2

Data Acquisition > SNMP Manager

Also in: 15.0.3

Reference: PcVue 15 Release Notes

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### Enhancements

TATT Topic definition  It is now possible to define a topic by using multiple text attributes, which can be used to overcome their length limitation (100 characters):  TATT13 = BUILDING1/ROOM3/TEMP  TATT14 = MQTT Generic Broker1 SUB 0 TATT13  The same principle is applied with the '@' character to bypass the GenericRootTopic:  TATT14 = MQTT Generic Broker1 SUB 0 @TATT13	Communication interfaces > MQTT Pub-Sub
Population configuration (SPR #68494) It is now possible to copy, cut and paste population configuration items.	Configuration Environments > Application Explorer
Start & Stop commands for Sql connections It is now possible to start and stop Sql connections directly from within the Application Explorer. They require the user to have the Diagnostic permission. In addition, the current state of Sql connections is now displayed.	Configuration Environments > Application Explorer
System variables SubscriptionCompleted and UnsubscriptionCompleted not correctly refreshed System variables SYSTEM.BACNET. <network>.SubscriptionCompleted and SYSTEM.BACNET.<network>.UnsubscriptionCompleted were not correctly refreshed on COV subscriptions and unsubscriptions.</network></network>	Data Acquisition > BACnet Client
<b>Delaying value refresh after write</b> (SPR #68871)  A new setting is available for IEC 60870-5 devices to disable the local refresh of a variable after sending a write command. When activated, the value is refreshed upon the next read request or notification.	Data Acquisition > IEC 60870-5 Client
New BITMASK expression (SPR #68570) It is now possible to use the custom field BITMASK(x) in the advanced properties of OPC variables. The variable value is then the result of the logical bit AND operation between the OPC item value and the mask.	Data Acquisition > OPC Client Also in: 15.0.2, 12.0.21
New interop property (SPR #68568, 68486)  A new interop property is available for OPC-XML servers. It enables adding the http basic authentication header to all requests and is designed for OPC-XML servers that do not send the HTTP 401 error if the header is required.	Data Acquisition > OPC Client Also in: 15.0.2, 12.0.20
Scope support for predefined Sql queries Support for the concept of scope to control the distribution of Sql query results across user sessions. It allows shared data to be processed in any user context, and prevents user-specific data to be accessible to other user sessions.	Data Acquisition > Sql
Override Export folder and Template folder settings It is now possible to override the default Export folder and Template folder settings in the advanced properties of a data export item.	Data Export
Improved usability In the Application Explorer, the list of Users and Profiles are no longer displayed in the tree-view. Instead, the bottom-right panel is used to display the list of users associated to the selected profile, or the list of profiles associated to the selected user.	General > User management
More info in the group/profile association dialog In the group/profile association dialog for Active Directory, more details are now	General > User management

displayed: • Group description,

- Members,
- Current profile.



<b>Default soft keypads</b> (SPR #68560)  Change of the default HMI option related to soft keypads for touch screen support.  Upon creation of a new project, the HMI option is now by default set to take advantage of the most recent keypads.	НМІ
Confirmation dialog for saving/loading input files (SPR #68522, 68321) With form controls, a confirmation message is now displayed before reloading or saving items into a file (to avoid unintentional loss of the original file), or when leaving the configuration tab without having saved the modifications.	HMI > Form controls Also in: 15.0.2
<b>Dynamic export folder</b> (SPR #68582, 67953) It is now possible to change the destination folder when exporting data from the Trend viewer. In addition, a warning message is displayed if the destination folder is not accessible (folder does not exist or insufficient permissions).	HMI > Trend viewer
<b>Dynamic recipients list</b> (SPR #68191) It is now possible to use a text variable to define a recipients list for sending emails or SMS.	Miscellaneous
Instructions ALARMDISPLAY and LOGDISPLAY - New modes SETCOLUMNWIDTH and GETCOLUMNWIDTH (SPR #69010) 2 new modes SETCOLUMNWIDTH and GETCOLUMNWIDTH have been added to the instructions ALARMDISPLAY and LOGDISPLAY to get and set the size of a column.	Scripting > SCADA Basic
Instruction EMAIL - Support for UNC path for attached files (SPR #68852) When using the EMAIL instruction, it is now possible to reference attachment files by using UNC path (e.g. \\hostname\folder\file.txt).	Scripting > SCADA Basic Also in: 15.0.3, 12.0.22, 11.2.06099
Form controls instructions - New mode SAVE (SPR #67755)  A new mode SAVE is now available for the instructions COMBOBOX, LISTBOX, CHECKLIST, OPTIONLIST, PIE and TREEVIEW. It enables saving the Content tab to a file.	Scripting > SCADA Basic
User details for Active Directory It is now possible to retrieve more user details from the Active Directory with the SCADA Basic instruction SYSTEM mode USER:  Phone number, Email address.	Scripting > SCADA Basic
Counter mode for Send command action on Register variable  A new Counter mode is available for the Send command action for register variables.  With this mode, the register is incremented by 1 until the variable maximum value is reached and then reset to 0.	SnapVue

Reference: PcVue 15 Release Notes



### 5. Performance

### Improved CPU usage for the Application Architect

Improvement of the threading for configuration management of Templates and Instances. It brings a better usage of CPU resources and fixes freezes at generation time with large projects.

In addition, messages have been added to the generation logging to indicate the name of the instance being processed.

New audit time counters are also available.

Configuration
Environments >
Application Architect

#### Save/Load management of unselected instances

From now on, when unselecting instances, only the top-level instance unselected status is recorded in the Tpl\_Instances.xml file. Proceeding this way fasten the saving and loading of instances while reducing the file size.

Configuration
Environments >
Application Architect

#### Storage of pending records during an overflow

During an overflow on an HDS archive unit, the Write period of pending records is set to its minimal value to fasten the recording of the pending records and minimize the duration of the overflow. When the pending records are cleared, the Write period is restored to its initial value.

This optimization does not prevent the occurrence of an overflow.

Historical data



### 6. Audit & diagnostic

### New system variables for the Sql driver

New system variables are available for Sql queries and Sql variables:

- System.SqlVariables.XOn
- System.SqlVariables.LostTrans
- System.Localhost.SqlVariables.Requests.FlowRegulation
- System.Localhost.SqlVariables.Requests.SkippedByFlowRegulation
- System.Localhost.SqlVariables.Requests.SkippedByOverlapping

### New system variables for user details (SPR #16006)

New system variables are available to get the mobile phone number and email address of a user:

General > User management

Data Acquisition > Sql

- System. < StationName > . User1. Mobile Phone Number
- System. < StationName > . User1. EmailAddress
- System. < StationName > . User2. MobilePhoneNumber
- System. < StationName > . User 2. Email Address

### New system variable for emergency purge

A new system variable is available for HDS databases to indicate that an emergency purge is in progress:

• System.Hds.<DatabaseName>.EmergencyPurge

Historical data

Reference: PcVue 15 Release Notes

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#### 7. Installation

Add-on for Commend ICX

New Add-on to interface with Commend ICX intercom systems.

Add-ons and Tools

Also in: 15.0.1



### 8. Security

Password displayed with virtual keypad (SPR #68668) When unlocking a user with the virtual keypad, the password was displayed in the input dialog instead of '*' characters.	<b>HMI</b> Also in: 15.0.2, 12.0.21
Double Signature accepted with expired password  The Security animation Double Signature accepted a signature even if the confirming user had an expired password.	HMI > Animations
OpenSSL library updated The OpenSSL library has been updated to version 1.1.1j (8-Dec-2020).	Security Also in: 15.0.3



#### Other fixes & enhancements 9.

SPR #17376, 62504, 66523, 66764, 68014, 68180, 68324, 68348, 68408, 68648, 68687, 68723, 68729, 68752, 68805, 69075, 69076, 69104

• SPR #68465, 68651	Also in: 15.0.2
• SPR #68534	Also in: 15.0.1
• SPR #68450	Also in: 15.0.1, 12.0.20

Also in: 12.0.23 SPR #68423, 68424



### 15. Feature Release 15.0.0

### 1. New features

<ul> <li>MQTT pub/sub driver (SPR #66294)</li> <li>A new Add-on that implements the MQTT standard and can be used as an MQTT subscriber and as an MQTT publisher:         <ul> <li>The MQTT subscriber facet allows you to collect data from MQTT-enabled devices and take advantage of PcVue for alarming, trending, logging and HMI,</li> <li>The MQTT publisher facet offers you the possibility to distribute information with the many additional metadata and qualifiers not readily available at the sensor level.</li> </ul> </li> </ul>	Communication interfaces > MQTT Pub-Sub
Modeling of Geolocation configuration items  Definition of Geolocation-related configuration items - Zones, Actions and Geo-tags - in templates and instances.	Configuration Environments > Application Architect
Modeling of File Reference objects  Definition of File Reference configuration items in templates and instances.	Configuration Environments > Application Architect
<b>Display of Equipment data acquisition driver status</b> (SPR #66944) Display of status and error codes of networks, nodes and frames.	Configuration Environments > Application Explorer
Display of Networking status  Display of networking connection status and license-related information.  New commands are also available on stations and nodes to control connections when advanced diagnostics are necessary. These commands are equivalent to some of the modes of the LAN instruction in SCADA Basic scripting.	Configuration Environments > Application Explorer
Ping command dialog box  A new dialog box is available for the Ping command. It replaces the command prompt and is available for communication objects based on an IP interface (DNP3, SNMP, IEC 61850).	Configuration Environments > Application Explorer
New BACnet Helper for Commands A new BACnet Helper is available for Command objects.	Data Acquisition > BACnet Client
Support for static binding (SPR #65825) It is now possible to configure static binding for BACnet devices by configuring their IP address instead of the BACnet MAC address in the configuration. This new feature makes it easier to address network segmentation requirements without the need to set-up the BBMD feature or a 3rd party BBMD component.	Data Acquisition > BACnet Client
New Panasonic Mewtocol-7 driver  A data acquisition driver for Panasonic Mewtocol-7 devices is now available. It supports FP7-Series PLCs equipped with an Ethernet port.	Data Acquisition > Other built-in drivers
New configuration import feature It is now possible to import a previously exported configuration, which facilitates upgrading a deployment made with an earlier version as soon as the deployment configuration was backed-up using the Export feature of the WDC.	Deployment tools > Web Deployment Console
Client-side settings (SPR #66696) Client-side settings for Web & Mobile apps can now be pre-defined at deployment time and enforced by the server, including the <i>Remember me</i> setting.	Deployment tools > Web Deployment Console



**Instant Messaging** 

General

A built-in Instant Messaging system you can deploy on your segmented industrial network - No dependency to any third-party service requiring Internet access. It offers users of the desktop application, FrontVue and the SnapVue mobile app the ability to chat together. Users keep themselves in the loop for better effectiveness and team performances.

Main features:

- Chat.
- Exchange text and voice messages,
- Send and receive images and videos.

#### **Expressions - New functions**

General

New functions are available in the expression engine. Depending on their usage, they can be used with several features such as expression on variables, MQTT variable mapping, Sql variable mapping, Application Architect...

The list of added functions includes:

- Json fragment parsing,
- Base64 string and hexadecimal value conversions,
- Timestamp value conversions,
- •

Please refer to the online help for more information.

#### **Geolocation & Micro-Geolocation**

General

Based on the configuration of zones, actions and geo-tags, this new module provides users with patented location-based and proximity-aware services, both indoor and outdoor. Depending on the type of system you monitor & control, zones can be a geographical or logical breakdown of your installations, a real-world location such as a remote site, or a piece of equipment in a factory.

The following types of geo-tags are supported:

- Geolocation GPS® for location-based services,
- Micro-Geolocation NFC tags, QR codes®, Bluetooth® beacons and Wi-Fi® access points for proximity-aware services.

Patent number: US9819509B2

#### Sql data acquisition driver General

Built on top of the Sql connection management introduced with version 12, the Sql data acquisition driver allows you to map variables onto results of predefined Sql queries. It is designed to make it easy to interface with Enterprise systems. Use cases include retrieving data from an ERP, CMMS, MES, Metering systems...

Variables can be updated cyclically or on event, and no scripting is required.

### Preview for testing - Smart Bot General

Designed as a plug-in on the Instant Messaging infrastructure, the Smart Bot helps users follow operational and maintenance procedures.

This feature **is in Preview for testing**. You must run the installation package in mode Custom to install it. Please contact us if interested.

#### Preview for testing - Notification publisher

A module designed to support the Push Notification technology.

This feature is in **Preview for testing**. You must run the installation package in mode Custom to install it. Please contact us if interested.

#### SnapVue Mobile App

General

General

SnapVue is designed for context-based monitoring & control of nearby assets. It takes advantage of the Geolocation and Instant Messaging services provided by your server to present relevant information to mobile users:

- Connect to and access data from multiple servers,
- Information, alarms, commands and set-points are displayed according to the user context: Location, proximity and permissions
- Logged events and trends,
- Access to external resources such as documents and web pages,
- Data filtering based on user profile,
- Built-in Instant Messaging,
- User tracking.

Reference: PcVue 15 Release Notes Last update: November 3, 2025



License protection based on software protection key In addition to USB hardware dongles, license protection based on a software key is now available.	General > Licensing
<b>New status PREREF</b> (SPR #65597)  A new status <i>PREREF</i> is available. It takes place between <i>DEV</i> and <i>REF</i> phases in the lifecycle of a project or libraries. It is designed to identify a version under validation tests before being deployed in production.  In addition, the new command line argument <i>-preref</i> can be used to start the <i>PREREF</i> version.	General > Version management
Version numbering scheme with 3 digits (SPR #64869) Project & Lib versions are now defined with 3 figures to accommodate a lifecycle policy including 3 stages: Major versions, minor versions and patch.	General > Version management
Custom context menu for Alarm and Log viewers  A new context menu is available. It is highly configurable at design-time, and as the toolbar, it offers run time users most of the useful commands in a single place:  Generic commands: Print,  Commands on alarms: Acknowledgment, Masking,  Filter changes,  Commands useful in the context such as actions associated to the selected alarm.	НМІ
Instance selector  New selector to insert symbols in mimics by selecting instances designed with the Application Architect rather than searching through libraries of symbols and setting the branch manually.	НМІ
<b>Selection of active Tab at mimic opening</b> (SPR #63066, 48273) It is now possible to select with the animation <i>Link.Open</i> which tab is to be active when opening a mimic configured with multiple tabs.	НМІ
Selection of mimic template at mimic opening (SPR #63360) It is now possible to select the mimic template when opening a mimic with the animation <i>Link.Open</i> . When a mimic template is specified, the default template is ignored.	НМІ
Tree view-control - Support for icon customization  To support this feature, a selector is also available so that you can pre-define the list of useful icons to be used in the project, as you do with the color palette.  Alongside with the new Icon selector, new modes for the TREEVIEW instruction have been added:  SETNODEICON, SETCHILDICON, SETROOTICON.	HMI > Form controls
Pie control - Support for real time data  The Pie control can now be used to display the real time value of variables with no scripting required.  The evolution comes with several new SCADA Basic modes for instruction PIE, and new VBA methods to dynamically configure these new options.	HMI > Pie control
Trend viewer - Support for 100 curves The trend viewer now supports up to 100 curves simultaneously.	HMI > Trend viewer
Instruction INSTANTMESSAGING The new instruction INSTANTMESSAGING is available to support scripting of the Instant Messaging feature. Refer to the online help for further details.	Scripting > SCADA Basic



#### **Instruction SYSTEM - New mode LOADCOLORS** (SPR #68119)

A new mode LOADCOLORS is available for the instruction SYSTEM. It enables loading a color palette from a file, which can be used for day/night color management or mitigate a user's color-blindness.

Syntax: System("LoadColors", FileName); Where FileName corresponds to the path of the file to load:

An absolute path,

Instruction GEOLOCATION

- A path relative to the TP directory,
- A path to a shared library starting with /LibName/.

Scripting > SCADA Basic

Also in: 11.2.06097

Scripting > SCADA

Basic

Security

Logging & Tracing - Syslog support	
For activity monitoring purpose, this interface allows you t	o se

For activity monitoring purpose, this interface allows you to send selected events to IT log aggregators. Designed to fulfill the most challenging security requirements, it supports the RFC 5424 and RFC 3164, in addition to RFC 5426 (UDP), RFC 6587 (TCP) and RFC 5425 (TLS).

The new instruction GEOLOCATION is available to support scripting of the Geolocation

& Micro-Geolocation features. Please refer to the online help for further details.

Improvements of logged events, in particular to better trace user account administration and project/lib version central management.	on
<b>Support for Security animations</b> (SPR #67095, 67094) WebVue now supports the security animations <i>Signature Confirmation</i> and <i>Double Signature</i> .	Web Server Extensions > WebVue
Support for mimic tabs (SPR #66445) Mimic tabs are now supported.	Web Server Extensions > WebVue
Support for included mimics and popups (SPR #66242, 66024) Included mimics and popups are now supported in WebVue. It was a known issue since 12.0.7 (Initial Release).	Web Server Extensions > WebVue Also in: 12.0.11
Support of iPad OS 13 WebVue now supports the Safari web browser shipped with iPad OS 13.	Web Server Extensions > WebVue

#### Support for Sofrel timetables

The WebScheduler now supports Sofrel timetables.

