



ALL DEVICES AUTO PB Number of Fermenter Tanks 7 Cellar Temp Difference Alarm 0.0 (°F)

MASH / LAUTER TUN		KETTLE / WHIRLPOOL		LIQUOR SYSTEM	
Recirc P109	0.0 (GPM)	Considered Boiling	210.3 (°F)	Water Chase Flow	50.0 (GPM)
Recirc Alarm	50.0 (min)	Boil Too Long	120.0 (min)	Water Chase Temp	35.0 (°F)
Rinse Time	900.0 (s)	Boil Pause Too Long	30.0 (min)	COLD	
Drain Time	300.0 (s)	Reduced Boil SP	180.0 (°F)	Tank Temperature	43.0 (°F)
Heater Pause Too Long	30.0 (min)	Rest Pause Too Long	30.0 (min)	High Lvl Threshold	45.0 (%)
Grain Out Plow Speed	10.0 (%)	Spin Pause Too Long	50.0 (min)	Low Lvl Threshold	40.0 (%)
Heat Rest Temp Deadband	2.0 (°F)	Rinse Time	120.0 (s)	P405 LIQUOR BLEND SPEED	25.0 (%)
Grant High Level Flow Rate Reduction Amount	10.0 (GPM)	Ingredient Dosing Alarm Horn Timer	2.0 (s)	HOT	
Grant Low Level Flow Rate Increase Amount	10.0 (GPM)	Drain Time	50.0 (s)	Tank Temperature	170.0 (°F)
		Knowkout Regen Temp Control Valve	1000 (%)	High Lvl Threshold	80.0 (%)
		Knowkout P405 Speed	50.0 (%)	Low Lvl Threshold	52.0 (%)

Auto SlideGate

RECIPE

Add/Create New Recipe Remove/Delete Recipe Edit Existing Recipe Use Default

Main Mash/Lauter Tun Kettle/Whirlpool Liquor System Control Panel Alarms

FactoryTalk® View version 14.00



expanding human possibility®

Release November 2023

PRELIMINARY RELEASE OVERVIEW - SUBJECT TO CHANGE





FactoryTalk

by **ROCKWELL AUTOMATION**

FactoryTalk® software helps you **design, maintain, operate and innovate** your operations

- System Design
- Operations
- Plant Maintenance
- Analytics and IIoT

Agenda

1

What's new with
FactoryTalk® View
software?

2

Runtime
Modernization

3

Connectivity and
Presentation

4

Application Design

5

Feedback-driven
enhancements

6

Mobility

7

Alarms and Events

8

ME Modernization

FactoryTalk® View v.14.00 release summary

NEW FEATURES AND SUSTAINABILITY

- Continued support for PlantPAx® system releases while enhancing system components for greater value and productivity
- Integration of new technologies for long-term platform sustainability and system reliability

DATA LOGGING AND ANALYTICS OPTIMIZATION

- New Edge Historian capabilities enabled by data log integration with InfluxDB
- Enhanced data visualization in TrendPro and Data Grid objects for more accessible data presentation to operators
- Versatile data analysis allowing third-party tools to retrieve, analyze, and report on data in the InfluxDB repository

DESIGN TIME EFFICIENCY AND PRODUCTIVITY

- Powerful new graphic objects such as a Radar Chart and a .NET control integrated with Apache E-Chart widgets allow designers to create attractive and intuitive operator interfaces
- Streamlined design process with a new Runtime Navigation Menu and redesigned Tag Browser UI

Production data starts as 1's and 0's. FactoryTalk® View v.14.00 will give you the tools needed to bring that information together in powerful ways to contextualize it for operators, allowing them to make real-time decisions necessary for manufacturing.

FactoryTalk® View software version 14.00 feature summary

November 2023

RUNTIME MODERNIZATION

- SE Client rendering and scaling
- Runtime scale quality improvement
- Improved multi-touch interaction
- Runtime Navigation Menu
- Runtime Navigation Menu – Integrated Runtime Search
- Multi-language switching popups
- Multi-monitor display docking and sizing

MOBILITY

- Step Line Trending
- Data Grid Time Range Filtering
- ViewPoint FactoryTalk® Administration Console refresh and modernization
- Enhanced System Status Portal
- System Status Portal – Alarm Dashboard

APPLICATION DESIGN

- Radar Chart
- Built-in .NET Control integrating with Apache E-Chart Widgets
- Tag Browser UI
- Command button enhancements
- Custom user message for Toggle action
- New Data Log Pro with edge historian capability built on InfluxDB™
- FactoryTalk® View Studio: HMI Components filtering

FEEDBACK-DRIVEN ENHANCEMENTS

- Electronic Signature for SE Functional Buttons
- Exclude tag scanning for invisible objects

CONNECTIVITY AND VISUALIZATION

- Data Grid – FactoryTalk® Historian Data Source
- TrendPro & XY Plot Enhancements
- Show annotations on the TrendPro

ALARMS AND EVENTS

- Language Switching Extended Tag Properties in alarm messages
- Alarm and Events Summary Live Data Value
- Additional Alarm and Events built-in functions

ME MODERNIZATION

- ME Transfer utility enhancement.
- Retain ActiveX Control version

AND MORE....



Runtime Modernization

SE Client rendering and scaling

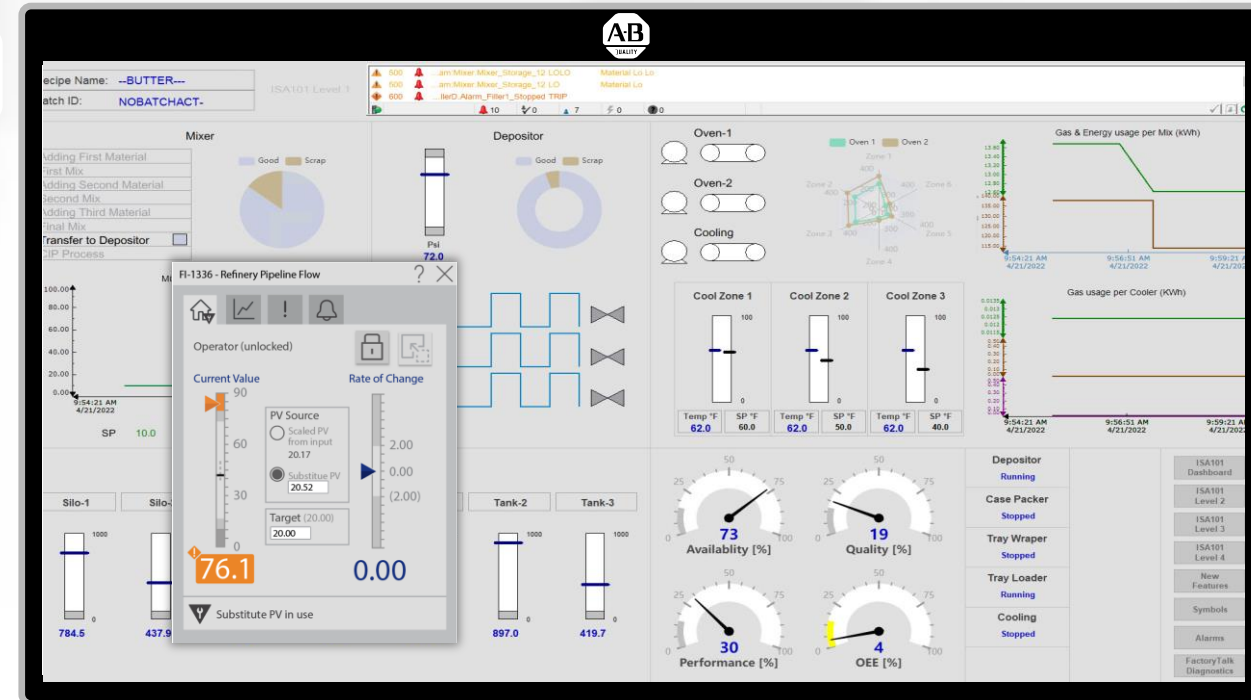
FactoryTalk® View Site Edition v.14.00

Feature:

- Automatic display scaling that ensures graphic elements are consistently presented at the appropriate size on a wide range of displays, regardless of their resolution and DPI configurations

Benefits:

- Adapt application content dynamically to diverse displays using Windows scale factors
- Achieve a uniform user experience as the application effortlessly adjusts to varying screen sizes and higher resolutions
- Enhanced support for high-resolution monitors
 - Enhance visibility and usability by allowing pop-up (faceplates) displays to intelligently resize according to DPI settings



