Pulse
SCADA/HMI

Version 4.11
Release Notes

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Introduction

AFCON Software and Electronics announces the release of Pulse SCADA/HMI Version 4.11. Pulse is AFCON's latest software application, incorporating .NET Application Framework technology with client-server architecture to optimize the development of industrial, building, and security SCADA/HMI applications.

These release notes are updated during every version release, and include information about the following:

❑ Solved Issues

❑ Known Issues

❑ Application Notes

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Pulse 4.11 Solved Issues

The following are *Solved Issues* for Pulse 4.11. The *Work Item* number is provided for each issue to be used as reference and a short description of the problem is also included.

All Work Item issues mentioned in this chapter were already fixed.

Schedule Manager

WIT 6988

The **Start/Stop** dialog box title was incorrect when Hebrew localization was set as the application language.

The **Start/Stop** dialog box title now retains its name when Hebrew localization is set as the application language.

WIT 6742

The description of the Operator workstation variables created after executing the **ReadRCP** activity was added to the existing description of the **ReadRCP** activity in the Pulse 4.11 User Guide and online Help.

WIT 6657

Previously, the Schedule Manager did not display seconds for a scheduled task.

The Schedule Manager shows seconds for a scheduled task now.

WIT 6945

When a day is a Special Day in the Week/Month views, it was not displayed by the Schedule Manager

The Day is now displayed in Schedule Manager the Schedule Manager when a day is a Special Day in the Week/Month views.

WIT 6946

Previously, Daily/Weekly/Monthly/Yearly tasks that were deleted and are not related to Special Days are displayed as regular tasks instead of as deleted tasks.

Now, Daily/Weekly/Monthly/Yearly tasks not related to Special Days are shown as deleted tasks when they are deleted.

WIT 7027

When the **No end date** option is selected for the **Range of recurrence** settings in the **Start/Stop Recurrence** dialog box, tasks (Daily/Weekly/Monthly/Yearly tasks) not related to Special Days are displayed as regular tasks instead of as deleted task.

Tasks under Special Days are displayed according to their task status now.

WIT 6947

When dragging and dropping a recurring task in the Schedule Manager, the **Open Recurring Item** dialog box was not displayed.

The issue was fixed. The **Open Recurring Item** dialog box is now displayed when dragging and dropping a recurring task in the Schedule Manager.

WIT 6948

When the **Start Time** and **End Time** parameters of a Task is changed in the Schedule Manager's **Start/Stop** dialog box, the new Start/Stop time in the Schedule Manager calendar was not updated.

The issue was fixed. The Start/Stop time set in the **Start/Stop** dialog box coincides with the Schedule Manager's calendar time.

WIT 6951

In the Schedule Manager's **Start/Stop** dialog box, the record/line reference number was displayed next to the **Start/Stop** title.

The issue was fixed. The record/line reference number does not appear in the **Start/Stop** title anymore.

WIT 6952

Clicking the **Apply** button in **Special Days** dialog box closed the dialog box.

The issue was fixed. Changes made were applied and the **Special Days** dialog box was not closed when the **Apply** button was clicked.

WIT 6302

Sunday already appears as the first day of the week in WorkWeek view when the language selected for the Regional Settings is Hebrew.

Services\Scheduler

WIT 7722

The Scheduler service does not work on the specified time on the active Redundancy server.

The issue was fixed. The Scheduler service is now functioning properly.

Operator

WIT 6566

The input field size for the On/Off and max text buttons in Hebrew were small and text were not so visible.

The input field size for the On/Off and max text buttons in Hebrew were increased and text are clearly visible.

WIT 6905

At runtime, Displays without default resource files works according to the defined security settings now.

Backup and Restore Wizard

WIT 6571

Previously, the Pulse Backup and Restore Wizard failed to restore some Database tables.

Now, all Database tables are restored by the Pulse Backup and Restore Wizard during the restoration process.

WIT 6964

It was observed in a project that duplicated records of alarm conditions for blocks were found in several Database tables after a Pulse project was backed-up and restored.