WebScheduler

Also in: 12.0.11



### 2. Fixes

Ethernet/IP Add-on - Handling of large arrays (SPR #68352) The Ethernet/IP add-on did not handle large arrays of DWord correctly. If the array was larger than 50 items, variables were always set to status NS (invalid).	Add-ons and Tools Also in: 12.0.19
<ul> <li>BACnet Server - Several fixes and enhancements (SPR #66981, 66980, 66132)</li> <li>The list of fixes &amp; enhancements includes:         <ul> <li>The setting DeviceCommunicationControl was not correctly taken into account (was always considered as Disabled),</li> <li>Some server properties were not correctly exposed (Object Name, Vendor Name, Model Name, Vendor Id, Firmware Revision),</li> <li>Support for non-latin characters in variables names.</li> </ul> </li> </ul>	Add-ons and Tools
Library converter - Fatal error when converting a large library (SPR #66988) A fatal error could occur when converting a library to binary or ASCII format due to a GDI object leak.	Add-ons and Tools
<b>DBImport - Fatal error when DBImport.log locked</b> (SPR #67177) A fatal error of the DBImport tool occurred when closing it if the log file DBImport.log was used and locked by another process.	<b>Add-ons and Tools</b> Also in: 11.2.06092, 11.1.06124
EtherNet/IP - Fatal error at startup (SPR #66902) Under some circumstances, a fatal error could occur at startup when the add-on traces and logging were activated while a variable had an incorrect format declaration (i.e.: UINT instead of REAL).	Add-ons and Tools
<b>MultiTech LoRa Gateway - Saved variable value lost</b> (SPR #66778)  The value of a variable configured as <i>Saved</i> was not correctly stored at project shutdown, thus it was not correctly reloaded at project startup.	Add-ons and Tools
Incorrect threshold alarms at startup (SPR #67429) Under some circumstances, alarms based on a threshold were incorrectly set with a good quality at project startup even if the underlying I/O variable was invalid if they were configured as Saved .	Alarms
Error messages 15838 and 15810 at project startup (SPR #66927) Messages 15838 and 15810 were incorrectly displayed in the event viewer at project startup when the variable associated to an alarm synthesis was neither produced nor consumed by the station.	Alarms
Unable to mask an alarm (SPR #66235) In a single-active association of servers, it was not possible to mask an alarm from the passive server when the alarm was the result of an expression.	<b>Alarms</b> Also in: 11.2.06088, 11.1.06123
Incorrect value and boundaries for System.Localhost.Session.Type (SPR #67957) The variable System.Localhost.Session.Type had an incorrect low boundary, 0 instead of -1, and was wrongly set to -1 where the value should have been 104 when a client was connected using the Web Services Toolkit. The same fix applies to the values returned by the SCADA Basic instruction SESSION mode GETTYPE.	Audit Also in: 12.0.16



#### System variables related to the user not refreshed (SPR #65879) Audit Some system variables associated to User authentication were not correctly refreshed with networking configuration: SYSTEM.LOCALHOST.USER.NumLocked, SYSTEM.LOCALHOST.USER.Rejected, SYSTEM.LOCALHOST.USER.TryLogin. The corresponding variables in the branch SYSTEM.<STATION\_NAME> were properly **Incorrect OPC values returned (SPR #66161)** Communication Under some circumstances, OPC items could not be read correctly by OPC clients, in interfaces > OPC Server particular when requesting a group containing invalid or unknown items. Also in: 12.0.8, 11.2.06083 **SNMP** trap not sent (SPR #67679) Communication When configuring multiple traps with the same generic format, only the last trap was interfaces > SNMP Agent Also in: 12.0.16 Communication **Support for OID and Value in Generic Trap** (SPR #67126) Generic traps were not supporting OID and Value parameters properly. They now interfaces > SNMP behaves as described in the online help. Agent Also in: 12.0.16, 11.2.06092 HMI variables not deleted after synchronization (SPR #68085) Configuration HMI variables were not correctly deleted when synchronizing an import from a Smart Environments Generator or the Application Architect. **Incorrect behavior of the auto-completion** (SPR #68178) Configuration Under some circumstances, the auto-completion did not work properly in the **Environments** expressions editor. **Expressions - Syntax highlighting and auto-completion** (SPR #67795) Configuration Fixes & improvements to syntax highlighting and auto-completion in the Expression **Environments** Editor for the following operators and functions: Operator POW, Function POWER, Function LOG, Function ROUND. Function MIN/MAX, Function EXCELVTEXTJOIN. Function EXCELHTEXTJOIN. **Import failed due to expressions** (SPR #67558, 67545, 67276, 66885) Configuration When importing expressions via a Smart Generator or the Application Architect, Environments expressions configured with a result variable that was not produced locally were only Also in: 12.0.16 partly loaded and did not behave as expected at runtime. **Fatal error when importing description with line breaks** (SPR #66670) Configuration A fatal error occurred when importing a configuration item if its description contained a Environments

A fatal error of the Library Explorer, the Application Explorer or the Application Architect occurred when changing the displayed library of mimics and/or symbols if in thumbnails display mode.

Fatal error when displaying libraries of mimics or symbols thumbnails

**Environments** Also in: 12.0.11, 11.2.06088

Configuration

line break (\n).



Missing warning if PcVue is not running (SPR #66092)  No warning was displayed when launching a configuration tool (including the Application Explorer, Application Architect and Smart Generators) while the PcVue main process (Sv32.exe) was not running.  It was a regression affecting version 12.0 Initial and Maintenance Releases.	Configuration Environments Also in: 12.0.10
Primary trends not correctly generated (SPR #66527) The property Primary of Trend items was not correctly managed by the Application Architect and could lead to generation errors.	Configuration Environments > Application Architect
<b>Expressions generated without a server list</b> (SPR #68086, 66435) Expressions were created without their server list set when the result variable did not belong to a producer list of the station where the import was done.	Configuration Environments > Application Architect
<b>Error when loading instances</b> (SPR #67956)  An error could occur when loading the Application Architect files after having deselected an embedded template from an instance if the embedded template contained variables with ".".	Configuration Environments > Application Architect
<b>Error message on Event filter definition</b> (SPR #67626) Error messages were displayed when the property <i>Event filter</i> of a <i>Log list</i> was defined at the time of instantiation.	Configuration Environments > Application Architect
Fatal error when generating instances with File items (SPR #67162) Under some circumstances, a fatal error could occur at generation time when an instance contained multiple File items of type Predefined format.	Configuration Environments > Application Architect
Incorrect property values for IEC104 Sectors (SPR #67750) The default value for the properties Group Interrogation and Counter Interrogation of IEC 104 sectors were incorrect and not generated.	Configuration Environments > Application Architect
<b>Symbol position not correctly reset</b> (SPR #67393)  The reset of a symbol's position in a template was not correctly managed and ignored by the synchronization.	Configuration Environments > Application Architect
Fatal error when editing a property defined by expression (SPR #67450) Under some circumstances, a fatal error could occur when opening the expression editor for defining a property. The issue occurred when the operating system was set for the Hebrew character set. Other non-English languages were potentially impacted also (reproduced with French charset).	Configuration Environments > Application Architect Also in: 12.0.16
<b>Empty items in Validation rules properties of Parameters</b> (SPR #67627) Some empty items were not properly displayed in the list of properties in the configuration of <i>Validation rule</i> for Parameters.	Configuration Environments > Application Architect Also in: 11.2.06094
<b>OPC Group creation incorrectly prompted</b> (SPR #67097) Changing a variable source from OPC to another source prompted the dialog box for OPC group creation.	Configuration Environments > Application Architect



#### Could not customize instances with additional behavior items (SPR #66945)

Under some circumstances, trying to add additional behaviors on variables directly within an instance could fail and return an Unknown error. Affected behavior items were: Configuration Environments > Application Architect

- Alarm Acknowledgment transmission,
- Alarm Window/Program action,
- Alarm Masking,
- Thresholds,
- Chrono,
- Counter.

#### Fatal error when generating BACnet variables

Under some circumstances, a fatal error could occur when generating variables mapped to a device that was already active and monitored.

Configuration Environments > Application Architect

#### Global parameters on Threshold bit variable (SPR #65360)

Global parameters were not correctly managed on Threshold bit variable items

Configuration Environments > Application Architect

#### Unable to create expression on HMI variable (SPR #66181)

It was not possible to create an Expression on variable item on an HMI variable.

Configuration Environments > Application Architect

#### Unable to load shared and local libraries having the same name (SPR #65960)

The Application Architect could not load correctly when a shared and a local library had the same name. They are now correctly managed and loaded.

Configuration Environments > Application Architect

#### Unable to paste multiple File Items (SPR #65967)

It was not possible use the multi-paste feature with File Items. The error "The input value is too long. The maximum length is -3 characters." was raised.

Configuration Environments > Application Architect

#### Mimic design screen resolution no longer forced to 1440\*900 (SPR #66529)

Mimic generated with the Application Architect were always configured with the resolution 1440\*900 for the property Design screen resolution. They are now using the active resolution at the time of the generation.

Configuration Environments > Application Architect Also in: 12.0.19

#### Upgrade Alarm synthesis default property value (SPR #67799, 66701)

The default value of the property *Take the applied population into account* of Alarm Syntheses items is False since version 11.2 Release.

This new default value was mistakenly not applied to Alarm syntheses created with the Application Architect. It is now applied.

This change may introduce a behavior change in the way alarm syntheses are calculated in some projects. Please refer to the Known issues section for more information.

Configuration Environments > Application Architect

Also in: 12.0.16, 11.2.06094

#### **Fatal error in the Population query designer** (SPR #68278)

A fatal error occurred when canceling the addition of a new filter if the Operator field was empty.

Configuration Environments > Application Explorer

#### **Event name not displayed after creation** (SPR #67343)

Under some circumstances, when creating an Event from the Variable pane, its name was not correctly displayed and/or its icon was incorrect in the associated behavior pane.

Configuration **Environments** > Application Explorer

### Long time for opening association configuration dialog box (SPR #67019)

Under some circumstances, with a large networking configuration, the association dialog box could take several minutes to open.

Configuration Environments > Application Explorer Also in: 11.2.06097

Last update: November 3, 2025





Application Explorer frozen after IEC 61850 communication restart (SPR #67961) Under some circumstances, the Application Explorer could freeze after restarting an IEC 61850 network when the trial period was expired.	Configuration Environments > Application Explorer
Fatal error when configuring a license renter station (SPR #67689, 67090)  A fatal error of the Application Explorer occurred when modifying the configuration of a station to make it a license renter. The issue occurred if no license owner station was configured, or if the owner station had been previously deleted.	Configuration Environments > Application Explorer Also in: 12.0.19
<b>HMI variables not deleted</b> (SPR #67432) HMI variables under a branch were not correctly deleted when the branch was deleted.	Configuration Environments > Application Explorer
Tree-views blinking (SPR #66643) General display of the Application Explorer slowed down and blinked when the project contained over a hundred communication items such as IEC 104, IEC 61850, DNP3 or OPC configuration.	Configuration Environments > Application Explorer
Unable to create thresholds (SPR #66804) Under some circumstances, it was not possible to create thresholds on a register variable if its minimum value was different from 0.	Configuration Environments > Application Explorer
Fatal error upon copy of a variable or trend (SPR #66986) Under some circumstances, a fatal error could occur when copying a variable or a trend.	Configuration Environments > Application Explorer Also in: 12.0.16, 11.2.06094
No frame address displayed (SPR #67049) Under some circumstances, no address was displayed in the Source tab of a variable when it was linked to an Equipment driver and if the frame type did not match the variable type. For instance, a bit variable linked to Word frame.	Configuration Environments > Application Explorer
BACnet Helper - Start and stop time inverted for Logs Start and Stop times were inverted in the BACnet Helper for Logs.	Configuration Environments > Application Explorer
Could not configure Servers items (SPR #66109)  The Communication. Servers entry was not available when the product was installed without the Web back end feature.	Configuration Environments > Application Explorer
<b>Dialog boxes not visible</b> (SPR #63006, 17193)  The position of configuration dialog boxes is now reset automatically when they are outside of the screen area.  Such a situation can occur when changing operating system display settings, for example when switching from 2 screens to 1.	Configuration Environments > Application Explorer
Fatal error on IEC 104 variable modification (SPR #66372) A fatal error occurred when modifying a variable linked to a previously deleted IEC 104 device.	Configuration Environments > Application Explorer
Inconsistent thresholds configuration (SPR #65279)  Several fixes to the handling of thresholds configuration:  • Values not always refreshed,  • First threshold randomly deleted,  • Value sequencing not checked.	Configuration Environments > Application Explorer



BACnet helpers frozen Under some circumstances, BACnet helpers and the Application Explorer could freeze after having selected a BACnet variable which object-type is defined by its numeric Id.	Configuration Environments > Application Explorer Also in: 12.0.9, 11.2.06078
Fatal error when creating a variable (SPR #66630) Under some circumstances, a fatal error could occur when creating a variable. The issue occurred when a branch segment of the variable was used in another branch previously deleted (e.g. B1.B2 and B2.B3).	Configuration Environments > Application Explorer Also in: 12.0.11
SG-SAIA - Fatal error at file opening (SPR #66058) A fatal error occurred when opening a file comprising an array with relative indexes.	Configuration Environments > Smart Generators
Smart Generator for Wago - Incorrect mapping (SPR #66348, 65717) The last variable of a frame was incorrectly mapped if the last available index in the frame did not fit the size of the data point to map. The issue occurred in particular when the last data point to map was of type REAL.	Configuration Environments > Smart Generators Also in: 12.0.10, 11.2.06087
SG-Unity - Fatal error when opening the synchronization UI (SPR #66610) A fatal error occurred when opening the synchronization UI of a SG Unity import.	Configuration Environments > Smart Generators Also in: 11.2.06089
Unable to execute SET/SENDLIST  Under some circumstances, write commands could not be correctly acknowledged when sent before a server switchover. The issue occurred in particular when using the SCADA Basic SET/SENDLIST instructions with protocols managing asynchronous writings such as OPC or BACnet. The result variable associated to the SENDLIST instruction remained locked after the switchover, preventing the execution other SET/SENDLIST calls with the same result variable.	<b>Data Acquisition</b> Also in: 11.2.06091
Inconsistent variables mapping after a change of the device identifier The mapping of variables was not updated when the identifier of their associated device was changed at the device configuration level.	Data Acquisition > BACnet Client
Fatal error at startup (SPR #68005) Under some circumstances, a fatal error could occur at network startup on projects with a large number of BACnet devices among which some are disconnected.	Data Acquisition > BACnet Client Also in: 12.0.17
Several fixes & enhancements related to BBMD configuration (SPR #67042, 66921, 65407, 65355)  The list of fixes and enhancements includes:  It is now possible to select a network interface when multiple interfaces are configured,  It is now possible to select a single station when no server association is configured,  It is now possible to edit an existing BBMD list,  Some missing tooltips added,  The name of a BBMD list was wrongly accepting the space character.	Data Acquisition > BACnet Client
Fatal error after communication frozen Under some circumstances, when an on-demand read request for the property "all" of an unknown object failed, the BACnet communication could freeze and lead to a fatal error.	Data Acquisition > BACnet Client



Incorrect COV lifetime The configured COV lifetime was not correctly applied and appeared to be 1.5 time smaller than defined.	Data Acquisition > BACnet Client
Number of items in BitString and OctetString values It is now possible to get the number of items in a BitString or OctetString by using the advanced property <i>Fields</i> with syntax BitString(index) or OctetString(index) with the index 0. Indexes larger than 0 are used to extract the value at the corresponding index in the BitString or OctetString.	Data Acquisition > BACnet Client
Trend Log and Trend Log Multiple not working Trend Log and Trend Log Multiple objects were not working properly when they were mapped to more than one variable.	Data Acquisition > BACnet Client
Unable to read fault-high-limit property (SPR #66865) It was not possible to read a property of type fault-high-limit.	Data Acquisition > BACnet Client
Unavailable properties displayed in mapping configuration (SPR #62790, 62280)  When doing online configuration and mapping, some unavailable or not-supported properties were incorrectly displayed, in particular those related to event-enrolment objects and properties associated to notification-class objects.	Data Acquisition > BACnet Client
Memory leak with Trend Logs (SPR #66205) A significant memory leak occurred when retrieving Trend Logs.	Data Acquisition > BACnet Client Also in: 12.0.9, 11.2.06084
Code page displayed in string values (SPR #66842) When the code page was different from UTF-8, string values were prefixed with the applied code page (UCS-2, DBCS).	Data Acquisition > BACnet Client Also in: 12.0.12
Variable not correctly refreshed after Priority reset (SPR #66618) When resetting the <i>Priority</i> property with the SCADA Basic instruction <i>BACNET</i> , mode <i>RESET_PRIORITY</i> , the properties <i>present-value</i> and <i>priority-array</i> were not refreshed even if the option <i>synchronization by read after writing</i> was activated at the device level.	Data Acquisition > BACnet Client Also in: 11.2.06090
Writing instruction sent multiple times Under some circumstances, a single writing instruction could be sent multiple times due to an incorrect buffer processing.	Data Acquisition > BACnet Client Also in: 11.2.06090
Variable properties overridden after EDE mapping (SPR #65426) When variable mapping was done at the network level with an EDE file, some previously defined variable's properties such as <i>Description</i> were overridden. This issue did not occur when the mapping was done directly at the variable level.	Data Acquisition > BACnet Client Also in: 11.2.06076
<b>Buffered Al and AO values not recorded</b> (SPR #66941, 66834, 66297) The buffered values for Al and AO objects of a DNP3 device were not correctly recorded in the archives when they were associated to trends. These values are read when connecting to the device at startup or upon reconnection.	Data Acquisition > DNP3 Client Also in: 12.0.16
<b>Time-out on variable initialization</b> (SPR #66803) Under some circumstances, a time-out could occur when initializing DNP3 variables.	Data Acquisition > DNP3 Client Also in: 12.0.12
Command not sent Under some circumstances, DNP3 commands requests were not send due to the absence of an ACK message associated to a previous CROB or AOB command request.	Data Acquisition > DNP3 Client Also in: 11.2.06091