Runtime scale quality improvement

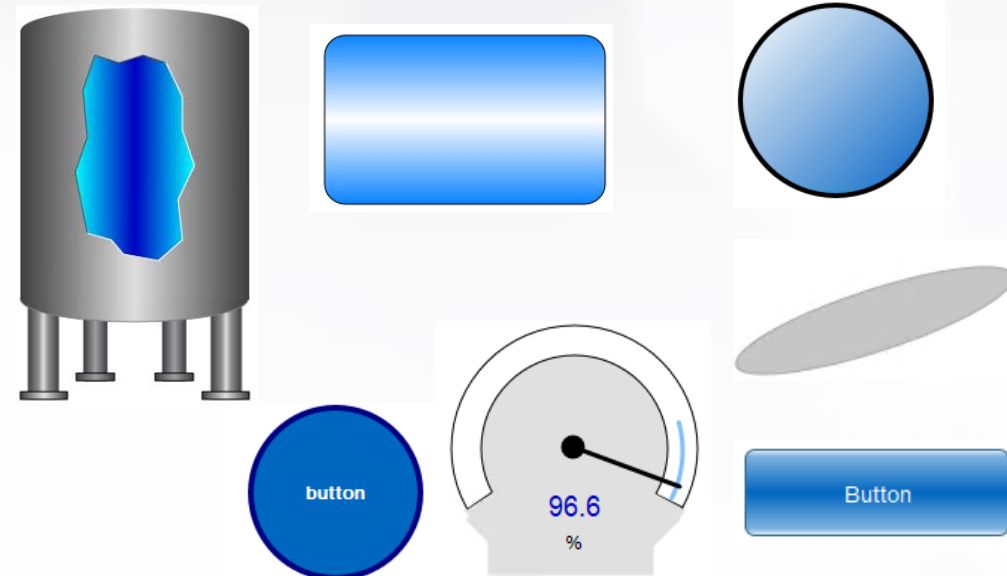
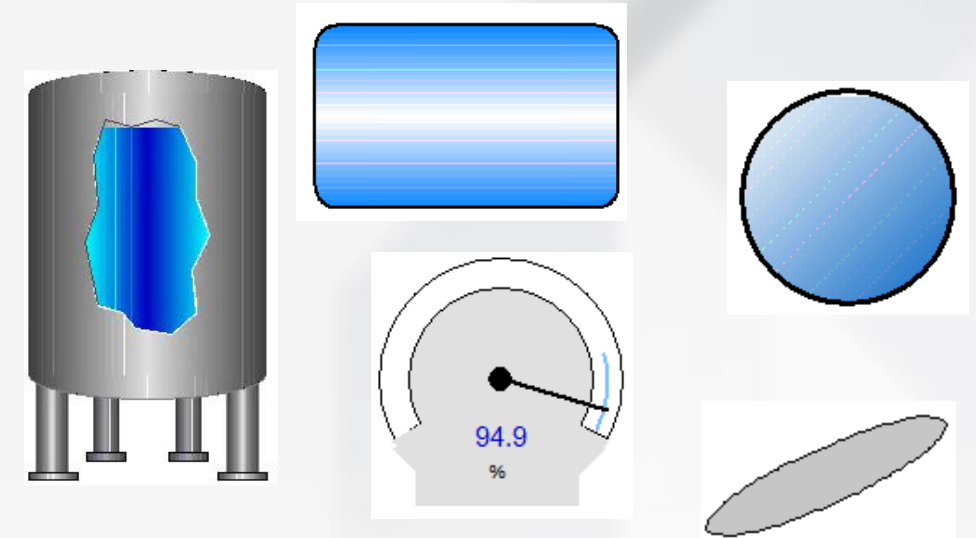
FactoryTalk® View Site Edition v.14.00

Feature:

- Upgraded Display Client™ rendering engine to enhance graphic objects scaling and resizing
 - Drawing object
 - Text
 - Local Message
 - Images

Benefits:

- Enhancements significantly boost the overall visual quality of graphics.
- Resolving issues related to blurry and pixelated objects, ensuring crisp and clear graphics
- Upgraded rendering engine ensures smoother and improved performance, elevating the user experience





Improved multi-touch interaction


FactoryTalk® View Site Edition v.14.00

Feature:

- Use Multi-Touch gestures in SE Display Client™

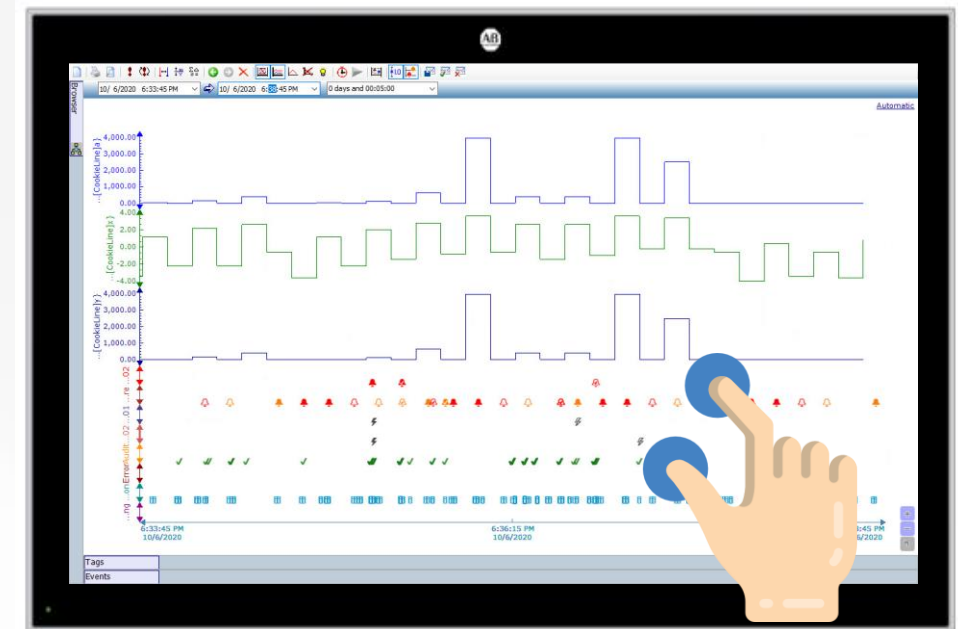
 Zooming in or out in TrendPro and XY Plot

 Panning in TrendPro and XY Plot

 Scrolling in lists (Data Grid and AE Log Viewer)

Benefits:

- Improved multi-touch interactions offer an intuitive way for users to navigate FactoryTalk® View SE applications on multi-touch monitors
- Improved zooming and panning in TrendPro and XY Plot empower data-driven decisions
- Effortless scrolling in lists, including Data Grid and AE Log Viewer, enhances data access and user efficiency



Runtime Navigation Menu

FactoryTalk® View Site Edition v.14.00

Feature:

- Application-level configurations that simplify the process of building a navigation menu. Users can define associated display parameters effortlessly
- Automated population of alarm and automatic diagnostic notifications, ensuring that users are promptly informed of important system alerts

Benefits:

- Quickly build the navigation menu with minimal clicks
- Eliminate the need to configure navigation buttons one by one, no more “navigation planning”
- Easily reorganize the menu's hierarchy structure through intuitive drag-and-drop functionality
- Renaming menu display name items doesn't affect project display names, thereby eliminating the need for extensive reconfiguration of navigation commands used in the project

The screenshot displays the FactoryTalk View Site Edition interface. At the top, a 'Navigation Menu' window is open, showing a list of items: History, Backward, Forward, Overview, Dashboard, Alarms, Mixer, and Oven. Below this, a main dashboard is visible, featuring a 'Mixer' control panel with a 'Transfer to Depositor' button, a 'Mixer Speed (RPM)' graph, and 'Raw Materials' status for Silo-1 through Silo-4 and Tank-1 through Tank-3. To the right, there are 'Oven-1' and 'Oven-2' controls, 'Cool Zone 1' through 'Cool Zone 3' controls, and 'Availability' and 'Quality' gauges. A 'Runtime search' box is visible in the top right corner. A 'History, Go back/forward' box is positioned over the Navigation Menu. An 'Alarm notifications' box is positioned over the top right of the dashboard. An 'Automatic Diagnostics notifications' box is positioned over the Mixer control panel. A 'Runtime search' box is positioned over the top right of the dashboard.

Runtime Navigation Menu – Integrated Runtime Search

FactoryTalk® View Site Edition v.14.00

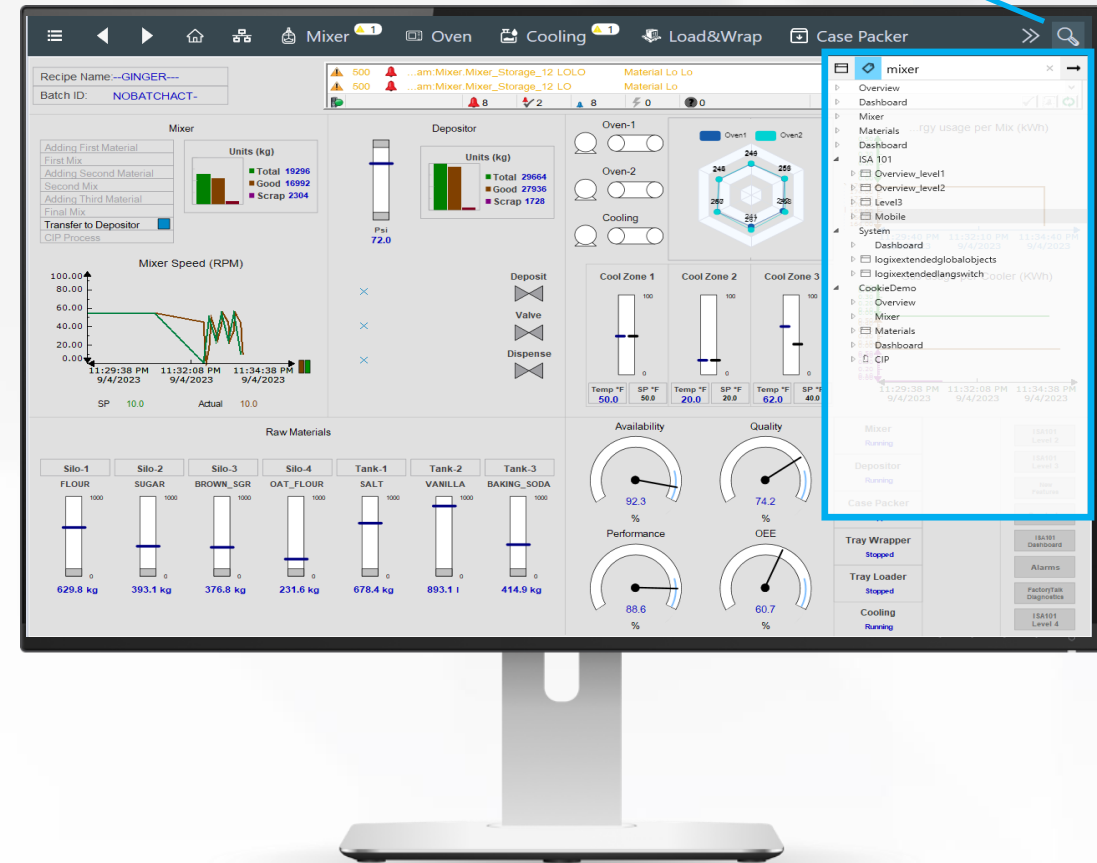
Feature:

- User-friendly runtime search functionality built directly into the Runtime Navigation menu
- Easily locate referenced tags across all displays configured in the Display Client™ navigation menu
- Double-click an item to navigate to the associated tag's faceplate or graphic display

Benefits:

- Eliminate the need for manual tasks, such as creating offline tag cross-reference tables and developing complex VBA scripts
- Automatically resolve the parameter tags (#1=TagName)
- Quickly navigate to the display where the tag is referenced
- Highlights graphic objects with associated tags, enhancing visibility and simplifying the identification of critical information

Runtime search



Multi-language switching popups

FactoryTalk® View Site Edition v.14.00

Feature:

- Provide operators with an interface based on the language of the running SE Client for improved readability and user-friendliness
- Language switching is extended to pop-up dialogs:
 - Login
 - E-signature
 - Context menus (Alarms and Events Controls, etc.)