The issue was fixed. Presently, project records are not duplicated when backing up and restoring projects.

WIT 7786

When restoring a project with the Pulse Backup and Restore's **Add backed up database content to the selected database** option, alarm conditions of the deleted block are restored properly and not duplicated.

WIT 7792

The Pulse Backup and Restore's **Add backed up database content to the selected database** option includes the new database's user table into the selected database.

Toolbars and Context Menus

WIT 6717

Other Accelerator Keys for other buttons of the same toolbar stopped working after the Accelerator Key for one of the Toolbar Editor buttons was updated.

Currently, after an Accelerator Key from one of the Toolbar Editor buttons is updated, the Accelerator Keys on other buttons from the same toolbar works as usual.

WIT 6723

Before, the existing Accelerator Key setting is cleared when editing the Accelerator Key in the Toolbar Editor buttons.

Presently, the current setting for the **Key** field is kept when clicking the **...** (three dots) to access the **Select Accelerator Key** dialog box. The key is kept until it is changed.

WIT 6725

The **Pulse Toolbar Settings** dialog box's images on its **Image** column were not clearly visible since the cells were too small.

Currently, the images on the **Pulse Toolbar Settings** dialog box's **Image** column are clearly visible for viewing.

Resources

WIT 6755

The Microsoft Excel text in Hebrew cannot be edited after a CSV file was generated by exporting a resource.

Currently, when the CSV file that was generated by the resource's export operation is opened, the Hebrew text in Microsoft Excel is now displayed correctly and can be edited.

Data Logger Publisher

WIT 6833

The Data Logger stopped logging Report group values at midnight when the group's Trigger Mode was **BySchedule** and the **Starts on Pulse Startup** option is selected on the **Report Logger Group** dialog box's **Triggers** tab.

Data Logger continues logging a Report group's values at midnight when the group's Trigger Mode is **BySchedule** and the **Starts on Pulse Startup** option is selected on the **Report Logger Group** dialog box's **Triggers** tab.

WIT 8069

Historical data mechanism was enhanced, more than 10,000 records per day can now be added to the logger values table. Data is now transferred by the hour instead of transferring data per day.

Instruments\Table

WIT 6954

When selecting a row or column on the table from the **Cells** tab in the **Pulse Table Settings** window, the cell's properties reset.

Currently, cell properties are preserved when clicking on a table's row or column on the **Cells** tab in the **Pulse Table Settings** window.

WIT 7017

The Pulse Table instrument's Color Animation's blink frequency was erratic.

The Table Instrument's blink animation refresh interval for a colored cell functions regularly now.

Instruments\Trend Graph

WIT 7658

The CPU usage does not spike up when a crosshair is used and multiple trends are simultaneously open in the display.

Runtime\Database Server

WIT 6758

The Alarm Explorer's current view did not show the correct timestamp for alarm notifications when the computer clock's Time Zone was set to UTC -3:00 (when the UTC had '(**-**)*xx:xx*' time).

WIT 7030

When projects were migrated from P-CIM to Pulse, the database activation process does not stop. Projects that were migrated contained blocks with PFWALARMNG item/alarm counters as their address.

Redundancy was affected. The **|!$IsPassiveRunning** value remained '1' after the passive server shutdown.

The issue was fixed. Redundancy is working and the database can be accessed normally.

WIT 8079

Pulse event did not log recorded alarm suspension errors for block names with more than 27 characters. Now, alarms of block names with more than 27 characters can now be suspended.

Runtime\OPC Server

WIT 6815

The OPC Gateway performance did not perform well for large scales.

The OPC Gateway performance has improved. The OPC Gateway can now respond faster and perform in large scales.

To improve performance, use the new switch below:

OPCG_WaitAfterDbLoadSec (1 sec default up to 60)

PfwOPCGateway.ini [PCIMCONF]

Wait after blocks are reloaded.

Runtime\OPC Gateway

WIT 6870

In the OPC server, advised block items were duplicated in the Matricon OPC browser.