<b>DNP3 redundancy - Communication frozen</b> (SPR #67034) In an architecture with a single active server for DNP3 acquisition, devices remained disconnected on the passive server after a disconnection from the active server. As a consequence, the data acquisition appeared to be frozen and variables were no longer refreshed.	Data Acquisition > DNP3 Client Also in: 11.2.06091
<b>Timestamp on requests</b> The <i>Timestamp</i> property of the sector (UTC or local) was not taken into account when sending Clock synch, Test and Time-tagged commands.	Data Acquisition > IEC 60870-5 Client
Several fixes in connection handling The sequence of commands upon connection has been improved to limit network traffic and initialization burden (Clock synch, Global Interrogation, Counter Interrogation).	Data Acquisition > IEC 60870-5 Client Also in: 11.2.06081
Error message display on Clock synch (SPR #65772, 65754)  An error message was repetitively displayed after a Clock synch of a remote device.	Data Acquisition > IEC 60870-5 Client Also in: 11.2.06080
Fatal error on exit Under some circumstances, a fatal error could occur when closing the application with an active IEC 104 configuration.	Data Acquisition > IEC 60870-5 Client Also in: 11.2.06080
Unable to start BRCB on a newly active server after switchover (SPR #68309) In a configuration containing several IEC 61850 networks managed by the same server association, the server switchover was not correctly processed for all produced networks. Some networks remained active on the passive server, meaning that URCB/BRCB were not stopped, and thus forbade the newly active server to start them.	Data Acquisition > IEC 61850 Client Also in: 12.0.19
Fatal error when browsing (SPR #67970) A fatal error could occur when browsing a directory containing a large number of files and folders.	Data Acquisition > IEC 61850 Client
Device never reconnected (SPR #67394) Under some circumstances, a connection to a device could be lost and never reconnected. The issue occurred when the connection ended with error code Connection_Closed. The code Connection_Lost was correctly handled.	Data Acquisition > IEC 61850 Client
Fatal error with rejected File transfer (SPR #66755) A fatal error occurred when a device returned the response Error_Reject.	Data Acquisition > IEC 61850 Client
Timestamp of Select and Operate commands (SPR #59139)  Timestamps sent in Select and Operate commands were different and corresponding to the exact time when the message was sent, while they had to be identical and corresponding to the time of the initial message.	Data Acquisition > IEC 61850 Client
Unable to send command It was not possible to send a command to objects having an operTm defined.	Data Acquisition > IEC 61850 Client
Variables remained NS COM after communication restart Under some circumstances, after stopping and restarting the communication, some variables linked to a data group could remained in status NS COM.	Data Acquisition > IEC 61850 Client
Reports not processed in case of large datasets (SPR #66118) Reports were not handled properly when associated to a dataset with more than 150 members. The fix is validated with up to 1000 dataset members associated to a Report Control Block.	Data Acquisition > IEC 61850 Client Also in: 12.0.8
Reconnection issues after a server switchover (SPR #66170) Under some circumstances, after a data acquisition server switchover, some devices were not correctly reconnected. The issue only occurred when the newly active server belonged to multiple associations.	Data Acquisition > IEC 61850 Client Also in: 11.2.06083



Data acquisition frozen after writing a Data Attribute (SPR #66114) Under some circumstances, the IEC 61850 driver could freeze after writing on an IEC 61850 Data Attribute.	Data Acquisition > IEC 61850 Client Also in: 11.2.06082
Write commands on LonWorks variables (SPR #66373) Sending a write command on a LonWorks variable that was in status Not connected caused a fatal error.	Data Acquisition > LNS Also in: 11.2.06088
<b>OPC-XML - Data types handling caused a fatal error</b> (SPR #67622) Under some circumstances, a fatal error could occur when processing data received from an OPC-XML server. The issue only occurred for data of type <i>long</i> , <i>uint</i> , <i>ushort</i> , <i>ulong</i> , if they were not already converted on the OPC server side.	Data Acquisition > OPC Client Also in: 12.0.19
<b>OPC-XML - Fatal error with a disconnected server</b> (SPR #65755) A fatal error occurred when a <i>GetStatus()</i> request was sent to a disconnected server.	Data Acquisition > OPC Client Also in: 12.0.19
Incorrect quality if range dependent on other variables (SPR #67969) Under some circumstance, the quality of register variables could be incorrect. The issue only occurred with OPC variables, when the variable range was defined by dependency to other variables.	Data Acquisition > OPC Client Also in: 12.0.19
Invalid OPC variables after switchover (SPR #66837, 66655)  Under some circumstances, variables mapped to OPC items could remain invalid after a data acquisition server switchover if errors occurred during the switchover. The issue affected:  • Versions 11.2.06781 to 11.2.06793,  • All releases of 12.0 up to 12.0.14.	Data Acquisition > OPC Client Also in: 12.0.14, 11.2.06092
Fatal error with multiple OPC write command timeouts (SPR #66992) Under some circumstances, a fatal error could occur when sending too many OPC write commands completing in time-out. Now the server is considered as offline and the communication interrupted when 1000 or more time-out errors occur within 500 ms.	Data Acquisition > OPC Client Also in: 11.2.06092
Impossible to restore communication despite time-out errors (SPR #67881)  Under some circumstances, the communication with some TCP/IP devices could not be restored despite multiple time-out errors. The issue was due to the PLC not responding to requests while the underlying socket was still in an Ok state.  From now on, after a period of 180 sec in time-out error, it is possible to force a close of the socket, which is then re-opened at the next retry.  To activate this behavior, the following keys must be added in the file C\EqtConf.ini:  [TCPIP]  EnableCloseOnConsecutiveTimeOut = 1  MaxConsecutiveTimeOutInSec = 180	Data Acquisition > Other built-in drivers Also in: 12.0.17, 11.2.06097
<b>Driver IpOpenWebNet - Support for extension modules</b> (SPR #67702)  The SCS extension modules were incorrectly updated when a new measurement was received for a single Lighting Point.	Data Acquisition > Other built-in drivers Also in: 12.0.16
Fatal error on frame modification (SPR #66627) A fatal error could occur when modifying a frame while the communication was starting.	Data Acquisition > Other built-in drivers Also in: 12.0.15
<b>Driver SAIA - Equipment not correctly initialized</b> (SPR #67443) At startup, some devices were not correctly initialized and connection could not be established. Startup of devices is now serialized to enforce a proper initialization.	Data Acquisition > Other built-in drivers Also in: 12.0.15, 11.2.06093



Fatal error on exit (SPR #66105)  A fatal error occurred upon exit when using frames of type Info or Command not set to the maximum size.	Data Acquisition > Other built-in drivers Also in: 12.0.19, 11.2.06088
Fatal error with redundant servers (SPR #67440) Under some circumstances, a fatal error could occur due to trap handling in redundant server set-up.	Data Acquisition > SNMP Manager Also in: 12.0.15, 11.2.06093
Host name resolved even when communication not started (SPR #66228) Resolution of the hostname of an SNMP device was executed even when the device was not started. Hostname resolution is now executed only when data acquisition is started for the device.	Data Acquisition > SNMP Manager Also in: 12.0.19, 11.2.06084
<b>Empty line in exported files</b> (SPR #67469)  An empty line was inserted in exported files when the option <i>Display columns header</i> was activated.	Data Export
Data in the future incorrectly populated (SPR #66731, 66303) When exporting sampled data with a future end date, the data in the future were populated with the last known value instead of being left empty.	Data Export
Inconsistent sampled data exported on DST (SPR #64859) Sampled data were not correctly exported when the export period contained a Daylight Saving Time.	Data Export
Data export copy/paste did not work (SPR #66027) An exported file was empty when generated for a data export item that was the result of a copy/paste.	Data Export
Fatal error when exporting data with missing dates boundary (SPR #66747)  A fatal error occurred when an export was triggered and either the starting or ending date was not set in the configuration or the SCADA Basic instruction call.	Data Export
Newly created web site not visible (SPR #67258) Under some circumstances, newly created web sites were not displayed in the WDC.	Deployment tools > Web Deployment Console
Web site name syntax control (SPR #64740) A syntax control has been added to the WDC when entering a web site name to avoid illegal characters.	Deployment tools > Web Deployment Console
Web component not correctly deployed on older operating systems (SPR #67994)  The Web components were not correctly deployed by the WDC on operating systems using IIS 7.5 or lower, which include Windows 7, Windows Server 2008 and Windows Server 2008 R2. This was due to the use of the applicationInitialization element in the IIS configuration (only supported from IIS 8.0 onward).	Deployment tools > Web Deployment Console Also in: 12.0.17
<b>Binding with IP address</b> (SPR #67292) It was not possible to create a binding using an IP address as the hostname.	Deployment tools > Web Deployment Console
Expired certificate (SPR #67259) When checking certificate validity, an incorrect message was displayed when it was expired.	Deployment tools > Web Deployment Console



<b>Back end endpoint still active</b> (SPR #66220) When a back end endpoint was removed from the configuration, it was still active for a web site until a new one was re-assigned.	Deployment tools > Web Deployment Console
Configured web site title not taken into account (SPR #66547) The title configured for the web site in the WDC was not taken into account. It was always deployed with the title 'SV Website' in IIS.	Deployment tools > Web Deployment Console
IIS prerequisites verifications (SPR #64742) The WDC now checks if all the IIS prerequisites are installed before allowing the user to deploy components.	Deployment tools > Web Deployment Console
Fatal error at startup (SPR #66066, 66017)  A fatal error occurred at startup of the Web Deployment Console if the computer name had been changed at the operating system level.  This was a known issue since 12.0.7 (Initial Release).	Deployment tools > Web Deployment Console Also in: 12.0.10
Issue when changing the binding (SPR #65998, 65964) When changing the binding of a web site, the Registry service endpoint was not properly re-configured, preventing the web site from being operational. The workaround was to delete and recreate the web site or to modify the WDC configuration file manually. It was a known issue since 12.0.7 (Initial Release).	Deployment tools > Web Deployment Console Also in: 12.0.10
Incorrect value for svmgrVarSource (SPR #66531) The _svmgrVarSource enum was shifted by one, leading to incorrect value definition.	Development kits > SV Manager Toolkit
<b>Status never set back to Valid after NS FMT</b> (SPR #65569) The variable status was never set back to <i>Valid</i> after being set to <i>NS FMT</i> with the function <i>SetDataSet</i> .	Development kits > SV Manager Toolkit
Failed to import multiple events (SPR #66361, 66158) Importing multiple events on variable at once failed if the last part of their name was identical. The issue could be reproduced when generating multiple instances of a template comprising an event with the Application Architect.	Development kits > XML Generic Import Toolkit Also in: 12.0.10, 11.2.06086
Upgrade Fatal error with expressions in varexp.dat (SPR #67839) Under some circumstances, a fatal error could occur when migrating a project due to Expressions included in Varexp.dat file. The issue occurred when the bit 8 of the VARINCLUDEDFILES field was set to 1 (0x100) in the file Param.dat, with an expression exceeding 512 characters.  To solve this issue, it is recommended to set this bit to 0.	General
Loss of branches with description (SPR #65390) Branches without variables but having a description were not loaded at project startup and lost at the next project shutdown.	General
Fatal error on exit (SPR #66398) Under some circumstances, a fatal error could occur during the exit phase of PcVue. The issue occurred during the exit in a scenario when a variable property dialog box had been open via the variable selector while configuring animations in the graphic editor.	General Also in: 11.2.06087
Network license token not retrieved (SPR #66654, 66652) Under some circumstances, client stations did not retrieve their license token when the station owning the network license was declared after the client station in the networking configuration.	General > Licensing

Reference: PcVue 15 Release Notes

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AD user login failure (SPR #68106)  Active Directory users could not login after a restart of the computer and until it had reached the Domain controller at least once. From now on, group SIDs are managed in addition to user names and their associated groups.	General > User management Also in: 12.0.20
Script executed twice on logout (SPR #67695) The Logout script configured in the user profile was executed twice at logout for the DEFPROFILE profile.	General > User management
Could not load project version (SPR #66692)  No error message was displayed when it was not possible to load a project due to insufficient folder or file permission. Now an error message is displayed in the Event viewer.	General > Version management
File & Folder filter for Project version not correctly saved (SPR #68848, 66794) Under some circumstances, the file selection configured in the central project management was not correctly saved. The issue could occur in particular when selecting the All files in project directory checkbox at the project root level.	General > Version management Also in: 12.0.14, 11.2.06099
Fatal error upon HDS shutdown (SPR #66900) A fatal error could occur during shutdown when the HDS tried to record the exit invalid trend points. It only occurred when one of the trend had no previous record available in the database.	<b>Historical data</b> Also in: 12.0.20, 11.2.06095
HDS failed to shutdown (SPR #67837, 67552, 67269, 16966, 16117)  Under some circumstances the HDS did not shutdown properly when shutting down PcVue.	Historical data
Other fixes & enhancements (SPR #67725)  [FIX][#67725]  HDS: UpgradeDatabase.sql: remove reference to steps in output. Step 3 now correctly ndented on the left	Historical data
Fatal error at project startup (SPR #67652)  Under some circumstances, a fatal error could occur at project startup due a conflict in accessing pending event logs (event logs waiting to be recorded).	Historical data Also in: 12.0.16, 11.2.06094
Populations not correctly applied to HDS log lists (SPR #66699)  Under some circumstances, populations were not correctly applied to HDS log lists in cog Viewer, leading to an empty display. The issue occurred when multiple criteria were applied to the same attribute.	<b>Historical data</b> Also in: 12.0.15
Fatal error at startup with HDS records (SPR #67471) A fatal error occurred at project startup when the HDS invalid record file (*.hds) was not accessible, for instance due to a file lock by another process. Now an error messages is ogged.	<b>Historical data</b> Also in: 11.2.06094
ncorrect user recorded in log lists with Watchdog alarm variables (SPR #62426)  /ariables set by a Watchdog alarm equipment (VARTREAT) were recorded in log lists as naving been set by the logged user. As it is a background operation that is not initiated by any user, the corresponding field is now recorded empty.	<b>Historical data</b> Also in: 11.2.06092
Fatal error on project shutdown (SPR #66363)  Under some circumstances, a fatal error occurred at project shutdown after having deleted an archive unit containing trends.	Historical data
#x substitution with free archive units The substitution #x (timestamp quality) did not work properly when used to record logged events on free archive units.	Historical data Also in: 12.0.11, 11.2.06087



Could not load or generate log reports (SPR #66341, 62750)  It was not possible to load or generate log reports from a station using a server license.  This change also fixes an issue related to user rights for log reports (as defined in the	<b>Historical data</b> Also in: 12.0.10,
Window tab of a user profile).	11.2.06086
Message filling rate variable out of range (SPR #66733)  On client stations, the variable linked to the filling rate of a proprietary archive was incorrectly initialized, leading to erroneous messages at startup.	<b>Historical data</b> Also in: 11.2.06091
Fatal error when reading ODBC trends points (SPR #66564) A fatal error occurred when accessing trend points recorded with extended attributes in an ODBC archive unit.	<b>Historical data</b> Also in: 11.2.06090
Fatal error when requesting HDS archives (SPR #66579) Under some circumstances, a fatal error could occur when a read request to the HDS was cancelled due to an Out of Memory error, in particular with queries returning a large amount of points or logs.	<b>Historical data</b> Also in: 11.2.06089
Fatal error when exiting the VCR mode (SPR #66773) Under some circumstances, a fatal error could occur when exiting PcVue if running in VCR mode and while playing records.	Historical data > VCR Also in: 12.0.12
Fatal error with .ico file in B directory (SPR #67904) A fatal error could occur when opening the Image selector on a library containing a .ico file. It was due to an improper handling of the thumbnails for this type of files.	<b>HMI</b> Also in: 12.0.19
Fatal error on symbol edition (SPR #67832)	НМІ
Under some circumstances, a fatal error could occur when modifying symbol sub-objects via the Graphic Explorer.	Also in: 12.0.17
Fatal error when closing a mimic (SPR #67571)	НМІ
Under some circumstances, a fatal could occur when closing a mimic. The issue occurred when trying to close a mimic while it is already being closed. For example, it could happen when mimic closure required the execution of a with VBA or SCADA Basic script taking some time to execute.	Also in: 12.0.20, 11.2.06094
Associated actions and context mimic not accessible (SPR #67797)	НМІ
Under some circumstances, associated actions and context mimic were not accessible from a log or alarm viewer. The issue only occurred when the mimic was opened via a SCADA Basic script executed at startup.	Also in: 12.0.17, 11.2.06094
Context mimic with variables attributes (SPR #67261)	НМІ
Since version 12.0, it was possible to open a context mimic from a graphic object animated with a variable attribute such as #_Q, #_T or TATTx#. Such mimics only support a context based on a variable value.	Also in: 12.0.15
Fatal error when opening mimics in binary format (SPR #66783)	НМІ
Under some circumstances, a fatal error could occur when opening a mimic due to some objects being loaded twice.	Also in: 12.0.15
Graphical interface frozen (SPR #67045)	НМІ
Under some circumstances, the graphical interface could freeze due to the use of AVI or GIF objects in mimics. The loading and display of these objects is now optimized to avoid an overconsumption of CPU resources.	Also in: 12.0.15
Residual objects displayed with large preview (SPR #67062) Some residual objects were displayed in images and symbols selectors when using large preview.	<b>HMI</b> Also in: 12.0.15
Context window not disabled (SPR #66323)  The advanced property <i>No context window</i> of variables was not correctly taken into account in the Alarm and Log viewers.	НМІ
Layer toolbar not hidden after pressing F8 (SPR #15590) The layer toolbar was not hidden as other toolbars and menus after pressing the F8 key.	НМІ



Layer toolbar not refreshed after SCADA Basic call (SPR #65119) The layer toolbar was not refreshed after calls to the SCADA Basic instruction WINDOW mode LAYER.	НМІ
Missing items added in the Animation toolbar (SPR #66888) Some items were missing in the Animation toolbar, in particular, Image animations.	НМІ
Fatal error with image and symbol selectors (SPR #66005) It was possible to try to insert an image or a symbol using the corresponding selector even if no mimic was open, causing a fatal error.	HMI Also in: 12.0.9
Mimic incorrectly resized and positioned when switching to Design mode (SPR #66196) Under some circumstances, when switching a mimic from runtime to design mode, its size and position were incorrectly recalculated due to screen resolution adaptation.	HMI Also in: 12.0.9
Fatal error when browsing through mimics (SPR #66838) Under some circumstances, a fatal occurred when browsing through mimics while a mimic was being closed.	<b>HMI</b> Also in: 12.0.25, 11.2.06091
ActiveX controls based on .Net loaded twice (SPR #66858) ActiveX controls based on .Net components were loaded twice.	<b>HMI</b> Also in: 12.0.13
Fatal error with symbol containing a Trend viewer (SPR #66968)  A fatal error occurred when manipulating a symbol containing a Trend viewer with the option Save runtime properties activated.	<b>HMI</b> Also in: 12.0.13
Unable to edit symbol from the Graphic Explorer (SPR #66665) Under some circumstances, it was not possible to edit a symbol directly from the Graphic Explorer. The issue occurred when the anchor point of a symbol was invalid.	<b>HMI</b> Also in: 12.0.13
Incorrect display if Print format includes tabs (SPR #67841) Alarm viewer columns were incorrectly filled when the <i>Print format</i> was empty or set with tabulation characters.	HMI > Alarm viewer Also in: 12.0.19
Incorrect filtered list of alarms in Alarm viewer (SPR #67009)  Under some circumstances, the alarms displayed in an Alarm viewer did not match the expected filter. It could occur if a filter was applied using VBA while quickly opening and closing mimics.	HMI > Alarm viewer Also in: 12.0.14, 11.2.06091
Virtual keypad - Validate text input with key Enter (SPR #66378, 65503)  Text input could not be validated by pressing the hardware keyboard key <i>Enter</i> (if any). The input could only be validated with the <i>OK</i> button of the Virtual keypad.	HMI > Animations Also in: 12.0.19
Marker zoom levels not retrieved (SPR #68089) The zoom level limits of markers were not correctly retrieved in the Map positioning animation.	HMI > Animations
Fatal error with a variable name used in a tooltip (SPR #67020)  A fatal error occurred when a variable with a name longer than 80 characters was used in a tooltip.	HMI > Animations Also in: 12.0.14
Associated labels not correctly displayed with mismatching label type (SPR #66371) Under some circumstances, the displayed associated label was incorrect. The issue occurred when the compatibility setting Allow use of mismatched associated label type was enabled, with a variable of type alarm configured with a Bit Associated Label.	HMI > Animations Also in: 12.0.11
<b>Background image position</b> (SPR #66458) Background image settings were not correctly interpreted in the Chart Control, leading to an incorrect positioning of the image.	HMI > Chart control Also in: 12.0.11