Benefits:

- Consistent and user-friendly interface across all components
- Vital interactions in the user's preferred language, reducing errors
- Seamless multilingual support throughout the application

The screenshot shows the English version of the 'FactoryTalk View Electronic Signature' dialog box. It contains the following sections:

- Review Action:** A text box containing 'Write '55' to the tag 'RecipeProDemo\Ingredient02'. Previous value was '0.0''.
- Operator:** Fields for 'User name:' (containing 'SERVER\LABUSER') and 'Password:', and a 'Comment:' text area. Buttons for 'Accept' and 'Cancel' are at the bottom.
- Counter Signatory:** Fields for 'User name:' and 'Password:', and a 'Comment:' text area. Buttons for 'Accept', 'Reject', and 'Cancel' are at the bottom.

The screenshot shows the Chinese version of the '电子签名' (Electronic Signature) dialog box. It contains the following sections:

- 执行操作 (Execute Action):** A text box containing 'Write '55' to the tag 'RecipeProDemo\Ingredient02'. Previous value was '0.0''.
- 操作员 (Operator):** Fields for '用户名:' (User Name, containing 'SERVER\LABUSER') and '密码:' (Password), and a '注释:' (Comment) text area. Buttons for '同意' (Accept) and '取消' (Cancel) are at the bottom.
- 批准人签名 (Approver Signature):** Fields for '用户名:' and '密码:', and a '注释:' text area. Buttons for '同意', '拒绝' (Reject), and '取消' are at the bottom.

Multi-monitor display docking and sizing

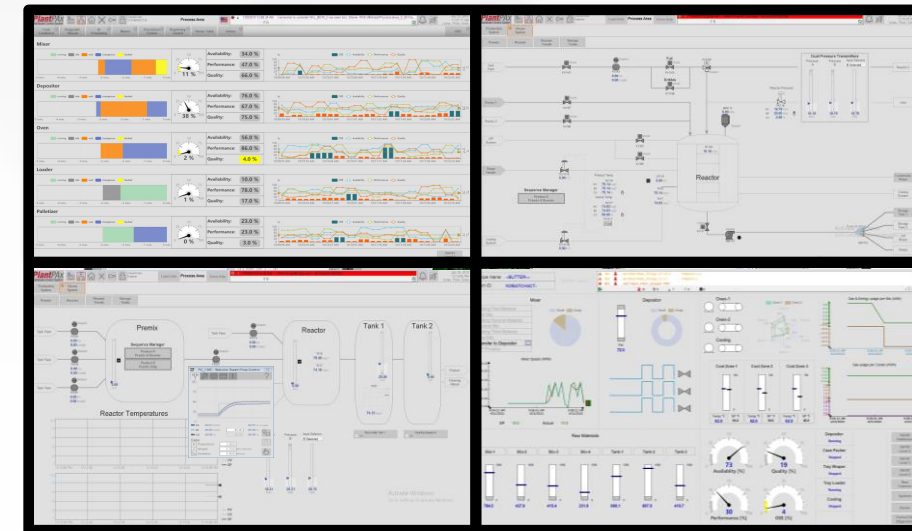
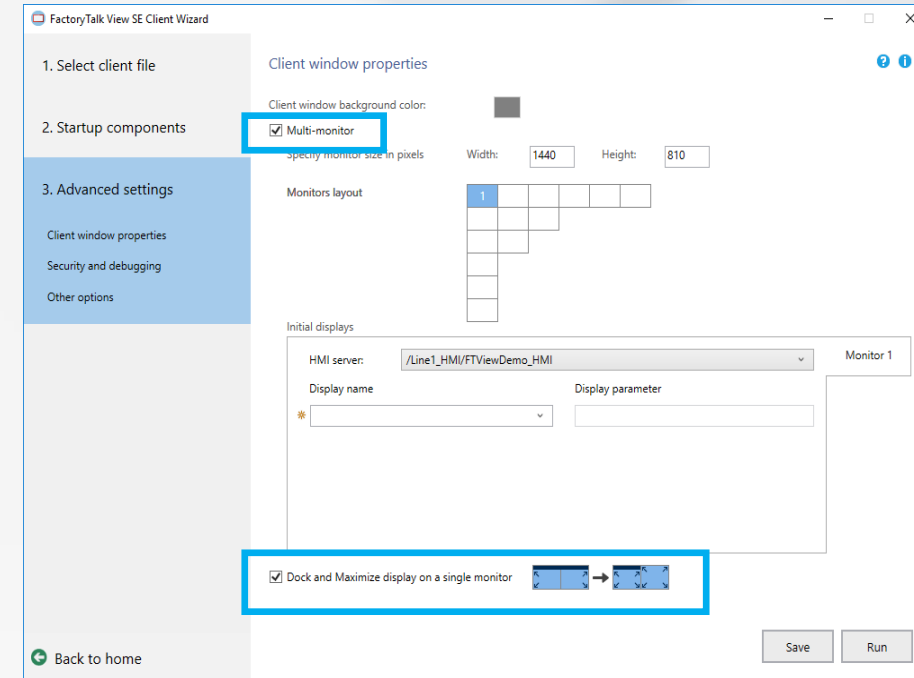
FactoryTalk® View Site Edition v.14.00

Feature:

- New option when running Display Client™ on Multi-Monitor configurations:
 - Dock the navigation banner or sidebar to the edge of a specified single monitor
 - Run the main display maximized on a specified single monitor

Benefits:

- Auto-fit display contents to the screen resolution on multi-monitor environments. Eliminates the need to design the main display with fixed resolutions
- Show different displays and navigation bars on different monitors
- Achieve a more versatile and efficient interface customization. Simplify complex multi-monitor setups with ease





Connectivity and Presentation

Data Grid – FactoryTalk® Historian Data Source

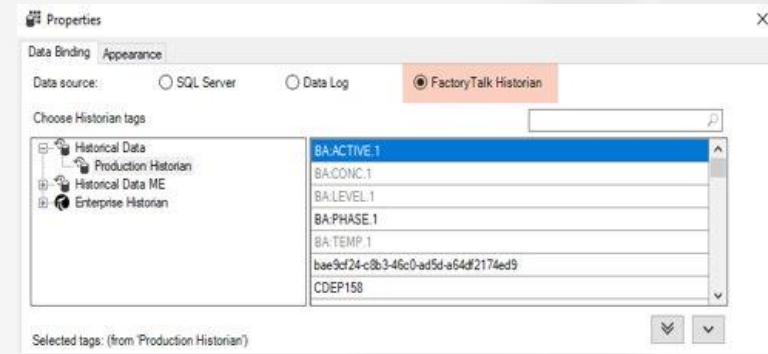
FactoryTalk® View Site Edition and ViewPoint v.14.00

Feature:

- Introducing a data source for the Data Grid control with expanded capabilities, enabling users to seamlessly visualize historical data from FactoryTalk® Historian SE, ME, and PI Server within the application, presented in a user-friendly tabular

Benefits:

- Developers benefit from a simplified configuration process during the design phase, reducing setup complexities and saving valuable time
- Operators enjoy a quick and easy method to access historical information directly at the operator station, facilitating efficient data retrieval and enhancing decision-making capabilities



DateAndTime	BA:LEVEL.1	BA:TEMP.1	BA:CONC.1	CDM158
12/30/2022 07:43:16....	21.54311	18.06431	20.61981	
12/30/2022 07:43:08....				Prog-Auto
12/30/2022 07:42:46....	20.49774	18.48634	18.6927	
12/30/2022 07:42:38....				Program
12/30/2022 07:42:16....	20.70994		18.71478	
12/30/2022 07:42:08....				
12/30/2022 07:41:46....	19.99559	18.7074		
12/30/2022 07:41:38....				Prog-Auto
12/30/2022 07:41:16....	20.48044		17.46557	
12/30/2022 07:40:46....	19.90018	17.75014	18.13564	
12/30/2022 07:40:38....				Program
12/30/2022 07:40:16....	18.54238	17.78946		
12/30/2022 07:40:08....				Cascade
12/30/2022 07:39:46....		18.51504	14.99826	
12/30/2022 07:39:38....				Program
12/30/2022 07:39:16....	19.07423	17.99958	16.09241	
12/30/2022 07:38:46....	18.33231	18.96105	16.09537	
12/30/2022 07:38:38....				Prog-Auto
12/30/2022 07:38:16....	18.154	18.2716	14.12124	
12/30/2022 07:38:08....				Program