Block items advised more than once in a project are not duplicated in the **Available Tags** drop-down list of the OPC browser anymore.

Server\Kernel

WIT 6913

The Pulse Kernel failed after the project used multiple TXTSRV links with incorrect syntaxes in the basic script, blocks and direct. The basic used to display tens of scripts in minutes.

Project Migration Wizard

WIT 7672

After a project was migrated via the Project Migration Wizard, it was observed that the Fill Color animation had a few missing items.

The issue was fixed. The Fill Color animation items are migrated during the Project Migration process.

Deployment\ClickOnce

WIT 7006

The Pulse Client can now connect to the Pulse Web Server when proxy authentication is required.

Client\Login

WIT 8152

The password is now authenticated by the Pulse Client after the user enters the password via a virtual keyboard or a specific laptop, in the **Login** dialog box.

Client

WIT 7061

It is now possible to keep the UAC enabled when a user with administrative privileges starts a Pulse Developer or Operator workstation client for the first time.

Supreme Report

WIT 6350

Configure IIS is now supported by the Pulse Supreme Report Studio. All web sites dependent on the ASP.Net 4.0. framework such as the Pulse web portal and PulseHelp are stable when the **Configure IIS** feature is used.

Pulse 4.11 Known Issues

The following are *Known Issues* for Pulse 4.11. The *Work Item* number is provided for each issue to be used as reference. A short description of the problem and a workaround are also included.

Schedule Manager

WIT 6953

The Scheduler Service does not synchronize with the system time when the computer clock changes (daylight savings time/standard time). The Event Logger Viewer log is incorrect.

When a task is scheduled for 03:00:00 am, and the clock move forward from 01:59:59 am (02:00:00 am) to 03:00:00 am; the scheduled task is not triggered.

Workaround

Set a scheduled task to at least 1-5 seconds after the clock is changed.

For example:

If a task is set to 02:00:05 am and the clock reverts from 02:59:59 am (03:00:00 am) to 02:00:00 am; the scheduled task will be triggered correctly.

Vice versa, if a task is set to 03:00:05 am and the clock move forward from 01:59:59 am (02:00:00 am) to 03:00:00 am; the scheduled task will be triggered correctly.

Instruments\Trend Graph

WIT 8073

In Windows 10 with Slovenian Regional settings, the Historical Trend Graph Date and Time stamp tend to overflow to the next line.

Workaround

Delete spaces between the dots separating the date to avoid the time stamp text to overflow to the next line.

Supreme Reports

WIT 5580

Supreme Report objects with batch based time period return incorrect data. The batches are supposedly completed with correct batch end timestamp. The Supreme Report objects with batch based time period return erroneous data in the following modes:

❑ Last 1 batch - data returned for the penultimate batch

❑ Current 1 batch - the last batch record does not appear in the Item Table.

The erroneous data can be compared and observed when running an SQL query to create views, then opening the Supreme Report RMC tool or web portal, generating the report and observing the result in 2 item tables and single data objects related to each mode.

Pulse 4.11 Application Notes

The following are *Application Notes* for Pulse 4.11. The *Work Item* number is provided for each issue to be used as reference. A short description for each application note is also included.

Toolbars and Context Menus

WIT 6724

The **Move Up** and **Move Down** buttons were removed from the **Buttons** tab in the **Pulse Toolbar Setting** dialog box for Pulse 4.11.

The buttons were replaced by the drag and drop function for the sub-tree hierarchy options.

Supreme Reports

WIT 6960

The Runtime Manager Service is not deleted from the system after Supreme Report is uninstalled.

When Pulse is uninstalled or modified and the Supreme Report option is unchecked or when Supreme Report is uninstalled manually; Supreme Report is reinstalled into another location on the same computer (i.e., if Pulse was installed in Drive C and the current installation is in Drive D), then the Runtime Manager service is unable to start and an error message is displayed, which says: "The system cannot find the specified file".

Workaround

Provide the correct **rtm.exe** file path in the **ImagePath** parameter for the Registry key:

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\RTM Reporting System RTuntime Manager