#### Fatal error when adding a Security animation to a tree-view control (SPR HMI > Form controls #68238) Under some circumstances, a fatal error could occur when adding one of the following security animation to a tree-view control: Double signature, User information, User manager. Tree-view control external file not saved after changes (SPR #67489) HMI > Form controls Rearranging or deleting nodes in a Tree view control did not trigger the save prompt when the content of the tree-view was defined in an external file. HMI > Form controls Event OnSelectionChanged improperly triggered in Combo-box (SPR Also in: 12.0.18 The event OnSelectionChanged was improperly triggered in the Combo-box control when navigating in the dropdown list using the keypad. It is now only triggered upon validation of the new item selection. Fatal error when loading the content file of a tree view (SPR #66779) HMI > Form controls A fatal error occurred when updating the content of a tree-view control by loading a Also in: 12.0.12. content file defined by a variable link. The initial loading worked properly, the issue 11.2.06091 occurred when loading another file including items with animations. HMI > Graphics **Incorrect position and size in the status bar** (SPR #66176) The size and the position displayed in the status bar for the selected item was not correct unless the item had been moved or resized. Text characters overlapping (SPR #66350) HMI > Graphics Text characters were overlapping when using a non-fixed-pitch font such as Arial with a small size (2 or 3) when a zoom was applied to a mimic. Font not properly initialized (SPR #66411) HMI > Graphics Under some circumstances, when using the ASCII format, text fonts were not properly Also in: 12.0.11, initialized. Consequently, the text graphic item failed to load and display. 11.2.06087 VBA event KeyPressed not triggered (SPR #68045) HMI > Grid control The VBA event KeyPressed of the Grid Control was not triggered when pressing an arrow Also in: 12.0.17 key if the key was associated to a Function Key action. HMI > Grid control Opening a mimic containing the Grid Control (SPR #67930) When using the Grid Control with the Variable Tracking mode activated, the height of Also in: 12.0.17, each row was unnecessarily stored in the mimic (or symbol) file. It was leading to an 11.2.06095 unusual long time to open the mimic, and could lead to a fatal error in some cases (due to timeout errors). **Enumerated labels not displayed with ODBC source** (SPR #67335) HMI > Log viewer Enumerated labels were not correctly displayed in the Log viewer when the archive unit was of type ODBC. HMI > Log viewer Event labels Alarm On and Alarm Off incorrectly displayed (SPR #65440) When the setting Log only alarm on/off changes in log lists was enabled, the events Alarm On and Alarm Off were not displayed with the correct label. **Zooming with SCADA Basic** (SPR #67410) HMI > Map control It was not possible to modify the zoom level via SCADA Basic when the zoom was not activated in the control.

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**Fatal error on text color modification** (SPR #67988)

A fatal error could occur when editing the text color of a Text marker.

Fix of a blinking effect on the map control when a marker position was updated.

Blinking effect (SPR #65506)

HMI > Map control

HMI > Map control

Also in: 12.0.19

Also in: 12.0.19



Persistent properties not loaded (SPR #67420) Persistent properties <i>Zoom</i> and <i>Position</i> were not correctly loaded at mimic opening when it was saved in the ASCII format.	HMI > Map control
Incorrect position of a symbol in design mode (SPR #67570) In design mode, a symbol at an absolute position was incorrectly anchored in the Map Control.	HMI > Map control Also in: 12.0.15
Markers not refreshed after a VBA call (SPR #67222) Under some circumstances, position of markers were not correctly refreshed after changing the zoom level or the position via a VBA script.	HMI > Map control
Error message displayed when opening a map (SPR #66956) Under some circumstances, an error message could be raised when displaying a map at project startup, due to execution synchronization issues.	HMI > Map control Also in: 12.0.15, 11.2.06093
VBA form issue with the map control (SPR #65854) Under some circumstances, when a VBA form was open on top of a map control, it could happen that mouse events were trapped by the map control, thus preventing correct user interaction in the VBA form.	<b>HMI</b> > <b>Map control</b> Also in: 12.0.8, 11.2.06082
Upgrade Relative path not based on folder TP (SPR #66559) In the Pie control configuration, the path of the file containing the item list was based on the BIN folder instead of the TP folder of the project if using a relative path.	HMI > Pie control
Textbox control not initialized with variable content (SPR #67452) The Textbox control was not correctly initialized with the value of a variable when used in a mimic with a branch.	HMI > Textbox control Also in: 12.0.19
Incorrect cursor value (SPR #68428) The cursor value displayed in the Trend viewer was incorrect for curves whose rank was over 8.	HMI > Trend viewer Also in: 12.0.20
Trends not displayed correctly on large screens (SPR #68081) Curves were not rendered properly if the Trend Viewer was larger than 3200 pixels.	<b>HMI</b> > <b>Trend viewer</b> Also in: 12.0.19, 11.2.06095
Trends not displayed upon request to the archives (SPR #66731) Under some circumstances, trends could disappear and no longer be displayed when requesting historical data. The issue occurred when a real time value (for one of the displayed variables) was received while processing the historical data.	HMI > Trend viewer Also in: 12.0.17, 11.2.06095
Trend data export wizard did not consider the buffer size (SPR #67401)  The Trend data export wizard did not consider the <i>Buffer size</i> property and thus could export more data than expected.	HMI > Trend viewer
Empty button in the legend (SPR #66812) Under some circumstances, icons were not displayed on buttons of the legend (scale, visibility).	HMI > Trend viewer
Thresholds not found (SPR #66329)  If the mimic had a branch, threshold values were not found when configuring thresholds for a new trace with the auto-mode.	HMI > Trend viewer
Trend viewer runtime configuration lost (SPR #66736) The runtime configuration of Trend viewer was not correctly saved with branched mimics.	HMI > Trend viewer Also in: 12.0.12
Trend viewer runtime properties lost (SPR #66648) The runtime properties of Trend viewer was lost when a curve's label contained a comma.	HMI > Trend viewer Also in: 12.0.12, 11.2.06090



Change Period dialog not opening (SPR #66188) Some tools of the Trend viewer such as the <i>Change Period</i> dialog box were inactive if the parent mimic did not have the focus. It was occurring in particular cases when the mimic was opened in a Tab.	HMI > Trend viewer Also in: 11.2.06084
Fatal error sending an SMS (SPR #67406) A fatal error could occur when sending an SMS completed with a time-out.	<b>Miscellaneous</b> Also in: 11.2.06093
Fatal error when broadcasting Schedules and Cron.dat (SPR #67412) A fatal error occurred when broadcasting schedule modifications while the access to the file CTEMP\Cron.dat was locked (opened by another application).	<b>Miscellaneous</b> Also in: 11.2.06093
Cyclic action not correctly removed (SPR #66128) Under some circumstances, cyclic actions were not correctly deleted after being created with the SCADA Basic instruction CYCLIC, mode ADDPROGBYID. It was causing the following message to be displayed in the event viewer: 'Cyclic action not found in share configuration'.	Miscellaneous Also in: 11.2.06083
Fatal error on fast connection/disconnection (SPR #67249) Under some circumstances, a fatal error could occur when a station disconnected quickly after its connection (within a few milliseconds).	<b>Networking</b> Also in: 11.2.06095
Fatal error with misconfigured server association (SPR #67100) Under some circumstances, a fatal error could occur with a single active server association comprising 3 or more servers with some missing node links between servers. For instance a 3-server association where the link between server 2 and server 3 is deactivated.	Networking Also in: 11.2.06092
Incorrect value for system variable The system variable System. Assoc Number. Station Number. Switch. Passive_completed was not correctly initialized at project startup on passive servers. It was set to 0 instead of 1.	Networking Also in: 11.2.06091
<b>Population - VarType not correctly applied to alarms</b> (SPR #68200) Populations were not correctly applied when using the filter <i>VarType in ('Alarm')</i> as alarms were first considered as bits if combined with another filter criteria.	Real time data
Supervisor life indicator updated too frequently (SPR #67846) The treatment of type Supervisor life indicator was not correctly handling the producer list of the item itself and that of its result variable, leading to the update of the variable by multiple stations.	Real time data
Unit and Format properties of HMI variable (SPR #68195) The <i>Unit</i> property of HMI variables did not support special characters (i.e.: °C, °F), and the <i>Format</i> property was not correctly checked and interpreted.	Real time data
<b>Could not write simulated variables</b> (SPR #67500, 67499, 67498, 67455) It was not possible to write to a variable if it was not configured to be commandable. As one purpose of the Simulated property is to simulate user operations, such variables need to be writable when simulated.	Real time data
<b>Simulated property lost after restart</b> (SPR #67318) The <i>Simulated</i> property of a variable was lost after project restart if the variable was also configured as <i>Saved</i> .	Real time data
Invalid initial values (SPR #62921) In an architecture with an association of type multiple active servers, the initial values of variables were correctly loaded only on the first server that started. On all other servers in the association, variables remained invalid.	Real time data
Upgrade #B filter not working for treatment WATCHDOG (SPR #65765) Since version 10.0, the #B filter was no longer working when used in a Variable Life Indicator (treatment WATCHDOG).	Real time data



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Upgrade Could not load Event on Text variables (SPR #66244) Under some circumstances, events configured with an expression on Text variable were not correctly loaded when upgrading a project from an older version, due to the presence of multiple simple-quotes and lower-case characters.	Real time data
Fatal error with Chrono variables  A fatal error occurred when a Chrono variable was configured with a Triggering or Initialization bit having a name which length was greater than 132 characters.	Real time data
Population with an incorrect filter (SPR #66918, 65995)  No error message was displayed when creating or loading a population having an incorrect Filter. The control of these filters has been enforced and error messages are now displayed.	Real time data
<b>Treatment WATCHDOG did not invalidate variables</b> (SPR #65764, 59121) Variable Life Indicator (treatment item of type <i>WATCHDOG</i> ) did not invalidate variables correctly when the field 19 was set to 0.	Real time data
OPC watchdog treatment not fully executed (SPR #66922) Under some circumstances, watchdog treatment on OPC variables was not working properly and only part of the variables were set to NS WD on watchdog failure.	<b>Real time data</b> Also in: 12.0.19, 11.2.06091
Fatal error with a large number of recipes (SPR #68267)  A fatal error could occur when opening the <i>Select recipe</i> dialog from an animation if having more than 5120 recipes configured in the project. Up to 15360 recipes can now be displayed. Additional recipes are not displayed.	Recipe
Page number when selecting a recipe (SPR #68277) The page number was not correctly displayed when the recipe selection dialog was opened from an animation.	Recipe
Several fixes & enhancements to recipes (SPR #66666, 65990)  The list of fixes & enhancements includes:  • Variable titles are now displayed with their index,  • Selection issue if a recipe had special characters in its title,  • Recipe number not retrieved when selected by title.	Recipe
Loading recipes with the same label or number (SPR #65803)  No error message was shown when trying to load multiple recipes having the same label or number. An error message in now raised in the Event viewer to inform the user about the misconfiguration.	Recipe
<b>SV Manager Toolkit - Some variables not accessible</b> (SPR #66727) Since version 12, it was no longer possible to access variable having a scope Session context or Client context.	Scripting
<b>BeforeClose script not triggered</b> (SPR #68418) The SCADA Basic function called upon closing a mimic was not correctly triggered when the mimic was closed via SCADA Basic. This fix applies to PcVue desktop only.	Scripting > SCADA Basic Also in: 12.0.20
Syntax highlighting and auto-completion (SPR #67416, 66404, 66403, 66004)  Fixes & improvements to syntax highlighting and auto-completion in the SCADA Basic editor for the following instructions:  instruction EVENT mode TRACE, instruction EVENT mode ADDEMAIL, instruction EVENT mode ADDSMS, instruction OPC all modes (use of . as communication object separator instead of /), instruction POWER, instruction WEBVUE mode HYPERLINK, instruction WINDOW mode CHANGE,	Scripting > SCADA Basic



Instruction WINDOW mode CURRENTNAME - Did not work with Treeview animation (SPR #67017) The instruction WINDOW mode CURRENTNAME returned an empty string when the mimic was opened with a Link.Open animation from a Tree-view control.	Scripting > SCADA Basic
Instruction VARIABLE mode ASSOCIATEDLABEL - Incorrect return value (SPR #67675) The label name was returned instead of the label current value when the instruction VARIABLE mode ASSOCIATEDLABEL was called for a variable of type Bit.	Scripting > SCADA Basic Also in: 12.0.19
Instruction KEY mode ADDPROG - Call to a script in a local library failed (SPR #67804) When using the instruction KEY mode ADDPROG, it was not possible to add a function key calling a script stored in a local library.	Scripting > SCADA Basic
Instruction POPULATION mode ADDLINE - Filter not added (SPR #68199)  A population was not correctly updated when new lines/filter were added with the SCADA Basic instruction POPULATION mode ADDLINE.	Scripting > SCADA Basic
Instruction SEQ_BUFFER mode PUT_LINE - Fatal error (SPR #67813) Under some circumstances, a fatal error could occur when using the instruction SEQ_BUFFER mode PUT_LINE with a string having the same size as the buffer.	Scripting > SCADA Basic
Instruction VARIABLE modes GET_DOUBLE_IN_DB and GET_LONG_IN_DB - Always returned 0 (SPR #68187) The instruction VARIABLE modes GET_DOUBLE_IN_DB and GET_LONG_IN_DB always returned 0 when used with a variable of type Bit or Alarm.	Scripting > SCADA Basic
Instruction VARIABLE mode GET_TYPE - Did not work with HMI variables (SPR #69337) The instruction VARIABLE mode GET_TYPE returned an error when used with HMI	Scripting > SCADA Basic Also in: 12.0.24
variables.	A130 III. 12.0.24
	Scripting > SCADA Basic Also in: 12.0.20, 11.2.06097
variables.  Instruction SVLOG - Last line missing in buffer (SPR #68234)  When exporting data with the SCADA Basic instruction SVLOG, the last line was missing	Scripting > SCADA Basic Also in: 12.0.20,
Instruction SVLOG - Last line missing in buffer (SPR #68234) When exporting data with the SCADA Basic instruction SVLOG, the last line was missing in the exported buffer.  Instruction EXPORT_LOG mode GETSTATISTIC - Sort order argument ignored (SPR #68221, 68211) The argument StatSortOrder was not correctly taken into account when using the instruction EXPORT_LOG mode GETSTATISTIC. No error was returned when passing an inappropriate value, and with a correct value, it	Scripting > SCADA Basic Also in: 12.0.20, 11.2.06097  Scripting > SCADA Basic



Memory leak when changing a threshold on a passive server (SPR #68034) Under some circumstances, a memory leak could occur when executing the instruction VARIABLE mode THRESHOLD_SETVALUE on a passive server.	Scripting > SCADA Basic Also in: 12.0.17, 11.2.06095
Instruction KEY modes ADDPROG, ADDCLK and ADDSTD - Existing key not replaced (SPR #67955)  When creating a new function key action with the SCADA Basic instruction KEY modes ADDPROG, ADDCLK or ADDSTD, an existing definition of the key combination was not replaced by the new one, leading to the execution of both actions when triggered. As described in the help, any existing definition of a temporary key is now replaced, and the instruction returns an error if the existing key is permanent (configured) and cannot be replaced by script at runtime.	Scripting > SCADA Basic Also in: 12.0.16
Instruction CONVERT mode ATOBCD - Inconsistent result (SPR #66897) The instruction returned an inconsistent result if the argument did not correspond to a numeric value. Now, it returns 0.	Scripting > SCADA Basic
Instruction EVENT modes DEL & DELPROG - Support of the @ character (SPR #67342) The instruction EVENT modes DEL and DELPROG did not support the use of a variable name starting with the @ character.	Scripting > SCADA Basic
Upgrade Instruction FILETRANSFER - Relative path not based on folder TP (SPR #66864) When downloading files with the instruction FILETRANSFER, the destination folder was based on the BIN folder instead of the TP folder of the project if using a relative path.	Scripting > SCADA Basic
Instruction HISTORY mode GETTREND - Fatal error when requesting values (SPR #67698) Under some circumstances, a fatal error could occur when requesting historical values with the instruction HISTORY mode GETTREND, and a large format generating records with more than 120 characters each.	Scripting > SCADA Basic
Instruction HISTORY mode UNIT - No error returned if unit did not exist (SPR #66772)  No error was returned by the instruction HISTORY mode UNIT if the archive unit did not exist.	Scripting > SCADA Basic
Upgrade Instruction M61850 - Rework of return and error codes (SPR #66916) Returned values and error codes of all modes of the instruction M61850 have been reworked. Please refer to the online help for further details.	Scripting > SCADA Basic
Text variable truncated after a copy (SPR #66784) When copying a working variable of type string to a Text variable, the working variable was truncated to the maximum length of the target variable.  Dim sText As Str; sText = 'azerty'; @VAR.TEXT = sText; 'sText is truncated to the length of @VAR.TEXT	Scripting > SCADA Basic
Instruction SQL_COMMAND mode READBUFFERCELL - Empty cells were ignored (SPR #67266) String cells having a NULL value were ignored and skipped when using the instruction SQL_COMMAND with the mode READBUFFERCELL. They are now interpreted as empty strings.	Scripting > SCADA Basic Also in: 12.0.15
Instruction CHART mode SERIES_SETVAR - Did not work with branch (SPR #66122) The SCADA Basic instruction CHART mode SERIES_SETVAR did not work properly with branched mimics.	Scripting > SCADA Basic