TrendPro & XY Plot Enhancements

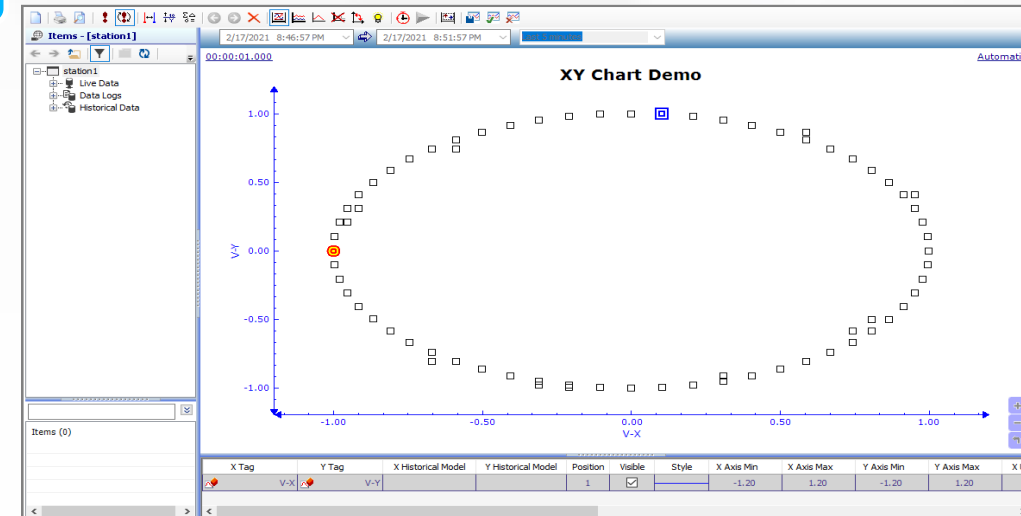
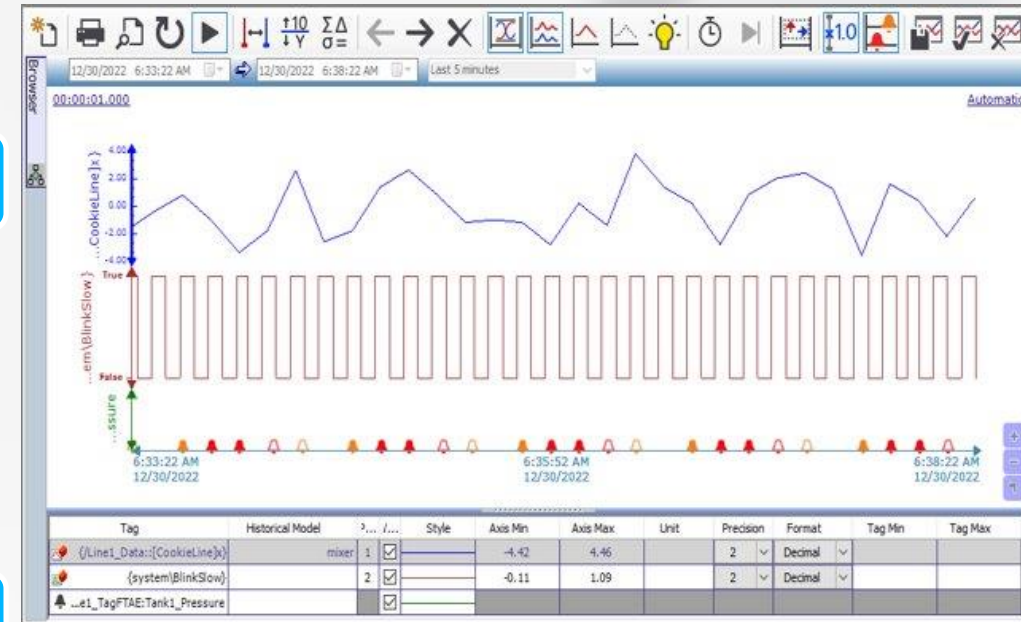
FactoryTalk® View Site Edition v.14.00

Feature:

- New TrendPro VBA methods/properties
 - <TrendName>, PrintChart([specifyFilePath],[useLandscapeMode])
 - <TrendName>, ShowToolBarButton(ToolBarButtonID As ButtonID, Visible As Boolean)
- Support for configuration of small, medium, and large icon size on the toolbar

Benefits:

- Allow precise toolbar button control through granular enable/disable options
- Secure toolbar for runtime operations, ensuring data integrity and system stability
- Configure role-based security measures to help prevent unauthorized access to critical functions like Windows Explorer
- Multi-Touch friendly toolbar with large icon sizes, promoting ease of use and improved user experiences



Show annotations on the TrendPro

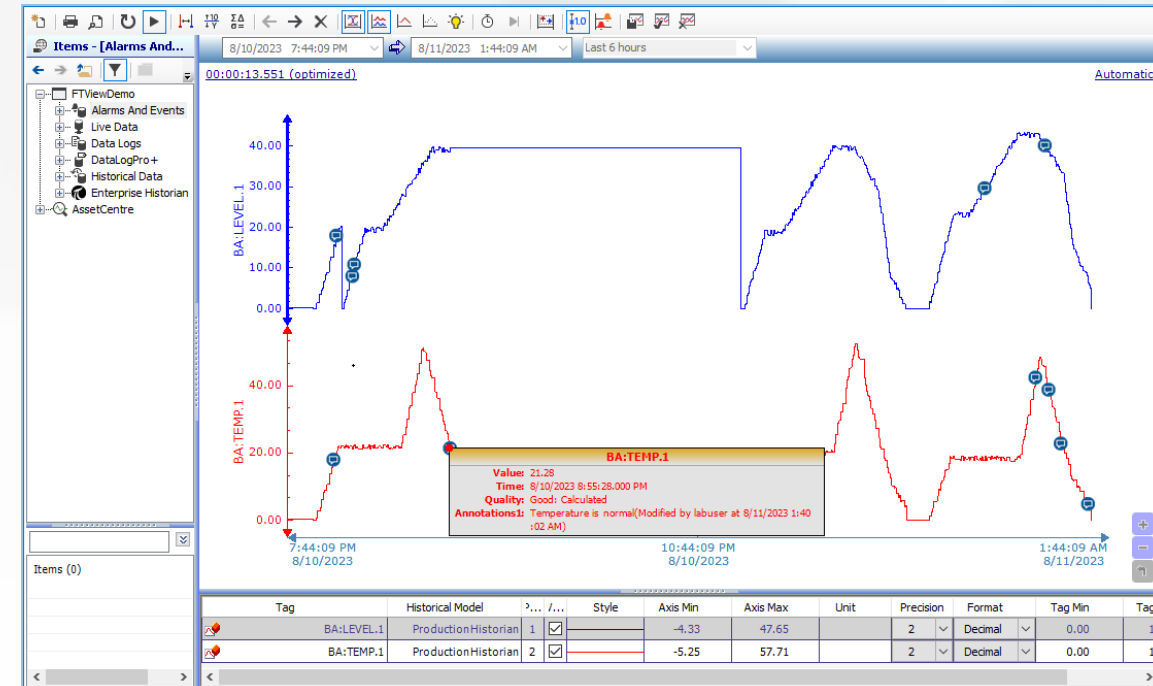
FactoryTalk® View Site Edition v.14.00

Feature:

- The annotation feature lets users attach text comments to historical records in FactoryTalk® Historian SE or PI Enterprise database, displayed as markers on the Trend trace graph. Hovering over a marker reveals the associated text, including the username and time stamp, and can be managed in TrendPro.

Benefits:

- Access and edit annotations directly in TrendPro, eliminating software switching for streamlined workflows and time savings
- Manage security configurations seamlessly in FactoryTalk® Historian SE, ensuring data protection
- Valuable for operations personnel, allowing comments on abnormal events or data trends





Application Design

Radar Chart

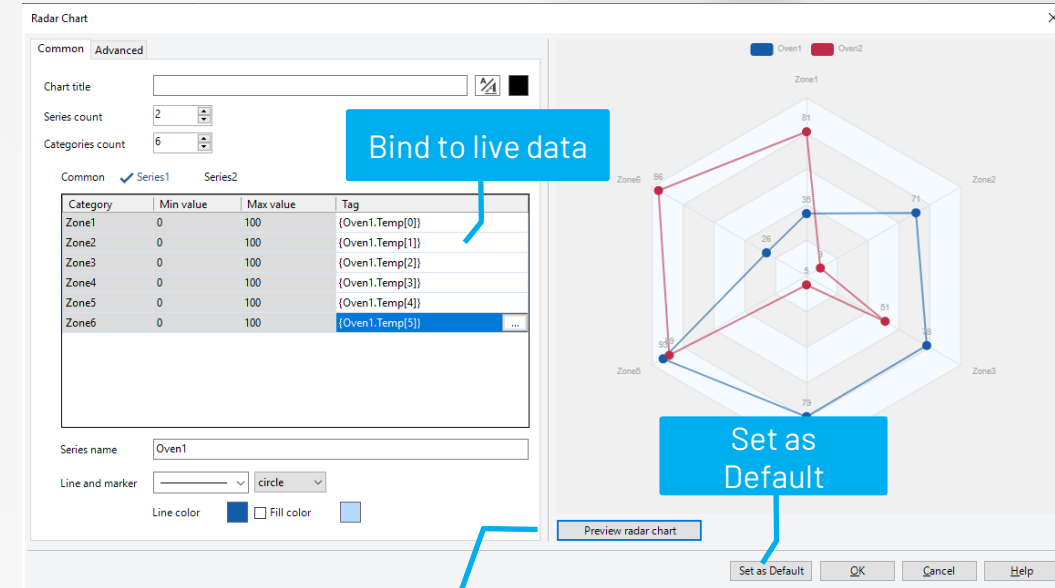
FactoryTalk® View Site Edition and ViewPoint v.14.00

Feature:

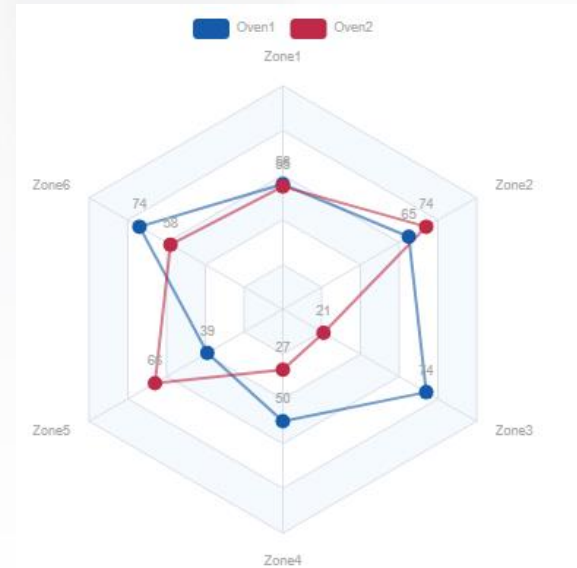
- A new built-in radar chart displaying multivariate data in a radial format:
 - Supports real-time data sources
 - Seamlessly available in FactoryTalk® ViewPoint

