Version 16.0 Release Notes

New Features

Subscription Licensing

XLReporter can now be licensed as a subscription as an alternative to a perpetual license.

Online Registration

XLReporter product registration can now be done through an online licensing portal. This can be done directly on the machine where XLReporter is installed or can be done from a separate machine with internet access.

The online licensing portal also allows for seamless license transfer as well.

REST API

A REST API is provided to get a list of available templates in the project and to generate reports from those templates in different formats. These formats include Excel workbook, PDF file, JSON, Bitmap, Text/CSV, and XML.

This can be used to not only generate complete reports but can also be used to deliver information from reports to other sources by using the JSON, Text/CSV, and/or XML option.

The Rest API requires the distributed edition to be installed and must have at least 1 client license available.

Schedule Events

An event condition option is available in the schedule to monitor the folder(s) configured in a **Text File Discrete** or **Text File Discrete (time series)** connector. When a file is created or modified in that folder, the action(s) configured for the condition is executed.

Data Management

New functions to **Data Management**:

- **Range to JSON**

  This function exports data from the report into JSON object(s) and saves to a file that can then be imported into data analysis packages like Microsoft Power BI.

- **Range to Bitmap**

  This function exports a range of cells from the report to a bitmap file. This range can contain text, data, formatting, formulas, charts, and any other object that can be put into a worksheet. This file can then be imported into a dashboard or other application that can display images.

- **Chart to Bitmap**

  This function is similar to **Range to Bitmap** except that it exports a specific chart object from the worksheet to the bitmap file.

- **From Image File**

  This function imports an image file into a report worksheet.

System Check

An option is available in System Check that displays all the currently logged in clients of a Distributed system. In addition, users can be logged out from this display.

Template Library

History Templates

Templates set up for historical connectors support the new **Text File Discrete (time series)** connector. See below for information about this connector.

Push Report Templates

A set of push report templates are provided in the library. These templates are designed to run On Demand without the user having to specify any parameters at all.

These templates can be used to push a report as part of a WIN-911 alarm notification.

New Connectors

Rockwell Automation

FactoryTalk Optix Real-time values (OPC UA)

This connector is provided to retrieve live data from FactoryTalk Optix via the OPC UA server.

Database (time series) Historical values (narrow time array)

This connector is designed to retrieve historical data where each row of data represents a unit of time and each column represents a smaller unit of time for a specific tag. For example, each row may represent an hour and each column a value for each minute of that hour.

Text File Discrete (time series)

This connector is designed to work with discrete text files (e.g., text files generated at the end of a cycle or batch) that contain a timestamp for every record. Using this connector, summary calculations can be derived over the duration of the file, e.g., 5 minute averages between the start and end of the file.

Improvements and Issues Fixed

PDF Report Viewer

- No longer requires Adobe Reader installation.

Web Report Viewer

- Uses the new Microsoft Edge Web Browser control that can display more modern web pages.

Documentation Library

- Selected document appears in same application, no longer launches web browser or Adobe Reader (or whatever the default PDF application is on the system).

Data Management

- For Data Export **Range to Text** and **Range to XML** functions, if no file name is specified the default name is the name of the report (or template if run on demand).

Data Connectors

Rockwell Automation FactoryTalk View Data Agent Historical Data

- Corrected issue where if a template contains two connections to two different FactoryTalk View Data Agent history data connectors, only the first connection returns data.

Rockwell Automation FactoryTalk View Data Agent Data File(s)

- When requesting raw values from this connector, the first 2 values returned were duplicate values with the same timestamp down to the second. This has been corrected to only return one of the two values.

Inductive Automation Ignition Real-time values

- Updated connector to automatically append */discovery* to the discovery server URL in order to properly connect to the Ignition OPC UA server.

Database (time series) Historical values (narrow)

- Support for tags in a separate table.

Item Catalogs

- Corrected issue where the tag browser for catalogs could not handle more than 32,000 items.

Report Workbook Viewer

- Corrected issue where on some systems, when trying to save a workbook to the local system an error would show as "Access to the path 'C:\Windows\System32\Book 1' is denied".

Design Studio

Report Names

- Updated to prevent using semicolon, single quote, or period in the **Target Workbook** or **Worksheet** names.

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