Instruction CRONTAB mode NETWORKBROADCAST - Unknown list or variable (SPR #11737) The instruction CRONTAB mode NETWORKBROADCAST did not return an error when the modification list or the status variable passed as argument did not exist.	Scripting > SCADA Basic
Instruction FORMAT - Fatal error with incorrect format (SPR #66446) Under some circumstances, a fatal error could occur when the format of the input string was incorrect.	Scripting > SCADA Basic
Instruction GETARG mode WBRANCH - Returned mimic name instead of branch (SPR #66174) The name of the mimic was incorrectly returned instead of its branch when using the instruction GETARG mode WBRANCH after a call to the instruction ALARMDISPLAY mode ONLINESELECT.	Scripting > SCADA Basic
Instruction M104 mode DEVICESETIPADD - Application Explorer not refreshed (SPR #66382, 65416)  The information displayed in the Application Explorer was not refreshed after updating an IEC 104 device IP address with the instruction M104 mode DEVICESETIPADD. The runtime was correctly updated and connection properly done with the newly set IP address.	Scripting > SCADA Basic
Instruction POPULATION mode DUMP - No result displayed after creation (SPR #65988) When executing the instruction POPULATION mode DUMP right after having created or modified a population, the result displayed was the previous content of the population (empty after a creation).	Scripting > SCADA Basic
Upgrade Instruction RECIPE mode NETWORKBROADCASTALL - Incorrect status values (SPR #65430)  The status values returned by the instruction RECIPE mode NETWORKBROADCASTALL were incorrect. It was returning -1 instead of 1 (as stated in the documentation) for the stations that did receive the broadcast successfully.	Scripting > SCADA Basic
Instruction RECIPE mode NETWORKBROADCASTALL - Unknown list or variable (SPR #11737) The instruction RECIPE mode NETWORKBROADCASTALL did not return an error code when the modification list or the status variable passed as argument did not exist.	Scripting > SCADA Basic
Instruction TREND modes GETYMIN and GETYMAX - Real time values with auto fit (SPR #66364)  The instruction TREND modes GETYMIN and GETYMAX returned the configured values instead of the current runtime values when the <i>Auto fit</i> option was active.	Scripting > SCADA Basic
Instruction LOGDISPLAY mode FILTER - Fatal error with multiple INC clauses (SPR #66217)  A fatal error occurred when using a filter having multiple INC clauses and using the % wildcard. e.g.: =(#A1 INC %Domain%) && (#A2 INC %Nature%)	Scripting > SCADA Basic Also in: 12.0.9
Fatal error when importing variables (SPR #64677) Under some circumstances, when the auto-number internal identifiers (variable tagname) setting was not activated, a fatal error could occur when importing variables with the SCADA Basic instruction VARIABLE modes IMPORTFILE or IMPORTBUFFER.	Scripting > SCADA Basic Also in: 12.0.8, 11.2.06081
Instruction SVLOG mode EXTRACT - Lines enclosed with double-quote (SPR #68234, 66631) Since version 11.2.06066, every lines returned by the instruction SVLOG mode EXTRACT were enclosed with double-quotes. This could cause compatibility issues with 3rd party software or scripts used to parse the exported files.	Scripting > SCADA Basic Also in: 12.0.20, 11.2.06091



Instruction CIMWAY mode READFRAME - Fatal error when read request failed (SPR #66607) A fatal error could occur when a read request triggered by the instruction CIMWAY mode READFRAME failed.	Scripting > SCADA Basic Also in: 12.0.12
Instruction WINDOW mode IS_OPEN - Handling of the '*' (SPR #66337) Using the value '*' for the branch argument when calling the instruction WINDOW mode IS_OPEN no longer worked. This issue was a regression introduced in version 11.2.06048.	Scripting > SCADA Basic Also in: 12.0.10, 11.2.06086
<b>Issue with long string literals</b> (SPR #66255) Using a string literal with a size longer than 80 characters generated a memory overrun that could lead to a PcVue fatal error.	Scripting > SCADA Basic Also in: 12.0.10, 11.2.06086
Instruction TREND modes SETVAR and SETVARLIST - Empty labels (SPR #66237) When using the TREND instruction with modes SETVAR and SETVARLIST, the Label argument was ignored when the Label was initially left empty in the Trend Viewer.	Scripting > SCADA  Basic  Also in: 11.2.06088
Upgrade Instruction ALARM - Population filter not taken into account (SPR #65557) When using the instruction ALARM modes ACKALL, ACKDOMNAT, ACKPRIO, ACKLAST or ACKOLDEST, the currently applied population filter is now taken into account. Population filter taken into account is the one corresponding to functions 8 and 9 (alarms acknowledgement using the Run macro animation and using scripting).	Scripting > SCADA Basic Also in: 11.2.06086
Several fixes & enhancements to TouchVue (SPR #67297, 66946, 66697, 66640, 65853, 65370)  The list of fixes & enhancements includes:  • Under some circumstances, mimics could freeze, • Under some circumstances, users could not logout nor login, • Some variable commands were not correctly triggered when embedded in object groups, symbols or mimic tab, • Incorrect error messages were displayed after unsubscribing a variable.	<b>TouchVue</b> Also in: 12.0.15
No error message on unauthorized user action (SPR #66568)  A friendly user message is now displayed when a user tried to execute an unauthorized action (interlock condition, profile level).	TouchVue
Session closed after displaying a Mimic or a Symbol User session was forcibly closed after having displayed a Mimic or a Symbol. The issue only occurred when the advanced back end setting <i>Immediate release of WebVue authentication subscription</i> whas enabled.	TouchVue
Empty Alarm and Log viewers (SPR #68670) Alarm and Log viewers displayed in a mimic in TouchVue remained empty even when there were alarms and/or events to display. Displaying the same mimic in WebVue worked properly.	TouchVue Also in: 12.0.22
Fatal error when closing a web session Under some circumstances, a fatal error could occur when closing a web client session. The issue could be reproduced if an Alarm Syntheses was configured with the option Take the applied Population into account, and if the value of an extended attribute was changed while closing the web session.	Web Server Extensions Also in: 12.0.17
Could not filter alarms with level 0 only (SPR #67821) It was not possible to filter real time alarms with level 0 only (minLevel=0 and maxLevel=0). With such requests, the maxLevel parameter was automatically set to 29. This issue only affected web components with alarm filtering capabilities (WebVue, Web Services Toolkit and TouchVue).	Web Server Extensions Also in: 12.0.17



Fatal error on browse request by a web client (SPR #67983) Under some circumstances, a fatal error could occur when the configuration of a variable was modified while a browse request was being processed for a web client.	<b>Web Server Extensions</b> Also in: 12.0.17
Incorrect event codes for Command to 0 and Command to 1 The event codes Command To 0 and Command To 1 were incorrectly returned when requesting logged events. The Web Services Toolkit as well as the Log viewer in WebVue were affected.	Web Server Extensions
Login/logout of web users not archived (SPR #66104) The login and logout actions of web users were not archived when the Web back end server did not had a license with the archiving option.	Web Server Extensions
Web session immediately closed (SPR #65837) Sessions were closed immediately when the <i>Automatic Logoff Timeout</i> setting was greater than 32767 sec. The automatic logoff timeout can now be up to 10 hours.	Web Server Extensions
Misleading message displayed (SPR #66068) When a web back end endpoint was configured but the corresponding feature was not installed, a misleading message was displayed at startup: "No configuration found for the backend. Use web deployment console to deploy" instead of indicating that the feature was not installed.	Web Server Extensions Also in: 12.0.9
Trend viewer average value updated in historical mode (SPR #67633) In the Trend viewer legend, the average value of a paused/historical trend was incorrectly updated based on real-time values.	Web Server Extensions > WebVue Also in: 12.0.20
Position of the Close button (SPR #68073) The Close button of popup mimics was not correctly positioned.	Web Server Extensions > WebVue
Alarm viewer sorting not working with checkbox selection (SPR #68143) In WebVue, sorting was incorrectly done on the adjacent column when the <i>Line selection mode</i> was set to <i>By checkbox</i> .	Web Server Extensions > WebVue Also in: 12.0.19
<b>Tooltip displayed for hidden buttons</b> (SPR #68024, 67993) The tooltip was displayed on graphic objects, even if it was hidden due to a Visibility animation.	Web Server Extensions > WebVue Also in: 12.0.19
Web client no longer refreshed (SPR #68066, 67305) Under some circumstances, when using popup mimics, WebVue was no longer refreshed and was disconnected after a while.	Web Server Extensions > WebVue Also in: 12.0.19
Control animation played twice Under some circumstances, control animation could be executed twice on Safari for iPadOS.	Web Server Extensions > WebVue
Printing the Trend viewer in Firefox (SPR #67926) When using the Firefox browser, printing a Trend viewer did not work properly. A new setting Keep WebGL Buffer for printing is available in the WebVue client settings. It must be activated for the trend viewer printing to work in Firefox, but may have a significant impact on the performances. This issue only affected Firefox browser. WebKit based browsers are able to print even if the option is disabled.	Web Server Extensions > WebVue
Alarm viewer filter #t not applied (SPR #67287) Filtering by SCADA Basic using #t did not work properly with the Alarm viewer in WebVue.	Web Server Extensions > WebVue
<b>Domain and Nature filters duplicated in GPConf.dat</b> (SPR #65621) Under some circumstances, duplicated filter lines were written in the <i>C\GPConf.dat</i> file when Domains and Natures were containing space characters.	Web Server Extensions > WebVue



Incorrect Trend viewer display (SPR #66149) Under some circumstances, a Trend viewer in a WebVue context could be blinking or having an erroneous display after calling consecutively multiple set modes (SETVAR, SETYMIN, SETYMAX, SETTYPE, SETCOLOR) of the TREND instruction.	Web Server Extensions > WebVue
Support for Sql-like filter for LOGDISPLAY instruction (SPR #67282, 66722) Sql-like filtering is now supported by the SCADA Basic LOGDISPLAY instruction when used in the context of a WebVue session.	Web Server Extensions > WebVue
Trend viewer legend Min, Max and Average not refreshed (SPR #67633) In a WebVue context, the <i>Min, Max</i> and <i>Average</i> legend columns of the Trend viewer were not correctly refreshed when switching from Real time to Pause mode.	Web Server Extensions > WebVue
Trend viewer not displaying curves (SPR #67633)  Under some circumstances, real time trends were not displayed in Trend viewers in a WebVue context. The issue occurred when there was no previous point recorded in the primary archive unit or when the variables were dynamically set with SCADA Basic instruction TREND mode SETVAR.	Web Server Extensions > WebVue
Web client frozen when displaying Trends (SPR #67816) WebVue could freeze when displaying a Trend viewer configured with an interval between grid lines set to 0. Now with such setting, the Trend viewer uses the automatic mode to adjust grid lines.	Web Server Extensions > WebVue
Animation not triggered (SPR #67697) When a symbol was part of a group, its animations were not correctly triggered on mouse-click.	Web Server Extensions > WebVue Also in: 12.0.18
Trend viewer toggle button show/hide (SPR #67701) The toggle button to show/hide curves (in the legend) was not working properly when trends were dynamically set via SCADA Basic instruction TREND mode SETVAR.	Web Server Extensions > WebVue Also in: 12.0.18
Instruction TREND mode SETVAR - Variable description not updated (SPR #66637) In a WebVue context, the variable description was not updated in the legend when the curve was modified with the SCADA Basic instruction TREND mode SETVAR.	Web Server Extensions > WebVue Also in: 12.0.15
Auto-size property not taken into account (SPR #65574) The Auto-Size property of Text elements was not taken into account in WebVue context. It could cause truncated display of register or text values when associated with Text.Register or Text.Text animations.	Web Server Extensions > WebVue
Calling mimic not closed (SPR #66911) In a WebVue context, the calling mimic was not closed when a <i>Link.Open</i> animation was triggered from a tree-view control.	Web Server Extensions > WebVue
Error message with the Timetable animation (SPR #66889, 65971)  A user-friendly message is now displayed when opening the not supported Timetable Animation in a WebVue session.	Web Server Extensions > WebVue
Fatal error when hiding a Trend viewer scale  Under some circumstances, a fatal error could occur when hiding a scale in a Trend viewer while a cursor was active.	Web Server Extensions > WebVue
Filter lost in Log viewer (SPR #66360) A filter set by SCADA Basic was lost when scrolling from one page to another one within the Log viewer itself.	Web Server Extensions > WebVue
Incorrect mouse icon with slider animation (SPR #65819) With the Firefox web browser, a move mouse icon was displayed when triggering a slider animation (Translation.Single Axis Positioning).	Web Server Extensions > WebVue



Incorrect text color in MS Edge (SPR #66036) Under some circumstances, an incorrect color was displayed when multiple overlapping text elements had the same content but different colors. Only the first color was rendered while it should have been the last. The issue only occurred with the Edge web browser.	Web Server Extensions > WebVue
Incorrect values in Trend viewer legend  Some values were not correctly disabled and refreshed in the Trend viewer legend when used in a WebVue context. In particular:  • For Scale Min and Scale Max, the configured number of digits was not taken into account and they were not refreshed when zooming;  • The Timestamp at the cursor was not correctly refreshed in real time mode, and not cleared when unselecting all curves.	Web Server Extensions > WebVue
Infinite loop when opening mimic with Trend viewer (SPR #66145) Under some circumstances, an infinite loop error could be triggered when opening a mimic with a Trend viewer. The issue occurred when the SCADA Basic instruction TREND mode SETVAR was executed within the script called at mimic opening.	Web Server Extensions > WebVue
Instruction TREND mode SETVAR - Trend viewer frozen Under some circumstances, the Trend viewer could freeze after using the SCADA Basic instruction TREND mode SETVAR. The issue only occurred if the requested variable did not exist or if the requested variable was identical to the one already displayed.	Web Server Extensions > WebVue
Modal mimics not disabling all background clickable commands (SPR #66147) Under some circumstances, some commands located in a mimic in background could be triggered even when a modal mimic was opened in foreground. The issue only occurred when the web browser had been resized.	Web Server Extensions > WebVue
<b>Sizeable comment column in the Log viewer</b> (SPR #66034) The <i>Comment</i> column was always sizeable even when columns were defined as locked in the Log viewer properties.	Web Server Extensions > WebVue
System menu hidden (SPR #66033) Under some circumstances, the system menu was moved outside of the visible bounds after having used the web browser built-in zoom features.	Web Server Extensions > WebVue
Trend viewer cursor value not rounded (SPR #66430) The cursor value in a Trend viewer is now rounded according to the configuration.	Web Server Extensions > WebVue
Useless scrollbar removed from the Trend viewer (SPR #66455) A useless horizontal scrollbar was always displayed in the Trend viewer.	Web Server Extensions > WebVue
Incorrect blinking color on alarms (SPR #66111) Under some circumstances, the blinking color of graphical items remained even after a status change of the alarm, typically after its acknowledgment.	Web Server Extensions > WebVue Also in: 12.0.9
Web client frozen after closing foreground mimic (SPR #66179) Under some circumstances, the web client could freeze after closing a foreground mimic when another foreground or modal mimic was opened.	Web Server Extensions > WebVue Also in: 12.0.9
Web client frozen with modal mimic in background (SPR #66037) Under some circumstances, after opening a mimic from a modal mimic, the web client could freeze due to the modal mimic being moved to background and no longer being accessible.	Web Server Extensions > WebVue Also in: 12.0.9
<b>Zoom actions not working in the Trend Viewer</b> (SPR #66048) Under some circumstances, the zoom actions of the Trend Viewer were not working properly.	Web Server Extensions > WebVue Also in: 12.0.9



Multiple animations executed at once (SPR #69124)  All the Send or Run animations configured on a graphic item were triggered at once, without considering their order. Now they are performed one after the other when successful and not cancelled (if a Send Register animation is cancelled for example)	Web Server Extensions > WebVue Also in: 12.0.24
Fatal error when opening a web client (SPR #67012) Under some circumstances, a fatal error of the web back end station could occur when running a WebVue client. This issue was due a synchronization issue with the server.	Web Server Extensions > WebVue Also in: 12.0.14
Images not stretched (SPR #66947, 65941) The option <i>Stretch image</i> was not taken into account when rendering images used in <i>Images</i> animations (e.g.: <i>Image on Bit</i> ).	Web Server Extensions > WebVue Also in: 12.0.13
Incorrect colors in Trend viewer (SPR #66754) Under some circumstances, color of traces were incorrect in a Trend viewer. The issue occurred when a trend historical request was executed while another one was still in progress.	Web Server Extensions > WebVue Also in: 12.0.13
Alarm viewer with first column empty (SPR #66855, 59115)  A fatal error of the web back end occurred when displaying a mimic in WebVue if it contained an alarm viewer with the first column configured to be empty.	Web Server Extensions > WebVue Also in: 12.0.12
<b>Blinking colors not working in animation</b> (SPR #66679) Blinking colors were not correctly supported in an animation when changing from blinking to fixed color.	Web Server Extensions > WebVue Also in: 12.0.12
<b>Blinking colors with indexed colors</b> (SPR #66091) Blinking colors were not properly displayed on text objects when using indexed colors.	Web Server Extensions > WebVue Also in: 12.0.12
Fatal error with included mimics (SPR #66854) A fatal error occurred when an included mimic was opened with a Link open animation when the parent mimic was named explicitly (instead of using the * character).	Web Server Extensions > WebVue Also in: 12.0.12
<b>Object flickering with translation animation</b> (SPR #66725)  In WebVue, graphic objects were flickering when configured with a translation animation and rendered partly outside of the visible window.	Web Server Extensions > WebVue Also in: 12.0.12
SCADA Basic script not executed on mimic opening (SPR #66785, 66340) SCADA Basic script on mimic opening were not executed in WebVue when the mimic was containing an empty Trend viewer.	Web Server Extensions > WebVue Also in: 12.0.12
Send and Link animations not available on transparent graphic objects (SPR #66577, 66327) Send and Link animations were not executed when configured on an object with invisible border and background. The control zone was not active nor displayed.	Web Server Extensions > WebVue Also in: 12.0.12
<b>Translation animation with improper control zone</b> (SPR #66230) Graphic objects configured with a translation animation were always highlighted with a control zone even if the cursor mode was not activated on the animation.	Web Server Extensions > WebVue Also in: 12.0.12
<b>Trends not set with SCADA Basic instruction</b> (SPR #66340) Opening a mimic and defining trends with the SCADA Basic instruction SETVAR in the same script was not working properly.	Web Server Extensions > WebVue Also in: 12.0.12



Send Bit animation - Mode Handled and Pulse reworked (SPR #66459, 66439, 66334)  The Send Bit animation has been reworked, in particular the modes Handled and Pulse:  With Handled mode, the bit value was not reverted when the mimic lost focus, Pulse mode was executed only when the HMI option Mimic.Animations.Send bit.Handled & Pulse execution was set to Standard.	Web Server Extensions > WebVue Also in: 12.0.11
<b>Time filter wrongly disabled in the Log viewer</b> (SPR #66606)  The Time filter in the Log viewer was incorrectly disabled if the access to filtering options was disabled.	Web Server Extensions > WebVue Also in: 12.0.11
Calendar dialog box not modal (SPR #66099)  The calendar dialog box of the Trend viewer could be improperly hidden behind the mimic. It is now managed correctly as a modal dialog.	Web Server Extensions > WebVue Also in: 12.0.10
Incorrect behavior of the send register animation (SPR #66236) If a user double-clicked on a send register animation (instead of a single click), WebVue improperly opened an empty confirmation dialog box that the user could not close.	Web Server Extensions > WebVue Also in: 12.0.10
<b>Lost control zones</b> (SPR #66209) Control zones were lost on polygons after executing them once.	Web Server Extensions > WebVue Also in: 12.0.10
Home page opened after logon instead of specific schedule (SPR #65886) Users were always redirected to the WebScheduler home page after logon even when they tried to access a specific schedule.	WebScheduler
Access to previous user session (SPR #66317) Under some circumstances, a session reuse could occur.	WebScheduler Also in: 12.0.20
Improper disconnection  Without a user action causing a request to the web server, the user was forcibly disconnected after the session time-out (default 1 mn). It could happen when configuring multiple schedules before saving them at once. A keep-alive request is now sent every 10 sec to make sure the connection is maintained.	WebScheduler Also in: 12.0.16



#### 3. Critical fixes

### **Loss of variables configuration after synchronization** (SPR #65228, 63244, 63130)

Under some circumstances, part of the variable configuration was lost after an import synchronization. It was due to the deletion of branches created by the initial import that were enriched by additional variables from other imports or added via the Application Explorer.