Benefits:

- Easily compare multiple parameters or variables
- Swiftly identify strengths and weaknesses across different categories
- Present and analyze complex data in an intuitive and easy-to-read format
- Ideal for data-driven decision-making processes, improving operational efficiency and accuracy



Preview the configurations



Built-in .NET Control integrating with Apache E-Chart Widgets

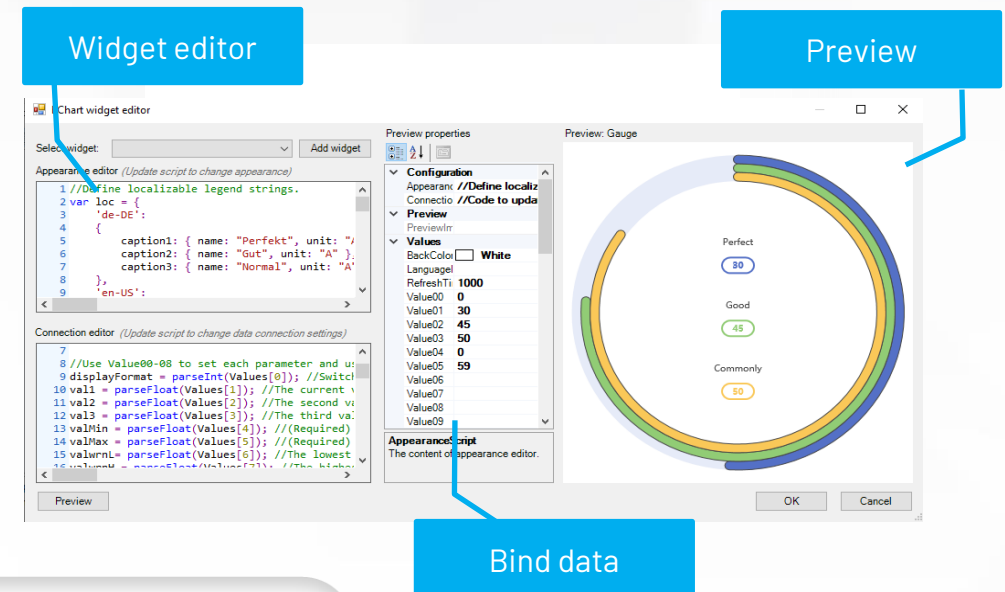
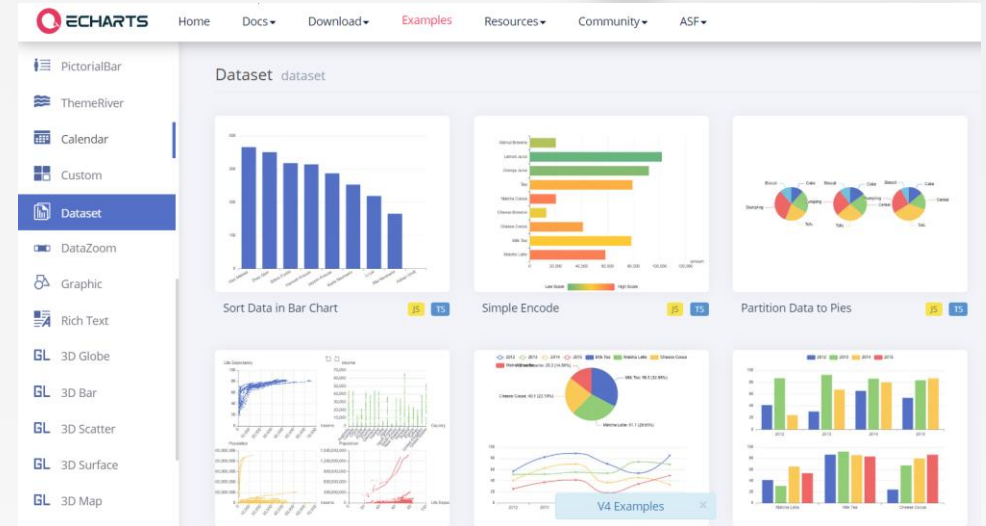
FactoryTalk® View Site Edition v.14.00

Feature:

- Offers a .NET Control empowered by the Open-Source JavaScript visualization library 'Apache E-Charts' to elevate visualization capabilities
- User-friendly and intuitive mechanism for configuring both new and existing web-based widgets
- Simplify widget creation and customization with an embedded designer included in .NET Control Object

Benefits:

- Elevate your visualization project designs to modern standards
- Configure widgets as FactoryTalk® View SE embedded objects for streamlined development
- Utilize well-established technologies like JavaScript and JSON for easy configuration
- Seamlessly connect to live data tag values, multi-language switching for a global audience, parameter passing, etc.
- Use widgets in Global Objects to enhance parameterization across your project



Tag Browser UI

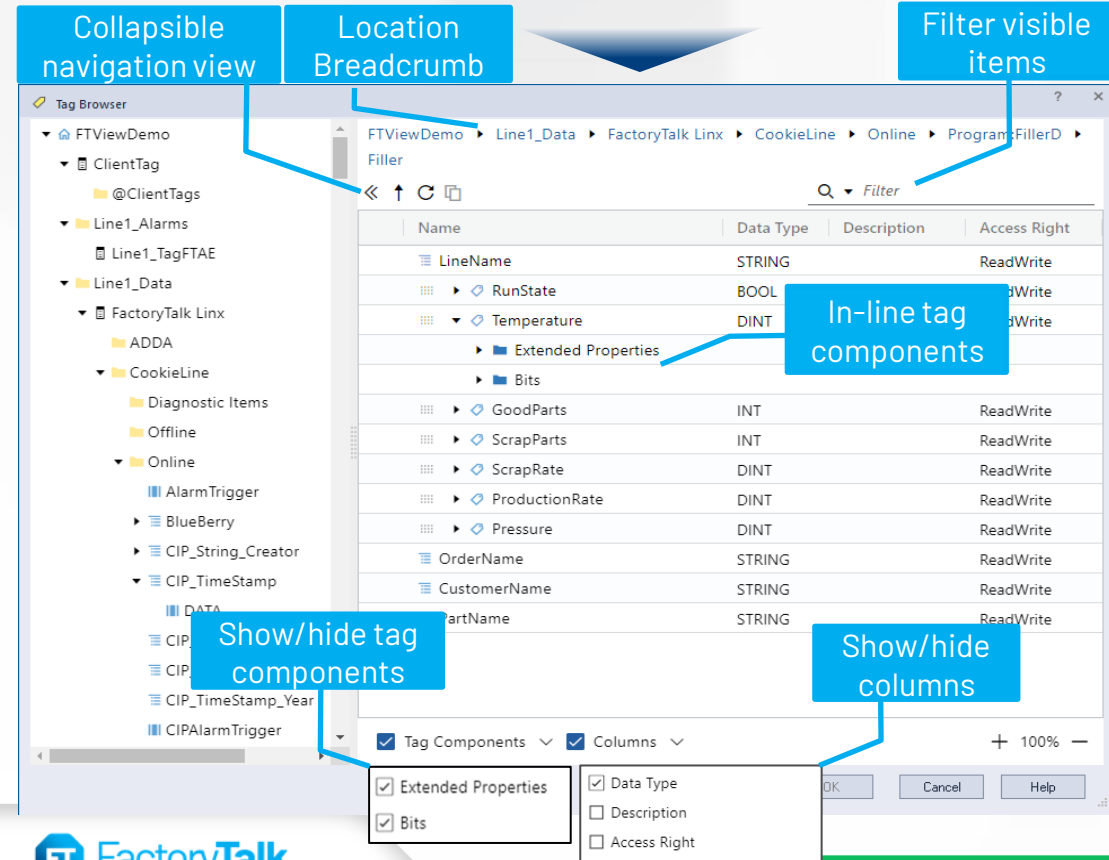
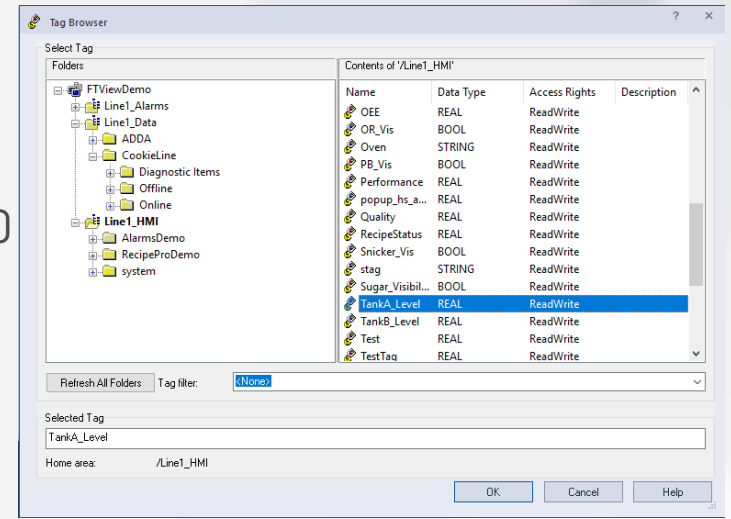
FactoryTalk® View Site, Machine Edition v.14.00 and Alarms and Events v.6.40

Feature:

- FactoryTalk® Services v.6.40 introduces a redesigned tag browser with a modern user interface:
 - Now includes Logix Tag Extended Properties

Benefits:

- Increase system development productivity
- Enhance the overall look and feel of your workspace and enjoy a more visually appealing user experience
- Eliminate manual entry of the extended tag properties names
- Eliminate manual entry of bit level references
- Ensure accuracy and precision in your projects, reduce the risk of errors and save valuable time



