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Oil and Gas
SCADAvantage™
Product Update version 5.6.3

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SCADAvantage 5.6.3

SCADAvantage 5.6.3 is now released for sale. SCADAvantage is the Oil and Gas Business Unit Upstream and Midstream SCADA software package to enable safe control and optimized operations for Onshore and Offshore Upstream assets, Gathering networks, Transmission Pipelines, Product Distribution Pipelines and Local Gas Distribution networks.

Products Concerned

SCADAvantage^{TM} HMI 5.6.3
SCADAvantage^{TM} Host 5.6.3
SCADAvantage^{TM} Enterprise 5.6.3
SCADAvantage^{TM} Cloud (Software as a Service)

Release Description

SCADAvantage^{TM} 5.6.3 contains the following new features, updates and supported technology.

With this version, we are proud to announce multiple new features to all the SCADAvantage related products which will allow your clients to upgrade and/or enhance their system to maximize its performance.

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New Functionality

The following is the new functionality added in this release:

1. Microsoft Event Log supports SCADAvantage Event Log

    The SCADAvantage Windows Event Log is accessible through the Microsoft Windows Event Viewer application. The SCADAvantage is located under the Applications and Service Logs node in the tree.

2. Gas Quality Send Out Supports the usage of Alternate Name

    The Gas Quality Send Out application supports the usage of the Alternate Name field with the input file.

3. Gas Quality Send Out Supports Analysis Download from Virtual Gas Chromatograph

    Manual and Scheduled downloading of Gas Analysis to multiple Electronic Flow Measurement Meters from a virtual gas chromatograph.

4. OPC UA Client Protocol

    OPC UA client protocol supporting the reading and writing of data, and reading of events and history from an OPC UA server.

5. String Point Type

    Support for String Point Types used for presentation and storage of text information retrieved from a field device. The text information is often a description of the current status of an application, or the description of an event triggered by a state change. The String Point object is modeled after Analog and Digital Points and supports input configuration, text information historical logs, alarm triggering, and callout notifications.

6. Metering PGas Exporter

    The Metering PGas Exporter support exporting Electronic Flow Measurement Data (EFM) records based on the SCADAVantage Server local time and allows for variables to define the output filename.

7. Rod Pump Controller Keywords

    The Rod Pump Controller object has been extended to support Keywords to define some characteristics of the specific Rod Pump Controller. Those keywords will be usable to query Rod Pump Controller based on defined characteristics.

Supported Technology

The following technologies are supported in this version of SCADAvantage:

- Microsoft Windows 10 LTSB (Version 1607) for operations clients
- Microsoft Windows 10 Semi Annual (Version 1607, 1703, 1709 and 1803) for engineering clients
- Microsoft Windows Server 2016 and 2012 R2
- Microsoft Visual Studio 2017 with Update 4
- Microsoft Visual Studio 2015 with Update 3
- Microsoft SQL Server 2016 and 2014 SP2 Standard Edition - 64-bit only
- Microsoft Office 2016 - 32-bit and 64-bit
- Microsoft Internet Explorer 11
- Microsoft .NET Framework 4.6.2
- ABB Licensing 6.0.0

Version Notes

1. Visual Basic HMIs are not supported in version 5.6. Visual Basic was replaced with Visual Studio .Net. HMI migration must be done before upgrading to version 5.6.

2. Multiple HMI's sharing login credentials is not supported in version 5.6 due to Cybersecurity hardening.

3. Multiple HMI's using variables to share information is not support in version 5.6 due to Cybersecurity hardening.

4. The I/O List Export feature has been removed from this version. The I/O List Export add-in is a customer specific solution. It requires a specific set of BOT variables, components and templates which are not shipped with the product. The source code is provided under %svhome%\Media \SampleCode\SVIOList for those customers who wish to continue using this functionality and/or improve/customize the original implementation.

5. Support for storing reports to a SQL-Server database and corresponding CBReportStorageList HMI component will be removed in version 6.0.

6. Support for the SCADAvision DSN will be removed in a future release.

7. Support for BOT Expressions use Perl syntax for defining an expression will be replaced by a new Regular Expression syntax in a future release.

8. Support for Production Data Historian (PDH) Gas Measurement and Dynocard storage in SQL-Server will be discontinued in future releases. It's recommended to begin and complete migration from SQL-Server to the integrated metering system in the real-time database using this version.

9. Support for Production Data Historian Web Access will be discontinued in future releases. After migrating from PDH to the integrated metering system in the real-time database, the corresponding Metering Web Access can be used.

10. Launching the SCADAvantage Explorer add-ins via HMI command button actions will no longer be supported from this version.

Reference Documents

SCADAvantage 5.6.3 Release Notes – 3CCA2018-003295

How to Order

Contact Product Management or Technical Sales Support at SCADAvantage.info@abb.com or your local ABB representative for ordering and technical sales support

Contact us

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