# Configuration Environments > Smart Generators

# **Several fixes & enhancements to the IEC 104 client driver** (SPR #67233, 67208, 67190, 65778)

The list of fixes & enhancements includes:

- SCADA Basic instruction M104, modes NETWORK\_STOP and DEVICE\_SET\_IPADD were leading to a fatal error when used with an empty string for the communication object parameter,
- After a server switchover, some devices were not correctly reconnected and a fatal error could occur,
- Devices could remain disconnected or with an unstable connection state after connection was initiated (upon startup, switchover, communication failure and reconnection...).

As part of these fixes, the device connection and handshaking sequence was heavily reworked for both active and standby devices.

# Data Acquisition > IEC 60870-5 Client

Also in: 11.2.06092

#### Several fixes in the IEC 61850 client driver (SPR #67463)

Fixes are related to the handling of communication object stop/start and includes:

- Fix of a fatal error that occurred when changing the configuration of several variables linked to IEC 61850 report or dataset. The issue could be reproduced when doing an Application Architect synchronization with IEC 61850 devices connected and communicating actively.
- Variable updates could be frozen for 1 minute upon redundant data acquisition server switch from active to passive.
- Failure to reconnect to URCB or BRCB upon redundant data acquisition server switch from active to passive.

### Data Acquisition > IEC 61850 Client

Also in: 12.0.16, 11.2.06094

#### Several fixes & enhancements to the IEC 61850 driver (SPR #66682)

The list of fixes & enhancements includes:

- A fatal error occurred when starting a Report already used by another client,
- Enhanced management of requests callbacks to avoid the communication to be frozen,
- Starting and stopping network and devices are now asynchronous to avoid the process to freeze.

# Data Acquisition > IEC 61850 Client

Also in: 11.2.06092

#### Polling stopped after 25 days (SPR #66766)

The cyclic polling mechanisms used by the IEC 61850 data acquisition driver stopped working properly after a period of 25 days. It was necessary to restart the application to recover a correct behavior.

The affected mechanisms were the following:

- Polling of Datagroup (all versions affected),
- Polling of DataSet (all versions affected),
- Polling of watchdog (all versions affected),
- Cyclic attempt to reconnect a disconnected device (all versions affected),
- Cyclic re-synch GI for reports (affected since version 11.2),
- Cyclic attempt to reconnect disconnected reports (affected since version 11.2).

### Data Acquisition > IEC 61850 Client

Also in: 12.0.12, 11.2.06090

#### Unable to restart serial communication (SPR #67037)

Since version 12, it was no longer possible to restart a serial communication after stopping it. The application had to be restarted to correctly reinitialize the COM port.

# Data Acquisition > Other built-in drivers

Also in: 12.0.15

#### Emergency purge not executed (SPR #67005)

Since version 12.0, the emergency purge was no longer executed properly. In addition, if no scheduled purge was configured, the issue could lead to potential storage issues and changes no longer recorded.

#### Historical data

Also in: 12.0.13

Reference: PcVue 15 Release Notes



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#### **Fatal error at startup with HDS archive unit** (SPR #66718)

Under some circumstances, a fatal error occurred at startup when using HDS archive unit. This issue was a regression introduced in version 11.2.06089.

#### Historical data

Also in: 11.2.06090

#### **Event lost or incorrectly archived in downgraded mode** (SPR #65921)

Under some circumstances, some events were not correctly archived (for some specific types of logged events). The issue occurred only with HDS archive units, when records had been temporarily stored in the .hds file (due to DB connection loss).

#### Historical data

Also in: 11.2.06081

#### Modification of the Send bit animation behavior (SPR #66449)

It is no longer possible to configure a *Send.Bit* animation to send the *Reverse* value with the modes *Pulse* or *Maintained*.

Existing animations will still be executed as configured, even if such a combination is not recommend because depending on the protocol in use, it may lead to an undefined behavior.

#### $\label{eq:hml} HMI > Animations$

#### Inconsistent values between clients and servers (SPR #67293)

Under some circumstances, with a large amount of variables and high-end architectures (multi-level, long-distance WAN...), values on client stations could be wrong due to abnormal long delay in handling subscription after a disconnection (network issue, server switchover ...). Restarting the client was the only method to restore consistent values. As a consequence, third-party applications connected to these stations via server interfaces such as the OPC server might have been notified with incorrect values in the meantime.

#### Networking

Also in: 11.2.06093

### Session context not taken into account in RealTimeData service (SPR #66609, 66410)

Session context was not correctly managed in the *RealTimeData* service of the WST. As an example, the USER variable was returning the name of the user logged on the back end hosting the services (if any) instead of the name of the user authenticated as part of the WST session.

# Web Server Extensions > Web Services Toolkit

Also in: 12.0.11

#### Loss of variables (SPR #68541, 66899)

Under some circumstances, session context and client context variables were lost when a Web user logged in.

The issue only occurred if the compatibility setting *Auto-number internal identifiers* was disabled.

### Web Server Extensions > WebVue

Also in: 12.0.20





### 4. Enhancements

<b>BACnet Server - Support for the device Restart procedure</b> (SPR #67065) The BACnet Server Add-on now support the device Restart procedure.	Add-ons and Tools
<b>License Utility - Display of activation date</b> (SPR #67528) The activation date is now displayed in the License Utility.	Add-ons and Tools
Replication Manager - Purging previous steps before a new replication (SPR #65618)  When an earlier replication failed to complete, remaining steps were still pending and stored in a dedicated table so that they can be processed later on. This feature had side effects in case one did not want the pending steps to be executed. It is now possible to purge this table of pending steps before executing a new replication, by using the Database Manager tool or by using the /P command line argument:  • /P=1 to purge the table,  • /P=0 to keep previous steps (default).	Add-ons and Tools Also in: 12.0.18, 11.2.06093, 11.1.06120
MultiTech LoRa Gateway - Redundancy support The Add-on now supports data acquisition server redundancy.	Add-ons and Tools
EtherNet/IP Add-on - Dynamic variable mapping (SPR #65583)  Variable mapping is now dynamically updated when adding, modifying or deleting a variable. It is no longer required to restart the application to have such configuration changes taken into account by the add-on.	Add-ons and Tools
New return codes for the DBImport (SPR #65829)  Return codes have been added to the DBImport tool to facilitate usage in console mode. It now returns:	Add-ons and Tools Also in: 11.2.06083, 11.1.06121
<b>Timestamp type configuration</b> (SPR #63247) It is now possible to select the timestamp type of data published by the IEC 104 Outstation. It can be either Local or UTC (default).	Communication interfaces > IEC 60870-5-104 Outstation Also in: 11.2.06097
<b>Support for double spontaneous transmissions</b> (SPR #68078) Support for double transmission of information objects with cause of transmission spontaneous. It can be configured in the advanced properties of IEC 104 points.	Communication interfaces > IEC 60870-5-104 Outstation Also in: 12.0.17
Time period edit field (SPR #59490) In configuration tools, all properties and settings corresponding to a time period are now displayed and edited using a human-readable format such hh:mm, hh:mm:ss or hh:mm:ss.lll, where a numeric value in a given unit of time had to be entered until now. Example of such fields are:  • Time period for cyclic actions.	Configuration Environments

- Time period for cyclic actions,
   Timeout and watchdog periods (IEC 104, IEC 61850, DNP3, OPC, SNMP, BACnet...),
- Polling period (IEC 104, IEC 61850, DNP3, OPC, SNMP, BACnet...),
- Execution period (IEC 104...),
- Clock Synchronization period (IEC 104...),
- Archive units and Polling groups,
- Duration of Chrono behavior,
- Time before automatic logout,
- Audit counters,
- ..



Empty BACnet properties When configuring BACnet items, some property lists remained empty while network or device parent items were not previously configured. Now these lists are automatically filled with the whole set of possible properties, and filtered according to their parent network or device once configured.	Configuration Environments > Application Architect
<b>Input parameters at instantiation time</b> The need to set a value for an input parameter at instantiation time can now be defined as optional, recommended or mandatory by the template designer.	Configuration Environments > Application Architect
Modeling of SCADA Basic scripts on mimic open and mimic close It is now possible to configure the SCADA Basic scripts executed on mimic open and mimic close for mimics modeled with templates and instances.	Configuration Environments > Application Architect
Property reset by category It is now possible to reset all properties of a given category at once.	Configuration Environments > Application Architect
Column selection  The context menu to select the columns to display is now accessible from a right-click on columns headers. In addition for variables, extended attributes can now be displayed.	Configuration Environments > Application Explorer
Modification of archive database connection string (SPR #61370) In the Archives configuration, it is now possible to edit the database connection string. It requires a restart to be taken into account.	Configuration Environments > Application Explorer
<b>Number of configured elements</b> (SPR #14252) The number of configured items is now displayed at the bottom of the Application Explorer.	Configuration Environments > Application Explorer
HDS archives items sorted alphabetically (SPR #63242) All the HDS archive items - trends, log lists, archive units, trend groups, tables and databases - are now sorted alphabetically in the Application Explorer.	Configuration Environments > Application Explorer Also in: 11.2.06083
<b>SG-OPC - Support for multiple groups</b> (SPR #66202, 65877) The Smart Generator OPC is now able to import variables in different groups of an OPC Server. Until this change, all variables had to be mapped on the same group.	Configuration Environments > Smart Generators
SG-SAIA & SG-TwinCAT - File location selection upon synchronization (SPR #67028) It is now possible to select a new file location when synchronizing an SG SAIA or SG TwinCAT import.	Configuration Environments > Smart Generators Also in: 11.2.06091
New SYSTEM variables for COV subscription (SPR #66352)  Two additional SYSTEM variables are available for each BACnet network:  System.BACnet. <network>.SubscriptionCompleted  COV subscription in progress  1: COV subscription completed or no COV subscription to perform  System.BACnet.<network>.UnsubscriptionCompleted  COV unsubscription in progress  1: COV unsubscription completed or no COV unsubscription to perform  In addition, the pending subscriptions and unsubscriptions are displayed in a column of the Application Explorer.</network></network>	Data Acquisition > BACnet Client



#### Support for new objects and properties

Additional BACnet objects and properties defined in the ASHRAE 2016 standard are now supported:

Data Acquisition > BACnet Client

- Binary-Lighting-Output,
- Network-Port,
- Elevator-Group,
- Escalator,
- Lift.

#### Could not change exception-schedule with ISMA devices

Using the WebScheduler, changing exceptions on a BACnet schedule failed with devices from the manufacturer ISMA.

The displayed exceptions did not match the actual value of the exception-schedule property in the WebScheduler.

The issue related to the handling of the *ReadProperty* service when applied to properties of type *Array* in the particular case when the array is empty.

Data Acquisition > BACnet Client

Also in: 11.2.06082

#### Improved fallback for interop with iSMA devices

Changing BACnet Schedules could fail with iSMA devices. The fallback mechanism for writing variable-size arrays have been improved.

Data Acquisition > BACnet Client
Also in: 11.2.06080

61850 Client

#### Rework of the IEC 61850 mapping dialog box

The IEC 61850 mapping dialog box has been changed to improve the user experience. The list of fixes & enhancements includes:

- Improved responsiveness and display of values to avoid freezing of the mapping dialog box,
- Browsing of dataset members for DataSet and DataReport was incorrectly displayed,
- Possibility to create new variables from all Data Attributes of any Data Object,
- Support for mapping on Arrays.

## Data Acquisition > IEC

#### Watchdog polling period (SPR #65433)

The polling period of Data Report watchdog is now 10 min (was 5 sec).

Data Acquisition > IEC 61850 Client

#### Support for IzoT Net Server 4.5

Starting with version 15, the LNS data acquisition driver is validated with IzoT Net Server 4.5 (also known as OpenLNS) and supports recent operating systems: Windows 8.1, Windows 10, Windows Server 2012, Windows Server 2016 and Windows Server 2019 at the time of writing.

Data Acquisition > LNS

### **OPC-XML - Support for Http Basic Authentication** (SPR #67279, 67278,

65932)

The OPC-XML driver now supports Http Basic Authentication.

Data Acquisition > OPC Client

Also in: 12.0.19

#### Mapping of indexed array (SPR #65350)

It is now possible to link variables to indexed arrays. It can be configured in the advanced properties of the variable.

This feature is available since version 8.10 SP4, but no configuration interface was available until now.

Data Acquisition > OPC Client

#### **OPC-XML - Support for arrays** (SPR #66898)

When using OPC-XML, it was not possible to map a variable on a specific index of an array of items (string, boolean, I4, UI4...). This feature was already available with the OPC-DA client.

Data Acquisition > OPC Client

Also in: 12.0.12

#### **Support of signed float 32 bits format (SPR #68105)**

New format Signed float 32 bits (swapped word) is now available for built-in drivers.

Data Acquisition > Other built-in drivers

Also in: 12.0.17



<b>Driver XBUS-IP-MASTER - Support for host names</b> (SPR #66635, 66616) The XBUS-IP-MASTER driver now supports addressing devices by using host names instead of IP addresses.	Data Acquisition > Other built-in drivers
Such configuration can only be done by manually editing the file <i>C/Comm.dat</i> and typing the host name in the <i>IP1</i> field.	
<b>Driver XBUS-IP-MASTER - Handling of connection termination</b> (SPR #66310) In order to improve interop with some devices, it is now possible to select if a connection shall be terminated using the TCP RST_ACK or FIN_ACK flag.	Data Acquisition > Other built-in drivers Also in: 12.0.19, 11.2.06085
Allow write commands when equipment is in error (SPR #66436) Prior to this modification, write commands were not sent when the equipment was seen in error. In particular, they were not executed on valid write-only frames when another frame had a status error.  Now, writes commands are sent based on the frame status instead of the device status.	Data Acquisition > Other built-in drivers Also in: 12.0.11
Non-printable character (SPR #66914, 66913)  A new property is available for text variables mapped to the SNMP driver to discard non-printable characters that may be retrieved via the SNMP Manager acquisition driver.	Data Acquisition > SNMP Manager
Sampling period greater than the export period (SPR #67469) It is now possible to have a sampling period equal or greater than the export period. This change allows using the export feature to generate a single sampled value snapshot.	<b>Data Export</b> Also in: 12.0.16
Configuration of folders (SPR #65978, 64630) In the general settings of Data export, it is now possible to define an absolute path for both Template Export folders. In addition, a folder selector is available.	Data Export
<b>Ability to disable file opening after data export</b> (SPR #65359) From now on, when the user does not have the desktop rights, the Data Export Wizard of the Trend Viewer and the Grid Control no longer asks the user if he/she wants to open the generated file, a simple information is displayed, thus preventing the access to the file system.	<b>Data Export</b> Also in: 12.0.11
Checks before running Component Registration Tool (SPR #65708) The Component Registration Tool now checks whether an affected process is still running before proceeding. In addition, a warning message is displayed to warn the user about the potential overwrite of system configuration settings such as services accounts.	Deployment tools > Component Registration tool Also in: 12.0.23
<b>Certificates storage for IIS</b> (SPR #67780, 65939) The <i>Webhosting</i> store is now used by default by the WDC when generating or importing a certificate (instead of the <i>Personal store</i> ).	Deployment tools > Web Deployment Console
Configuring a Web Server with different private and public ports  A new advanced setting <i>UseClientHostForRedirect</i> is now available in the WDC. It enables the configuration and deployment of a Web Server that uses different IP addresses and ports on public and private networks.	Deployment tools > Web Deployment Console
Multi-binding support  A web site can now be configured with multiple bindings to support deployment scenarios requiring a web or mobile app to access the web server with a different Url/certificate depending on the network it connects from.	Deployment tools > Web Deployment Console
New setting MachineName for the GraphicalData service (SPR #65876) To better support infrastructure where the Web back end has multiple network interfaces, it is now possible to configure the <i>MachineName</i> setting, typically with the IP address of the network interface to be used by the Web back end to call back the GraphicalData service hosted in IIS.	Deployment tools > Web Deployment Console



#### New functions to get Timestamp status Development kits > SV Two new methods are available on symarVarStatus enabling to get the quality of the Manager Toolkit timestamp: IsTimeStampPLC\_OK IsTimeStampPLC\_NOK New standard action for central project management (SPR #65584) General A new standard action to open the central project management on a function key is available. The SCADA Basic function KEY has been updated accordingly with the action code 124. General Support for extended function keys The list of fixes & enhancements includes: Also in: 12.0.17 Support of F13 to F16 function keys, Back Space and Tab keys, Support of the Alt key as a modifier, Error and Log messages reworked. **Expressions - New functions for angle conversions (SPR #66296)** General New functions are now available for expressions: Also in: 11.2.06086 ToDegrees(angle): To convert an angle from radians to degrees, ToRadians(angle): To convert an angle from degrees to radians, Pi(): Returns a rounded value of the constant $\pi$ . Similar conversion functions are now also available with the SCADA Basic instruction CONVERT. User title General > User When using Active Directory integration, the user title is now retrieved from AD. management Instruction SYSTEM mode CHANGEPASSWORD - Support for Active General > User **Directory user accounts** (SPR #16223) management It is now possible to change the password of an Active Directory user with the instruction Also in: 11.2.06085 SYSTEM mode CHANGEPASSWORD. General > User Support for more user account syntaxes with Active Directory (SPR #66112, 59301) management It is now possible to log in by specifying the domain of the user with the following user Also in: 11.2.06085 name formats: Down-Level Logon Name: DomainName\UserName User Principal Name: UserName@Domain.local It enables logging in to a different Active Directory domain. General > Version **Canceling central project and library loading (SPR #68251, 68250)** It is now possible to cancel the loading of a project or library version from the Central management folder. When canceled, the local version is used. **SYSTEM variables** (SPR #65220, 61233, 60708, 16723) General > Version New system variables to monitor if a new version of the project or libraries are available. management This makes it easy to generate an alarm to the operator if a restart is required: System. Version. Reference. Project, System.Version.Reference.ProjectLastChange, System. Version. Reference. Library, System. Version. Reference. Library Last Change, System.LocalHost.Version.Reference.ProjectIsNotCurrentRef, System.LocalHost.Version.Reference.LibraryIsNotCurrentRef. More information about project and libraries versions (SPR #67349) General > Version Additional information is now stored and displayed in the version management view for management each version:

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Product version used to create the project/lib version,

Product version used at the time of the last update of the project/lib version.