Command button enhancements

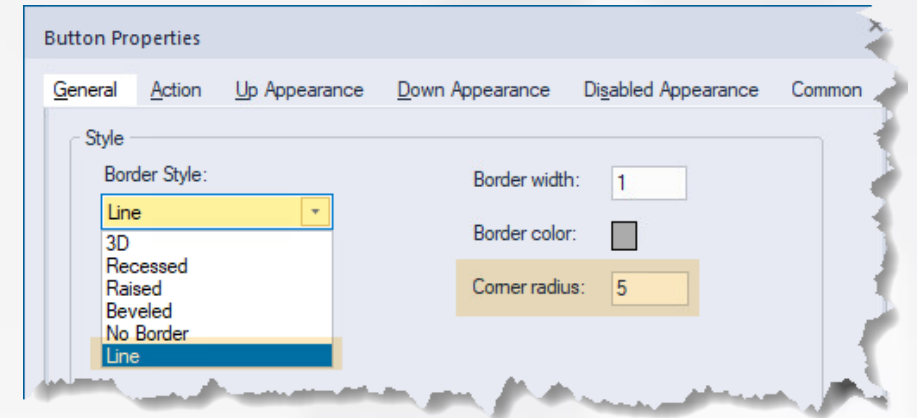
FactoryTalk® View Site Edition v.14.00

Feature:

- Elevate the command button's visual appeal with a modernized flat design
 - Enable customization of line border style, including width and color
 - Provide compatibility for rounded rectangular shapes, with adjustable corner radii

Benefits:

- Expand customization possibilities for tailoring the command button's appearance
- Streamline and contemporize your application's design
- Eliminate the need to import images for emulating rounded rectangular corners



Custom user message for Toggle action

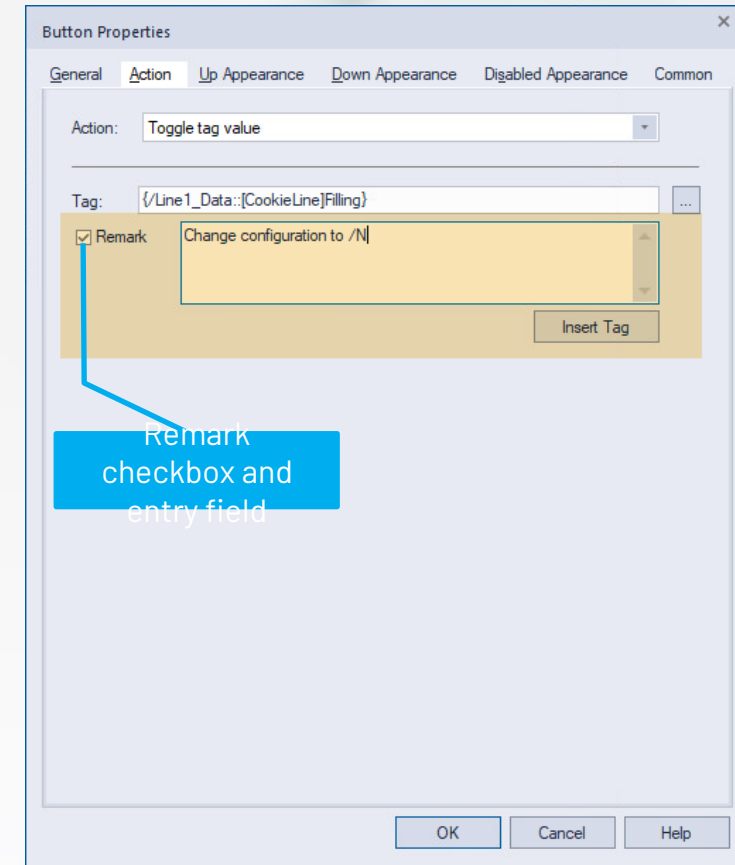
FactoryTalk® View Site Edition v.14.00

Feature:

- Configure custom remarks for Toggle tag value action
- Utilize tags and parameters for increased versatility
- Incorporate "/c" and "/n" placeholders for current and

Benefits:

- Developers can seamlessly configure custom diagnostics for Toggle tag value action, enabling precise audit logging
- This enhancement seamlessly integrates with the PlantPax® Library of Process Objects, further enriching diagnostics capabilities



```
Message: Change configuration to 1
Severity: Audit
Audience: Operator
Time: 8/29/2023 2:13:34 PM
Location: FTVIEW14IB
Provider: FTVIEW14IB\ADMINISTRATOR
User: FTVIEW14IB\ADMINISTRATOR
Full Name:
Message:

- Additional Fields -
Verbosity: 0
area: RNA://$Global/FTViewDemo/Line1_HMI
zone:
```

New Data Log Pro with edge historian capability built on InfluxDB™

FactoryTalk® View Site Edition v.14.00

Feature:

- New Data Log engine collects and stores historical data in InfluxDB™
- Custom-built for efficient management of time series data.
- Simultaneously logs a substantial number of tags
- Supports both periodic and event-driven logging

Benefits:

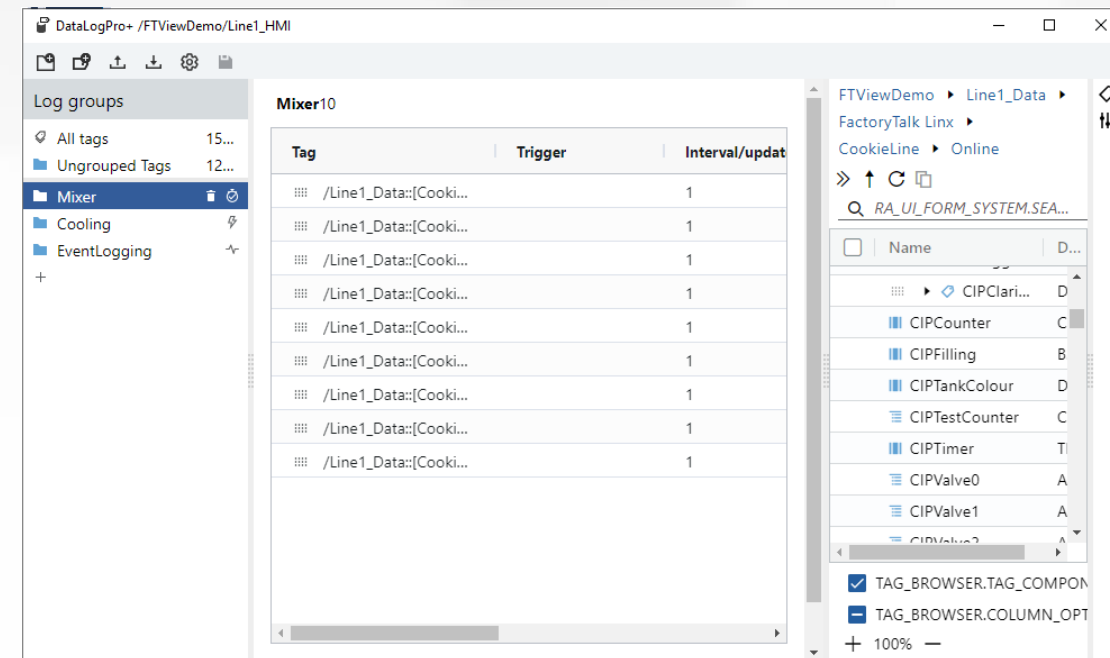
- Redesigned DataLogPro editor for effortless setup of individual or group tag logging
- High-Performance Data Access - Visualize logged data seamlessly using TrendPro and Data Grid control
- Harness the power of third-party tools to retrieve, analyze, and generate reports from the InfluxDB™ repository



View SE



New!
edge historian
capability



FactoryTalk® View Studio: HMI Components filtering

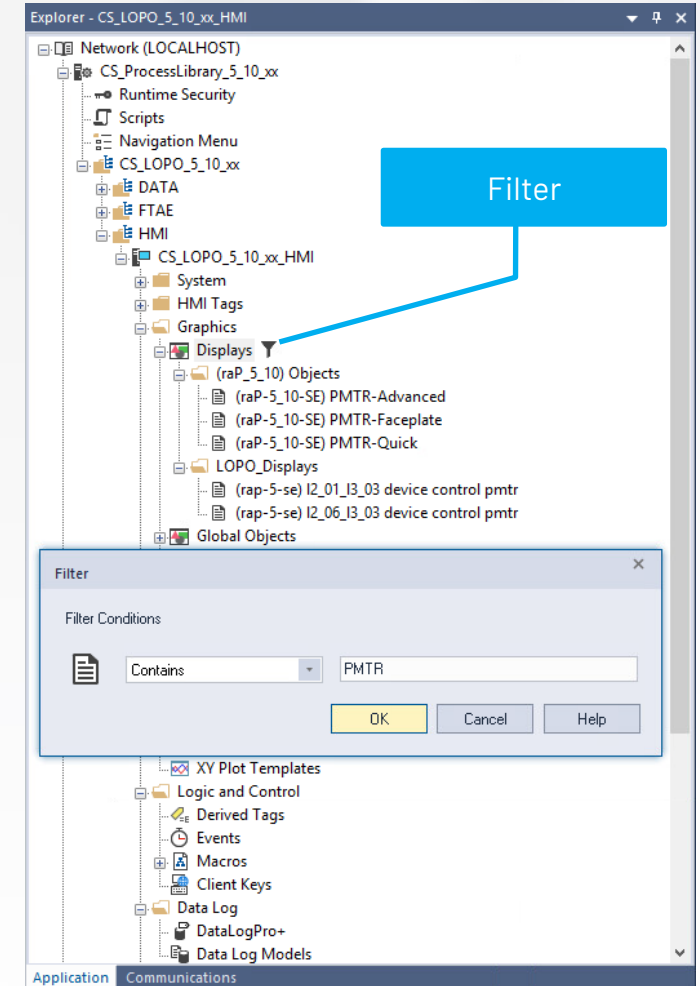
FactoryTalk® View Site and Machine Edition v.14.00

Feature:

- New Project Explorer Filters
 - Limit visibility to items meeting specific criteria
 - Two filter options: "Starts with" and "Contains"

Benefits:

- Quickly locate items within the project explorer tree
- Individual filters allow for precise item retrieval, saving time and reducing clutter:
 - Displays/Global Objects
 - Parameters
 - Computers and Groups
 - Networks and Devices
 - Users and Groups