New command line argument (SPR #65596)  A new command line argument is available to enable starting with a specific version of the project or libraries:  -d proj=x.y.z lib=t.u.v	General > Version management
where x.y.z (resp t.u.v) corresponds to the version of the project to start (resp version of the libraries).	
Update of the Comment property It is now possible to update the comment associated to a version of a project or libraries.	General > Version management
Database max size only set at creation time (SPR #67484) The database maximum size is now only set at the time of creation (was set at each project startup). This change also avoids a systematic error message at startup if the database user does not have the SQL dbcreator role.	Historical data
Enhancements of the replay module  The list of enhancements includes:  Automatic synchronization of historical data when opening the player,  Ability to move backward in time,  Tuning of the playback speed,  Timeline to make it easy to figure out which time slot is being replayed. The cursor allows jumping from a time slot to another one in a single click.	Historical data > VCR
<b>Default position of anchor point</b> (SPR #67711) The default position of the anchor point for symbols is now the top-left corner (0,0) (was the bottom-left corner).	НМІ
New substitution characters for timestamp formatting - 12-hour clock (SPR #67015)  New substitution characters are available in the Alarm viewer, the Log viewer and the Trend viewer for timestamp formatting based on 12-hour clock representation:  ##: Hours from 1 through 12 (as opposed to #h for 00 through 23),  ##: AM/PM designator.  In additional, only for the Alarm viewer, #H and #p support the suffix AlaOn, AlaAck and AlaOff.	<b>HMI</b> Also in: 12.0.14
<b>Open multiple mimics at once</b> (SPR #63142) It is now possible to open multiple mimics at once from the <i>File.Open</i> dialog.	НМІ
New option to close both a popup and its calling mimic (SPR #66810, 66694)  A new option enabling to close both a popup mimic and its parent is now available. It can be activated in HMI Options. Mimics. Popup. Close container mimic on link close animation using "*".  This option is useful if mimic navigation is designed to open a secondary popup mimic from a primary popup. In such a situation, if this new option is enabled, both popups will be closed at once.	<b>HMI</b> Also in: 11.2.06090
<b>Built-in filter and Sql-like syntax support</b> A new property <i>SQL filter</i> is now available for the Alarm viewer, which enables defining an advanced Sql-like filter for the displayed alarms.	HMI > Alarm viewer
Current branch displayed in the variable selector status bar (SPR #16333) When selecting a variable for an animation, the current branch is now displayed in the status bar of the variable selector.	HMI > Animations
<b>Default mode of On text animations</b> (SPR #66983) On text animations now use the <i>Variable mode</i> by default (was using <i>Value mode</i> ).	HMI > Animations Also in: 12.0.13
<b>Layer selection</b> (SPR #64844) Two new buttons <i>All</i> and <i>None</i> are now available in the advanced properties of all graphic items to select or unselect all layers at once.	HMI > Graphics



Warning displayed with multiple trends in mode raw data (SPR #68049) A warning is now displayed in the Historical mode of the Grid Control when selecting several trends if in raw data mode. This mode allows displaying data of only one variable.	HMI > Grid control
Support for ODBC archive units in Historical mode (SPR #67300) The Grid control in Historical mode can now be used with ODBC archive units.	HMI > Grid control
Positioning of markers (SPR #67820, 67757, 67756)  It is now possible to select at design time how markers of type Symbol shall be anchored on the map:  Centered, Anchor point, Top-left corner, Top-right corner, Bottom-left corner, Bottom-right corner.	HMI > Map control Also in: 12.0.16
Cut/Copy/Paste/Delete actions in the Map marker editor (SPR #61498) The Cut/Copy/Paste/Delete actions are now available in a context menu accessible on right click for markers and layers.	HMI > Map control
Ruler tool (SPR #64495) A Ruler tool is now available in the Map control to allow the user measuring the distance between two points.	HMI > Map control
Setting the maximum number of markers (SPR #64010) When configuring a dynamic layer in the Map markers editor, it now possible to set the maximum number of marker to be loaded.	HMI > Map control
Writing the same value (SPR #68416) Until this change, writing the same value to an internal variable was not triggering notifications in components such as the SV Manager Toolkit even if the global variable setting Send write request even if the value to write is the same as the current value was enabled. In such circumstances, it is now possible to send multiple times the same value and be notified accordingly, which is required by some on add-ons such as the KNX driver.  It was working properly with I/O variables.	Real time data Also in: 12.0.20
Broadcast of deadband value and type  A change of the deadband value or type properties of a register variable are now broadcasted to all stations in case of networking configuration.  Additionally, the SCADA Basic instruction VARIABLE mode SET_DEADBAND has a new argument to indicate the name of a register variable which will contain the result of the asynchronous broadcast:  O: In progress, I: Failed, S: Succeeded.	Real time data
Improved language switch for the SCADA Basic editor (SPR #68128, 68109, 63114) The SCADA Basic editor now correctly follows the currently active language of the project.	Scripting > SCADA Basic
Instruction TRACE mode FILE - Message max length (SPR #67950) The instruction TRACE mode FILE can now handle a message of up to 2047 characters (was 80).	Scripting > SCADA Basic Also in: 12.0.17
Instruction LOGDISPLAY - New mode UNSELECTALL (SPR #66358) A new mode UNSELECTALL is now available for the instruction LOGDISPLAY. It can be used to unselect all currently selected lines of a Log viewer.	Scripting > SCADA Basic



# Instruction M61850 - Custom orCat, orldent and interlock-check for SBO, SBOw DE, and DEw commands (SPR #66932)

Scripting > SCADA Basic

The SCADA Basic instruction M61850 modes SBO\_SELECT, SBOw\_SELECT, SBO\_OPERATE, SBOw\_OPERATE, SBO\_CANCEL, SBOw\_CANCEL, DE\_OPERATE and DEw\_OPERATE now support optional arguments:

- test.
- SynchroCheck,
- InterlockCheck,
- orCat
- orldent.

# Instruction SYSTEM mode USER - New sub-modes to get details (SPR #67737)

Scripting > SCADA Basic

New sub-modes have been added to the instruction SYSTEM mode USER to get additional details regarding the connected user:

- LASTNAME.
- FIRSTNAME,
- DISPLAYNAME,
- TITLE,
- EMAIL.
- PHONE.

### **Instruction TREEVIEW - New mode ADDCHILD** (SPR #67559)

Scripting > SCADA

A new mode ADDCHILD is available for the instruction TREEVIEW. It enables inserting a new child node in a tree-view control.

Basic

 $\textbf{Instruction SYSTEM mode MKDIR - Support of UNC paths} \ (\texttt{SPR} \ \#66218)$ 

The instruction SYSTEM mode MKDIR now supports UNC paths (i.e.: \\host-name\folder-name).

Scripting > SCADA Basic

#### **Instruction TREND - New mode SETCURSORMODE** (SPR #66634)

A new mode SETCURSORMODE is available for the instruction TREND. It allows changing the cursor of a Trend viewer: TREND("SETCURSORMODE", Window, Branch, Identity, Mode);

Scripting > SCADA Basic

With Mode having the following possible values:

- 0 : no cursor (default),
- 1 : line cursor,
- 2 : cross cursor mode.

#### Instruction VARIABLE - New mode SETINVALID

Scripting > SCADA

The new mode SETINVALID is available for the instruction VARIABLE. It allows setting the quality of a variable to NS.

Basic

#### SCADA Basic Editor font size (SPR #66440)

For a better display, the default font size has been increased to 10 (was 8).

Scripting > SCADA Basic

# Support for structured names when referencing graphic items (SPR #66420)

Scripting > SCADA
Basic

Instructions referencing graphic items in mimics (i.e.: TREND, LOGDISPLAY ...) now support structured names to allow the handling of items contained in symbols or groups.

For instance, to identify the item *Trend1* contained in the symbol *Symbol1*, it is possible to address it as Symbol1.Trend1.

Short names are still supported and address the first matching item in the mimic.

### Instruction CONVERT - New modes for angle conversions

2 new modes are now available for the instruction CONVERT:

- Mode RADTODEG: To convert an angle from radians to degrees,
- Mode DEGTORAD: To convert an angle from degrees to radians. Similar conversion functions are now also available in expressions.

Scripting > SCADA
Basic

Also in: 11.2.06086

Reference: PcVue 15 Release Notes

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#### New method to log messages (SPR #67826)

A new method *LogInformation* is available in VBA on the *Project* object. It can be used to send log messages to the Event Viewer.

ThisProject.LogInformation LogLevel,LogMsg

Where LogLevel can take value 1, 2 or 3, and LogMsg is the message to be logged (string)

- 1 = Information,
- 2 = Warning,
- 3 = Error.

#### Enhancements to the TouchVue mobile app

Improvements of the user interface, support for iOS and iPadOS.

This version also includes enhancements related to the handling of alarm updates and behavior when running in background.

#### Ability to limit a user to one active web session

It is now possible to limit a user to have only one active web session at a time. It is defined at the profile level.

Support for popup and included mimics (SPR #68359, 66924, 66887,

Improved support for all types of modal, popup and included mimics.

### Instruction LOGDISPLAY mode SETDATETIME - WebVue support

The instruction LOGDISPLAY mode SETDATETIME is now supported in the context of a WebVue session.

#### Instruction WINDOW mode POPUPCLOSE - WebVue support

The instruction WINDOW mode POPUPCLOSE is now supported in the context of a WebVue session.

#### Support for line breaks in texts (SPR #66080)

WebVue now correctly supports line breaks (\n) for Text elements.

#### Two-finger scrolling and zooming on touch devices

Two-finger scrolling and zooming is now correctly supported on touch devices.

#### Small font size in Send Text animation (SPR #66342, 66038)

When a Send Text animation was configured with direct input, the font size for displaying and typing the text were different.

## Support of SCADA Basic modes INSERT and REMOVE for CHECKLIST, **COMBOBOX, LISTBOX and OPTIONLIST instructions** (SPR #66028)

The SCADA Basic modes INSERT and REMOVE of the instructions CHECKLIST, COMBOBOX, LISTBOX and OPTIONLIST are now supported in WebVue.

### Show/hide columns

It is now possible to hide the columns Is Standard Week Empty and Is Exception Period Active. By doing so, the time to load the list of timetables is greatly reduced. The setting to add to the WebScheduler web.config file is the following:
<setting name="HideSpecialColumns" serializeAs="String">
<value>True</value>

</setting>

### **BACnet exception handling** (SPR #66582)

Handling of Exception Schedule has been reworked to improve interop with devices that do not clear obsolete exception entries themselves.

# Scripting > VBA

Also in: 12.0.16

### **TouchVue**

#### Web Server Extensions

# Web Server Extensions

> WebVue

#### Web Server Extensions

> WebVue

### Web Server Extensions

> WebVue

#### Web Server Extensions

> WebVue

#### Web Server Extensions

> WebVue

#### Web Server Extensions

> WebVue Also in: 12.0.11

# Web Server Extensions

> WebVue

# Also in: 12.0.11

#### WebScheduler

Also in: 12.0.16

#### WebScheduler

Also in: 12.0.11, 11.2.06089, 11.1.06123, 11.0.06101

Reference: PcVue 15 Release Notes

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## Performance

#### Data Acquisition > Improved mapping dialog When using the mapping dialog, all the properties are now read at once when changing **BACnet Client** the object selection instead of only reading visible properties. It helps having a smoother rendering when navigating among the properties. HMI > Form controls GDI object leak (SPR #67251) A memory leak occurred when opening a mimic containing Form controls (Combo-box, Also in: 12.0.15 List-box, Option-list, Tree view). One GDI object was lost for each control using a custom Real time data Time to load populations (SPR #68210) The time to load populations having a filter on only one extended attribute has been significantly improved. With a configuration containing 150.000 alarms and 700 alarm syntheses, the loading time has been decreased from 11mn to 1mn. Filtering based on populations (SPR #66703, 66695) Real time data Since version 12 Initial Release, runtime performances related to population filters were Also in: 12.0.12 degraded due to a regression. Applying a population filter could take several minutes to be fully performed. It is now almost instantaneous. Web Server Extensions **Degraded response time** (SPR #67120) Since version 12.0 Initial Release, general performances when requesting Web Services > Web Services Toolkit were degraded up to 50 folds (100 read requests within 50 seconds instead of 1 Also in: 12.0.15 seconds). This fix restores performances to a level similar to version 11.2. **Web Server Extensions** Image caching (SPR #66155) Images loaded in mimics and symbols were not cached by the web browser, thus they

were loaded every time the mimic was opened.

The setting to add to the GraphicalData web.config file is the following - Value in 

</settina>

There is no need for customization to take advantage of the default value.

> WebVue

Also in: 12.0.16

Reference: PcVue 15 Release Notes



# 6. Audit & diagnostic

LAN Audit counter - Incorrect value  The Audit counter indicating the number of pending messages in the mailbox for the LAN manager was incorrect.	<b>Audit</b> Also in: 11.2.06082
IOPCSyncIO traces incorrectly activated (SPR #66604) Some traces were always generated despites having not been activated, in particular those related to the OPC server IOPCSyncIO events.	Communication interfaces > OPC Server Also in: 11.2.06089
Frame error message (SPR #60764)  To avoid pollution of traces, frame error messages are no longer repeated at each polling period, but only on status change.	Data Acquisition > Other built-in drivers
Operating System and IIS Version (SPR #64714) Operating System and IIS version are now included in exports of diagnostics information.	Deployment tools > Web Deployment Console
Incorrect error message with -k command line argument (SPR #63669) Incorrect messages were displayed in the event viewer when the -k command line argument was misconfigured or when the remote license was not available.	General Also in: 11.2.06092



#### 7. Installation

#### Add-ons and Tools **OPC-UA Gateway version 1.5.6** Update of the installation package of the OPC-UA Gateway available in the Add-ons & Tools section of the DVD. Data Acquisition > KNX Availability of the KNX add-on (SPR #68513) The KNX add-on, available since version 11.2, was not shipped with the installation Also in: 12.0.20 package and had to be downloaded from the Technical Ressources web site. It is now part of the installation package. Historical data Support for Microsoft SQL Server 2019 Update of the readme file and the online help to reflect support for SQL Server 2019 Also in: 12.0.20 which is effective since Maintenance Release 12.0.14. Timestamping server for Authenticode signature Installation Change of the timestamping server used for Authenticode signature of installation Also in: 12.0.20, packages and binary files.

Friendly name: DigiCert

certificate:

Serial number: 0ce7e0e517d846fe8fe560fc1bf03039

The trust chain of the new timestamping server is attached to the following root

- Common name: DigiCert Assured ID Root CA
- Valid from: Friday, November 10, 2006 1:00:00 AM
- Valid to : Monday, November 10, 2031 1:00:00 AM

Make sure this certificate is in the list of trusted certificates.

Last update: November 3, 2025

11.2.06098

Reference: PcVue 15 Release Notes



# 8. Security

#### **Secret storage** (SPR #67338, 67309, 63934)

Multiple password fields for devices were displayed in plain text in the Application Explorer. They are now masked in UI and stored ciphered:

- SMS Account PIN Code,
- SNMP Manager Authentication Key (Network and Device),
- SNMP Manager Privacy Key (Network and Device),
- BACnet Device Management Password (Device).

#### Secret storage (SPR #68391)

The storage of the Authentication password for IEC 61850 devices is now protected and can include quotes.

Data Acquisition > IEC 61850 Client

Also in: 12.0.20

Configuration

**Environments** 

#### Subject Alternative Name (SAN) in certificates (SPR #68064)

It is now possible to add a Subject Alternative Name (SAN) of type dNSName to certificate requests and to self-signed certificates.

Filling the subjectAltName with the FQDN is important because the use of the Common Name for identifying a web server is deprecated and the RFC 2818 is now being enforced by some web browsers (namely Google Chrome at the time of writing).

Deployment tools > Web Deployment Console

# Access to the online help and potential security policy infringement (SPR #66776, 65910)

Under some circumstances, access to the online help was possible before completion of project startup.

It could occur in particular by pressing the F1 key from one of the message box opened to indicate that network access issues prevent access to the version management central folder. Access to the file system was therefore possible before user authentication, which could be against the security policy on some systems.

General

Also in: 12.0.13, 11.2.06091

**Several fixes & enhancements to user management** (SPR #67616, 67615, 67614, 67613, 67611, 67610, 67609, 67608, 67448, 67419, 67417, 67407, 67391, 66306, 65994, 65221)

The list of fixes & enhancements includes:

- Rework of the event logging when modifying the user accounts (creation, deletion and modification of users, profiles and associations),
- Added login reason in event logging (local or web session, signature, unlocking...),
- Added logout reason in event logging (user action, time-out...),
- Better event logging regarding account unlock actions by admins,
- Display of the user account status in the Application Explorer (no associated profile, no web access...),
- Complete deletion of User/Profile association in advanced security mode,
- It was not possible to delete users without profile or with 0-level profile in advanced security mode,
- Admin users were able to deactivate themselves,
- Under some circumstances, the password generator could propose a weak password in advanced security mode.

General > User management

#### mbedTLS library updated

The mbedTLS library has been updated to version 2.24.0.

Security

# OpenSSL library updated

Reference: PcVue 15 Release Notes

The OpenSSL library has been updated to version 1.1.1h (22-Sep-2020).

Security



#### Vulnerabilities in the Web back end modules

The following vulnerabilities are fixed. They affect the interface between the Web & Mobile back end and the web services hosted in Microsoft IIS:

- CVE-2020-26867 A Remote Code Execution vulnerability due to the unsafe deserialization of messages received on the interface - Affects all versions since 8.10.
- CVE-2020-26868 A Denial Of Service vulnerability due to the ability for a nonauthorized user to modify information used to validate messages sent by legitimate web clients - Only affects version 12.0.
- CVE-2020-26869 An information exposure vulnerability allowing a nonauthorized user to access session data of legitimate users - Only affects version 12.0.

See our <u>Security alert page</u> for more information.

Web Server Extensions

Also in: 12.0.17, 11.2.06097

#### Access to another web session (SPR #66644)

Under some circumstances, a web client was able to access the session of another web client, leading to potential information disclosure and privilege elevation. This was due to the reuse of a previously closed session Id, but with an access token not yet expired.

#### Web Server Extensions

Also in: 12.0.15

### Weak password wrongly accepted

When renewing a password with WebVue, a weak password was accepted even if the configuration imposed a strong one.

# Web Server Extensions

> WebVue

#### **Automatic logout not effective in WebVue** (SPR #66653)

The automatic logout was not completely effective in WebVue. After the inactivity timeout elapsed, it was indicated that the session ended but refreshing the page (with F5 or Refresh button) was opening it again without entering credentials.

#### **Web Server Extensions**

> WebVue Also in: 12.0.12

#### **Disable WebScheduler help** (SPR #67044)

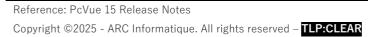
It is now possible to disable the access to the online help of the WebScheduler via a setting that can be defined at the time of deployment with the WDC.

#### WebScheduler



# 9. Other fixes & enhancements

•	SPR #62922, 65363, 65368, 65595, 65651, 65884, 65897, 65912, 65991, 66030, 66136, 66137, 66144, 66164, 66165, 66248, 66280, 66292, 66299, 66331, 66450, 66693, 66740, 66750, 66786, 66795, 66798, 66805, 66890, 66934, 66938, 66976, 67047, 67087, 67088, 67226, 67298, 67345, 67373, 67415, 67501, 67631, 67663, 67721, 67891, 67923, 68029, 68037, 68040, 68060, 68120, 68136, 68144, 68148, 68149	
•	SPR #66177, 66223	Also in: 15.2.0, 11.2.06089
•	SPR #66177, 66223, 69424	Also in: 12.0.23, 11.2.06088
•	SPR #68498	Also in: 12.0.20
•	SPR #68268	Also in: 12.0.20, 11.2.06097
•	SPR #65348, 68261	Also in: 12.0.19
•	SPR #67223, 67986	Also in: 12.0.17
•	SPR #67486	Also in: 12.0.16
•	SPR #66811, 66857	Also in: 12.0.12
•	SPR #66192	Also in: 12.0.11
•	SPR #66009, 66150	Also in: 12.0.10
•	SPR #66219, 66269	Also in: 12.0.9
•	SPR #67466	Also in: 11.2.06093
•	SPR #66370, 66465	Also in: 11.2.06088
•	SPR #65935, 66079	Also in: 11.2.06086
•	SPR #66309	Also in: 11.2.06085, 11.1.06122, 11.0.06098
•	SPR #65700	Also in: 11.2.06081, 11.1.06118





# 16. Known Issues

# [Fixed] Alarm synthesis timestamp changed on server switchover (SPR #71548)

On a server switch from passive to active, an alarm synthesis is recalculated, including its value and timestamp. If the alarm synthesis has not changed, the value is not set. But, since a regression introduced in Maintenance Release 12.0.20 the timestamp is updated, causing event triggering if any. [Edit: Fixed in 15.2.4 and 12.0.28].

# **Alarms** 15.2.0

12.0.20

Also in: 15.1.0, 15.0.0,

# Audit counter mean values are inaccurate (SPR #65251)

Calculation of mean values is wrong for audit counters (error every 27 hours).

## Audit

15.2.0

Also in: 15.1.0, 15.0.0,

12.0.7

#### Lost instances (SPR #67013)

Under some circumstances, all instances are lost. Investigations indicate that this may be caused by the deletion of the root node.

While the investigations continue to uncover and fix the source of the issue, changes have been made to mitigate and prevent the root node deletion.

Specific diagnostic traces have been added to indicate that an attempt to delete the root node occurs. In addition, a specific backup (in addition to the rolling backup files) is now performed to ensure that instances configuration will not be lost.

These changes are in effect starting with the Maintenance Release 12.0.13. If you run an earlier release of version 12 and notice that the instances root node is not displayed in the Instances tab of the Application Architect, you have probably run into the issue and the instances are lost. In such situation, stop PcVue and recover a valid instances configuration from the rolling backup files located the C\Templates\Back folder. Do not restart PcVue multiple times before you recover your configuration as it exposes you to losing the useful rolling backup.

# Configuration Environments > Application Architect

15.2.0

Also in: 15.1.0, 15.0.0,

12.0.13

# *Upgrade* **Potential behavior change for alarm syntheses** (SPR #67799, 66701, 60594)

Starting with version 11.2 Release, by default, new alarm synthesis items created with the Application Explorer or the XML Generic Import do not take the population filter into account.

This change was not introduced for alarm syntheses created with the Application Architect, leading to the following potential issues if your project includes populations and alarm syntheses created based on templates and instances with the Application

- If you have migrated or are migrating a project from version 11.1 or earlier to version 11.2 or later, you should check with the Application Explorer that alarm syntheses are configured to fit your requirements (take into account or ignore population). If configuration does not fit, reverse the value of the 'Take population filter into account' using the Application Architect and proceed with a full synchronization.
- Do the same verification and configuration changes if your project was once migrated to 11.2 (earlier than 11.2.06094), and is now being migrated to 11.2.06094 or later.
- Do the same verification and configuration changes if your project was once migrated to 12 (earlier than 12.0.16), and is now being migrated to 12.0.16 or later.
- In all cases, pay particular attention to alarm syntheses created with version 11.2 and 12, as it is likely that the population filter property is not applied as it used to be with earlier versions.

You are not impacted by this issue if you do not use population filtering in your project, or if alarm syntheses are not created based on application modeling with the Application Architect.

## Configuration Environments > Application Architect 15.2.0

Also in: 15.1.0, 15.0.0, 12.0.16, 11.2.06094

#### Supported operating systems for the KNX Add-on

The KNX add-on is only supported on the following operating systems, with the exclusion of any virtual environment:

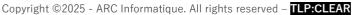
- Windows 7 SP1 (x64),
- Windows Server 2008 R2 SP1 (x64).

Data Acquisition > KNX

15.2.0

Also in: 15.1.0, 15.0.0, 12.0.7, 11.2.05001

Last update: November 3, 2025





#### [Fixed] Unexpected value sent to PLC (SPR #71855)

Under some circumstances, commands on bit and register variables do not send the good value. The issue only affects data acquisition drivers configured behind the Equipment node of the Application Explorer (Modbus, S7...). Drivers such as BACnet, OPC, IEC ... are not affected.

The issue only occurs in a very specific and unlikely condition. A series of particular values must be present in adjacent addresses in the memory area where the frame is stored. But it brings a significant risk on the physical process if the PLC does not check the received values (consistency and range) before controlling a process' actuator. The issue is a regression introduced in 15.2.0, it affects all releases from 15.2.0 to 15.2.3 (included).

[Edit: Fixed in 15.2.4 - We strongly recommend users to update].

# HMI > Grid control

Data Acquisition >

Other built-in drivers

15.2.0

1523

Also in: 15.1.0, 15.0.0,

12.0.7

### **SQL filtering on HMI variables** (SPR #65903) When using the Grid control in variable tracking mode, the Sql syntax cannot be used to

filter HMI variables.

### *Upgrade* [Fixed] Installation failure on Windows 7 SP1 and Windows **Server 2008 R2** (SPR #70329, 70199)

The Feature release 15.2 cannot be installed successfully on Windows 7 SP1 and Windows Server 2008 R2.

The issue affects the 15.2.0 and 15.2.1.

[Edit: Fixed in 15.2.2]

## Installation

15.2.0

# Client/Server networking instability if recent hardening is enabled (SPR

If the security fix described in security bulletin SB2025-4 is enabled, networking packets can be falsely detected as malformed, causing a server station to force a disconnection. This issue leads to a situation where a client station may not be able to stay connected to a server station in a stable way.

Recommendation:

The issue does not manifest itself if the recent hardened connection mechanism is disabled. To disable this mechanism, the security alteration setting named 'Networking.Allow security altering configuration options' must be checked and the property 'Allow stations with altered security' on Nodes must be set to Yes. Fix planned in 16.3.3, 15.2.13 and 12.0.32.

### Networking

15.2.12

Also in: 16.3.2, 16.3.1,

12.0.31

### [Fixed] Instruction SEQ\_BUFFER mode REPLACEFIELD - Cannot replace more than 12 characters (SPR #72480)

In Maintenance Release 15.2.4, only the first 12 characters are considered when using the instruction SEQ\_BUFFER mode REPLACEFIELD. [Edit: Fixed in 15.2.5]

### Scripting > SCADA Basic

15.2.4

#### BeforeClose script not triggered (SPR #68418)

Since version 12.0.7, the SCADA Basic function called upon closing a mimic was not correctly triggered when the mimic was closed via SCADA Basic. [Edit: Fixed in 12.0.20 and 15.0.0 for PcVue desktop]

A fix for WebVue is planned for a later release.

#### Scripting > SCADA

Basic

15.2.0

Also in: 15.1.0, 15.0.0,

12.0.20

#### **Issue with host name resolution on Android (SPR #65724)**

Android versions earlier than 5.1 are known to be affected by a bug related to host name resolution.

When using DHCP, the issue prevents from using a host name other than a Fully Qualified Domain Name even if the host name is properly registered in a local DNS and the DNS server automatically updates itself to reflect DHCP leases. The issue is that Android devices do not use the DNS search path provided by DHCP.

Please refer to the Google Issue Tracker for more information:

https://issuetracker.google.com/issues/36916949

# Web Server Extensions

15.2.0

Also in: 15.1.0, 15.0.0,

12.0.7

### **Drag handling with Firefox** (SPR #70455)

Reference: PcVue 15 Release Notes

If a position animation with Cursor mode enabled is used on an image, the user needs to click twice in Firefox to perform the action.

### Web Server Extensions > WebVue

15.2.0

Also in: 15.1.0, 15.0.0,

Last update: November 3, 2025

12.0.7





# Known limitation related to hiding control zone highlighting (SPR #69621, 69606, 68375)

At the time of writing, hiding the control zone highlighting (according to the HMI option) is only implemented for rectangle shapes.

# Web Server Extensions > WebVue

15.2.0

Also in: 15.1.0, 15.0.0,

12.0.7

# Known limitation related to the animation Send register in Step mode (SPR #66012)

The '+' and '-' buttons are not rendered in WebVue when using the *Send register* animation with the *Step mode* enabled.

# Web Server Extensions > WebVue

15.2.0

Also in: 15.1.0, 15.0.0, 12.0.7

#### Restrictions related to web browsers

Each web browser can come with its own restrictions, in particular when security is at stake. Below is a list of known behaviors, specific to one or the other web browser available on the market at the time of writing. These restrictions may be cleared and others appear depending on web browser updates and their publisher's strategy.

- Safari on iOS When the Safari web browser is closed without logging out from WebVue, WebVue is re-open by default the next time the user opens Safari, but the user will not be able to successfully login, and will be stuck on the WebVue loading page. This is due to the Safari snapshot of the last visited page where Safari displays the web page without actually requesting the web server. The solution is to go to the address bar and click the Go button, or ask Safari to reload the page.
- Google Chrome The password manager of Chrome does not store credentials
  if the connection to the web server is insecure. As a consequence, if you do not
  have a proper certificate on the web server, users will not be able to use the
  Chrome password manager to store their credentials.
- Microsoft Edge Edge in versions prior to 79 (Jan 2020) does not store the session cookie when using the local computer as a web server with a binding on the hostname at the IIS level. As a consequence, you cannot successfully log in, and can see a warning message indicating that the version of the client is not compatible with the server. The solution is to add .local to the computer host name when setting up the web site binding with the Web Deployment Console (for example, https://mycomputername.local instead of https://mycomputername).

# Web Server Extensions > WebVue

15.2.0

Also in: 15.1.0, 15.0.0,

12.0.7

#### SCADA Basic scripting of form controls (SPR #65938)

When scripting form controls in SCADA Basic in a WebVue context, the GET modes such as GETSELECTEDINDEX, GETTEXT... do not return the correct value if the currently selected item was selected either via the keyboard or another script (with a mode such as SETSELECTEDINDEX).

These GET modes work properly if the selection was done via mouse-click or a tap (on a touch device).

# Web Server Extensions > WebVue

15.2.0

Also in: 15.1.0, 15.0.0,

12.0.7

# Support for WebFont requires manual installation on Windows 7 SP1 (IIS 7.5) (SPR #65847)

If the Web Server runs IIS 7.5 - a Windows 7 desktop or Windows 2008 R2 server computer - the default font (Times New Roman) is used instead of the Roboto Web Font for texts inside pre-defined WebVue pages and mimic tittles. Texts used in animations within mimics and symbols are not affected.

This issue is due to the lack of pre-configured support for WebFont in IIS 7.5. The solution is to install the MIME type handler for .woff files manually using the IIS manager.

This issue may be fixed in a later version of the Web Deployment Console.

# Web Server Extensions > WebVue

15.2.0

Also in: 15.1.0, 15.0.0,

12.0.7

#### *Upgrade* WebScheduler migration issue

In order to fit with Microsoft Windows default privileges for the IIS\_IUSRS group, the configuration files of the ScheduleData service are now stored in the folder ScheduleData\AppData on the IIS Web server.

These files, namely ScheduleDataAccess.xml and SchedulesAccess.dat, used to be stored in the folder ScheduleData\config.

Upon migrating a project to PcVue 12.0, it is advised to move the files manually to avoid losing customization of any piece of configuration. The manual copy shall take place after installation and deployment of the WebScheduler (using the WDC).

### WebScheduler

15.2.0

Also in: 15.1.0, 15.0.0,

12.0.7

Reference: PcVue 15 Release Notes Last update: November 3, 2025



Upgrade [Fixed] Polling groups lost When upgrading a project from version 12 to version 15, the SNMP polling groups are lost due to an issue in configuration saving with version 12. [Edit: Fixed in 15.1.0 and 15.0.3]	Data Acquisition > SNMP Manager 15.0.0
[Fixed] Data overwritten  Since Release 15.0.0, when using the mode Append after last row for an Excel file, newly exported data can overwrite data exported during an earlier export.  The issue is due to an incorrect calculation of the last non-empty cell in the Excel file.  [Edit: Fixed in 15.1.1 and 15.2.0]	<b>Data Export</b> 15.0.0 Also in: 15.1.0
[Fixed] Trend export fails with current period Since version 15.0.0, trend export fails if set to export for the current period. [Edit: Fixed in version 15.0.1 and 15.1.0]	Data Export 15.0.0
[Fixed] Cannot delete HDS database Since v15.0.0, following an enhancement to better manage default items in the HDS archiving configuration (default DB, default table), it is no longer possible to delete the last configured database.  [Edit: Fixed in version 15.0.1]	General 15.0.0
Upgrade [Fixed] Can no longer create a version  Since version 15.0.0 and the introduction of the 3-digits scheme for project and lib versioning, it is no longer possible to create a version having a Major or Minor number greater than 100.  It is still possible to update and load versions, but creating a new version on top of an existing one leads to a fatal error when exceeding this limit.  [Edit: Fixed in 15.0.3, 15.1.1 and 15.2.0]	General > Version management 15.0.0 Also in: 15.1.0
[Fixed] Missing component registration  Since Release 15.0.0, the component registration is not executed automatically after installing a patch. On computers with other versions of PcVue or other products installed (such as FrontVue), fatal errors and other unexpected behaviors can occur due to the fact that the proper version of a component may not be registered within the operating system.  The issue affects all Maintenance Releases of 15.0 and 15.1 up to 15.1.4 if it is installed via a cumulative patch. In such a case, a workaround is to run the Component Registration Tool manually after installation. If you have used an installation other than a patch, the component registration is done automatically.  [Edit: Fixed in 15.1.4 and 15.2.0]	Installation 15.0.0 Also in: 15.1.0
[Fixed] WebScheduler not accessible (SPR #69036) Since version 15.0.0, it is no longer possible to use the WebScheduler without having a Web Service Toolkit option on the license. This regression is due to a tightened control of the web accesses in version 15.0.0. The issue also affects access from 3rd party software taking advantage of the Web Services Toolkit such as Dream Report. [Edit: Fixed in 15.0.3 and 15.1.0]	WebScheduler 15.0.0

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# PCVUE 15 RELEASE NOTES

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