Feedback-driven enhancements

Electronic Signature for SE Functional Buttons

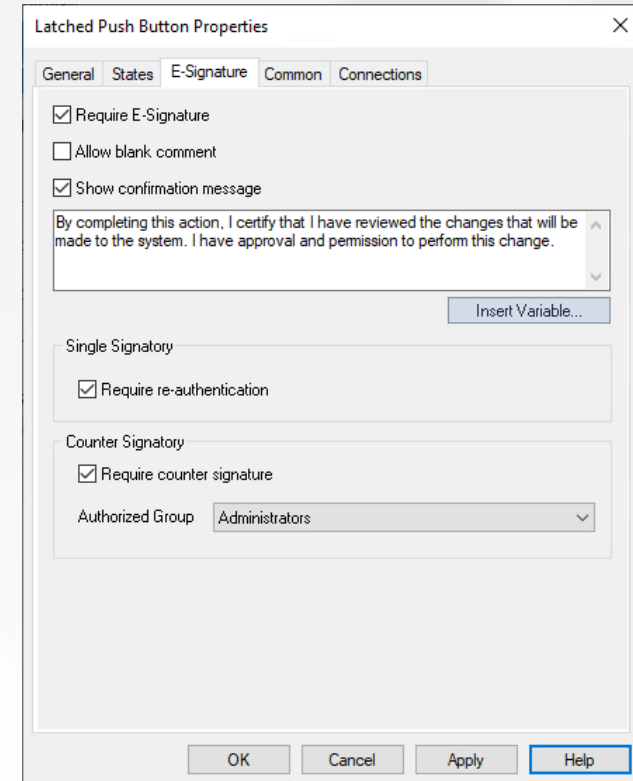
FactoryTalk® View Site Edition v.14.00

Feature:

- Introducing expanded Electronic Signature capabilities:
 - V13: Multistate Button
 - V14: Maintained Button, Latched Button, Interlocked Button, Ramp Button, Control List Selector, Piloted Control List Selector, Display List

Benefits:

- Utilize E-Signature for configuring electronic signature capabilities
- Control and record operator actions across a broader spectrum of FactoryTalk® View SE objects
- Foster a safer and more traceable industrial automation environment



Exclude tag scanning for invisible objects

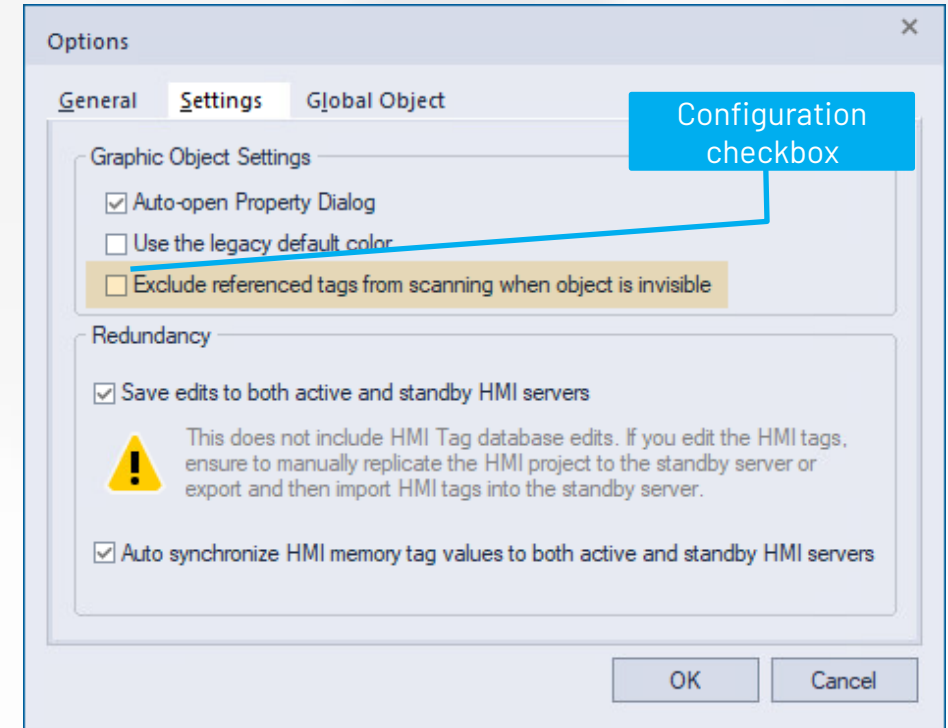
FactoryTalk® View Site and Machine Edition v.14.00

Feature:

- FactoryTalk® View Studio introduces a new configuration that excludes tag scanning for invisible objects

Benefits:

- Unnecessary resource consumption is eliminated, optimizing system performance
- The system focuses only on relevant data, ensuring seamless user experience
- Capability to develop dynamic HMI content that references unavailable controller tags based on object configuration, all without compromising performance





Mobility

Step Line Trending

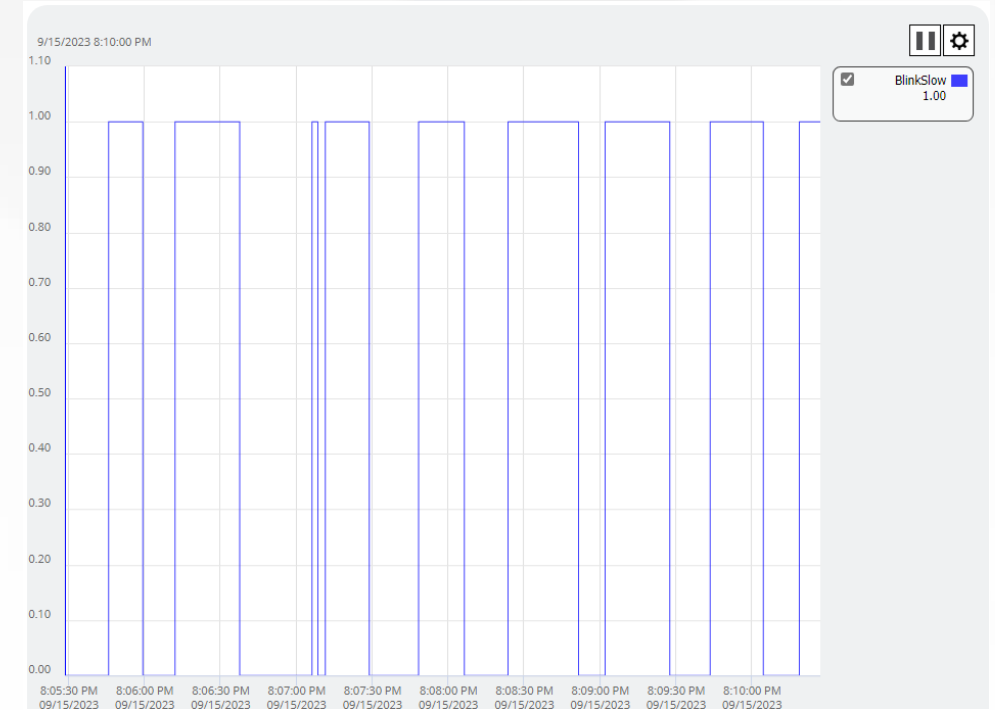
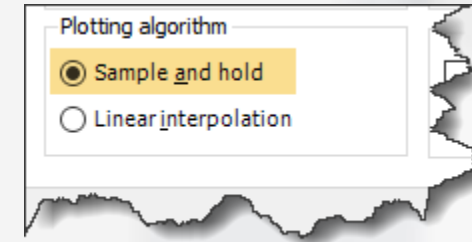
FactoryTalk ViewPoint v.14.00

Feature:

- Experience enhanced trending with Step Line Trending in ViewPoint.
- Available in FactoryTalk View Site Edition v.14.00

Benefits:

- Improved data visualization for identifying step changes
- Enhanced historical data accuracy for precise analysis
- Empowers users to make informed decisions
- Reduces errors in data interpretation
- Optimizes operational efficiency and safety



Data Grid Time Range Filtering

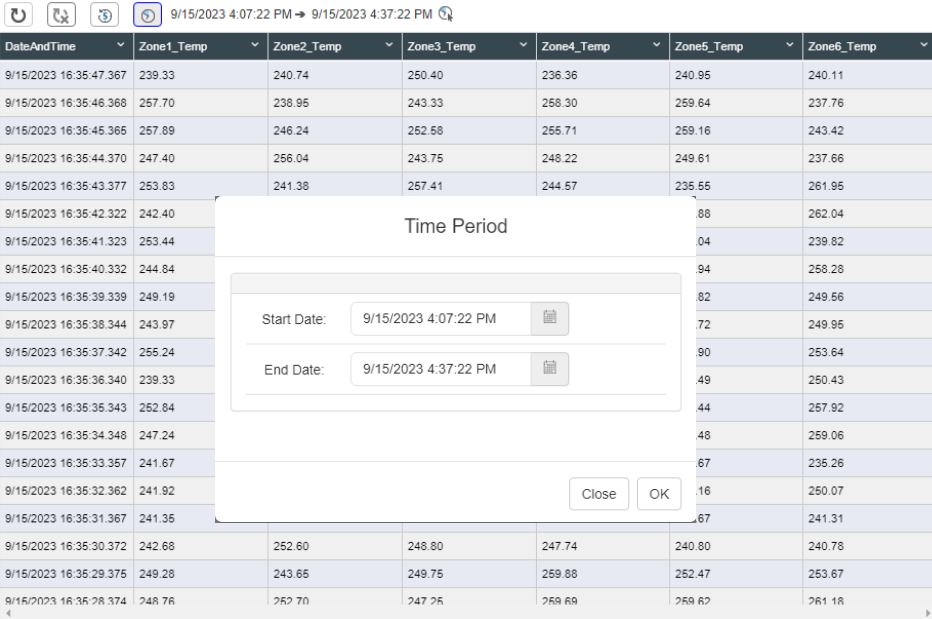
FactoryTalk ViewPoint v.14.00

Feature:

- Filter historical data within specified time ranges in ViewPoint
- Available in FactoryTalk View Site Edition v.14.00 for comprehensive control

Benefits:

- Quickly pinpoint relevant historical data by defining custom time ranges
- Enhance troubleshooting, performance monitoring, and decision-making processes
- Streamline data exploration with intuitive time-based filtering
- Reduce time spent searching for specific information
- Supported in both FactoryTalk ViewPoint and FactoryTalk View Site Edition v.14.00
- Ensures consistency and flexibility across your HMI solutions



DateAndTime	Zone1_Temp	Zone2_Temp	Zone3_Temp	Zone4_Temp	Zone5_Temp	Zone6_Temp
9/15/2023 16:35:47.367	239.33	240.74	250.40	236.36	240.95	240.11
9/15/2023 16:35:46.368	257.70	238.95	243.33	258.30	259.64	237.76
9/15/2023 16:35:45.366	257.89	246.24	252.58	255.71	259.16	243.42
9/15/2023 16:35:44.370	247.40	256.04	243.75	248.22	249.61	237.66
9/15/2023 16:35:43.377	253.83	241.38	257.41	244.67	235.55	261.95
9/15/2023 16:35:42.322	242.40				88	262.04
9/15/2023 16:35:41.323	253.44				04	239.82
9/15/2023 16:35:40.332	244.84				94	258.28
9/15/2023 16:35:39.339	249.19				82	249.56
9/15/2023 16:35:38.344	243.97				72	249.95
9/15/2023 16:35:37.342	255.24				90	253.64
9/15/2023 16:35:36.340	239.33				49	250.43
9/15/2023 16:35:35.343	252.84				44	257.92
9/15/2023 16:35:34.348	247.24				48	259.06
9/15/2023 16:35:33.357	241.67				67	235.26
9/15/2023 16:35:32.362	241.92				16	250.07
9/15/2023 16:35:31.367	241.35				67	241.31
9/15/2023 16:35:30.372	242.68	252.60	248.80	247.74	240.80	240.78
9/15/2023 16:35:29.375	249.28	243.65	249.75	259.88	252.47	253.67
9/15/2023 16:35:28.374	248.76	252.70	247.25	259.69	259.62	261.18

ViewPoint FactoryTalk® Admin Console refresh and modernization

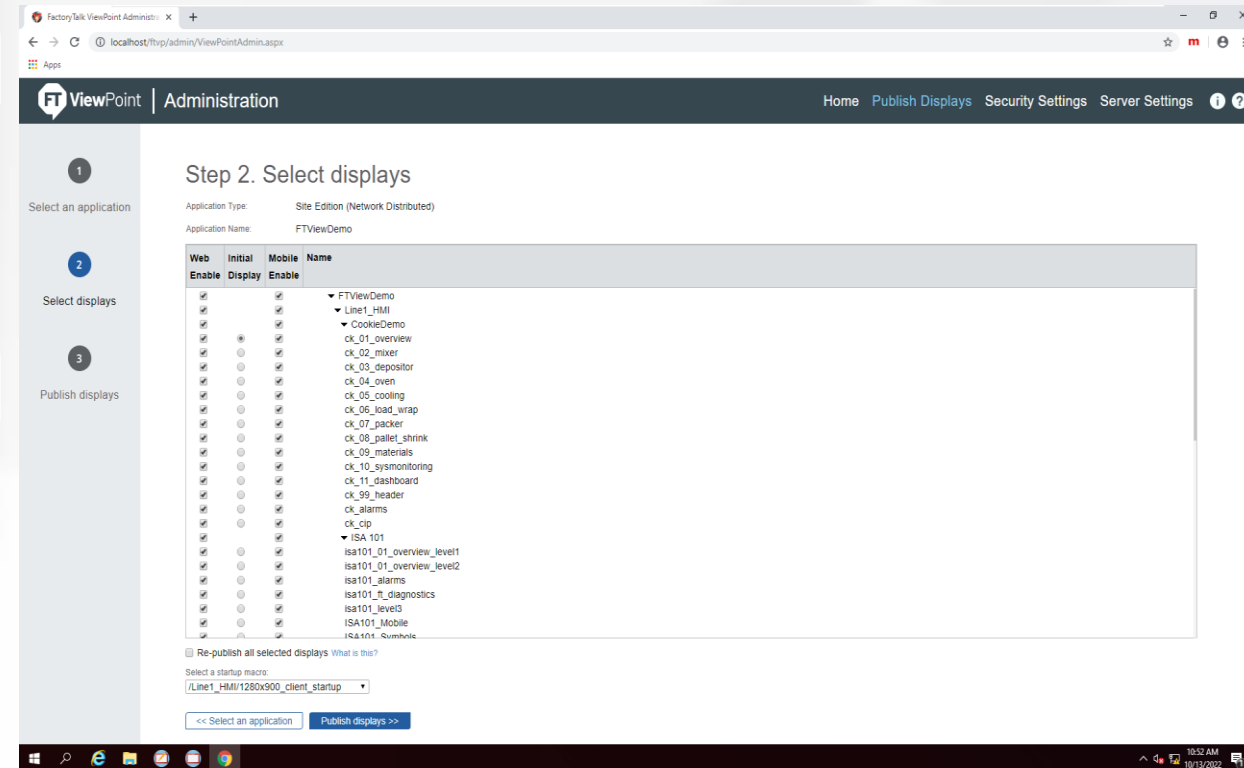
FactoryTalk® ViewPoint v.14.00

Feature:

- Refreshed FactoryTalk® ViewPoint Administration Console webpage with a fresh, cohesive design in alignment with Rockwell Automation's web portal interfaces

Benefits:

- Improved Visual Appeal
- Seamless Navigation
- Intuitive and user-friendly experience



Enhanced System Status Portal

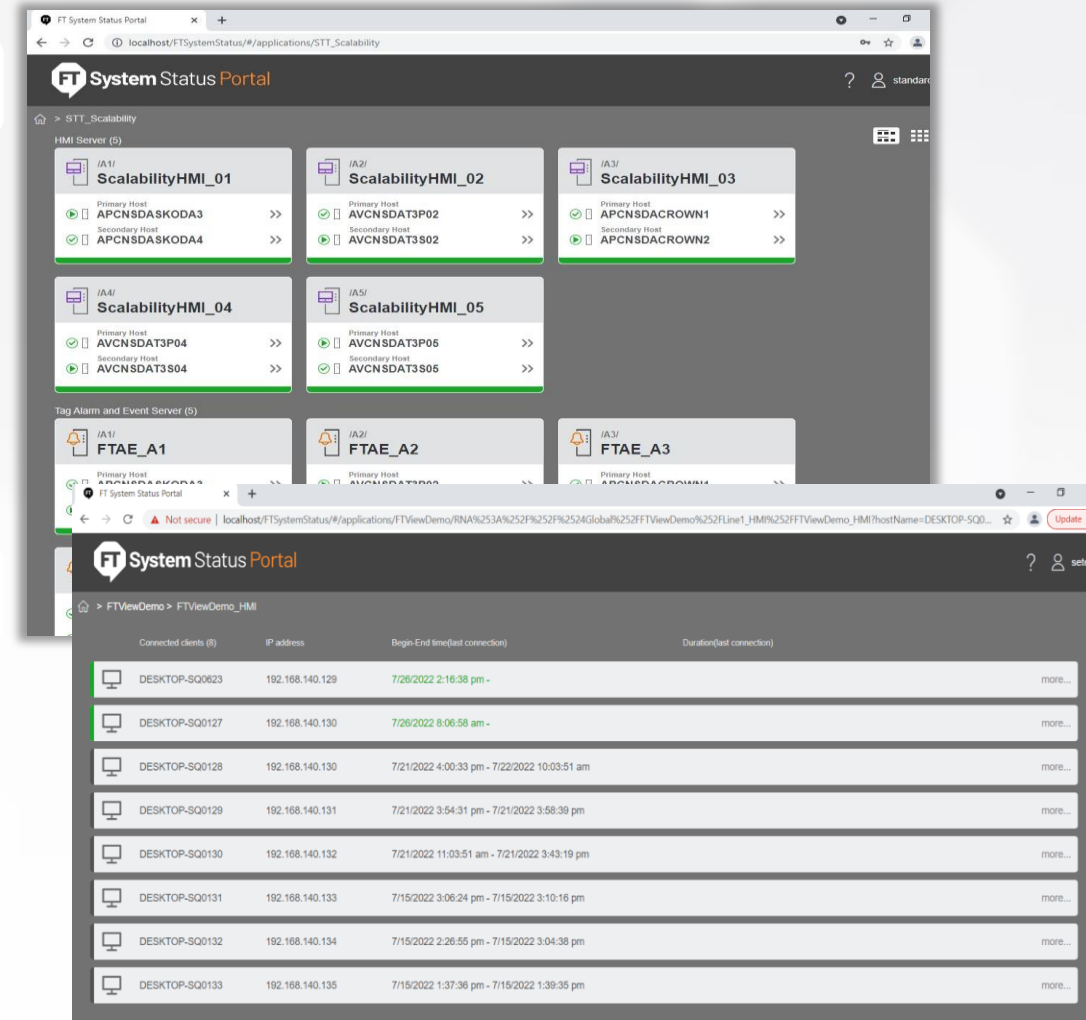
Included with FactoryTalk® Services v.6.40

Feature:

- A webpage provides an overview of FactoryTalk® Application servers and their respective statuses:
- V13 – Includes monitoring for HMI, Data servers (FactoryTalk® Linx, OPC), and FactoryTalk® Alarms and Events servers
- V14 – Expands coverage to FactoryTalk® View SE Client connections, FactoryTalk® Historian SE Server Status, and Alarm and Events Dashboards
- Accessible via link:

Benefits:

- Access application server status via a web browser, either from the FactoryTalk® FactoryTalk® View SE Web Browser control or a separate computer
- Monitor the status of application servers, including:
 - Loading, Running, and Failed states
 - Redundancy – Active or Standby mode
- Provides only an indication of server status, streamlining server management and troubleshooting



System Status Portal – Alarm Dashboard

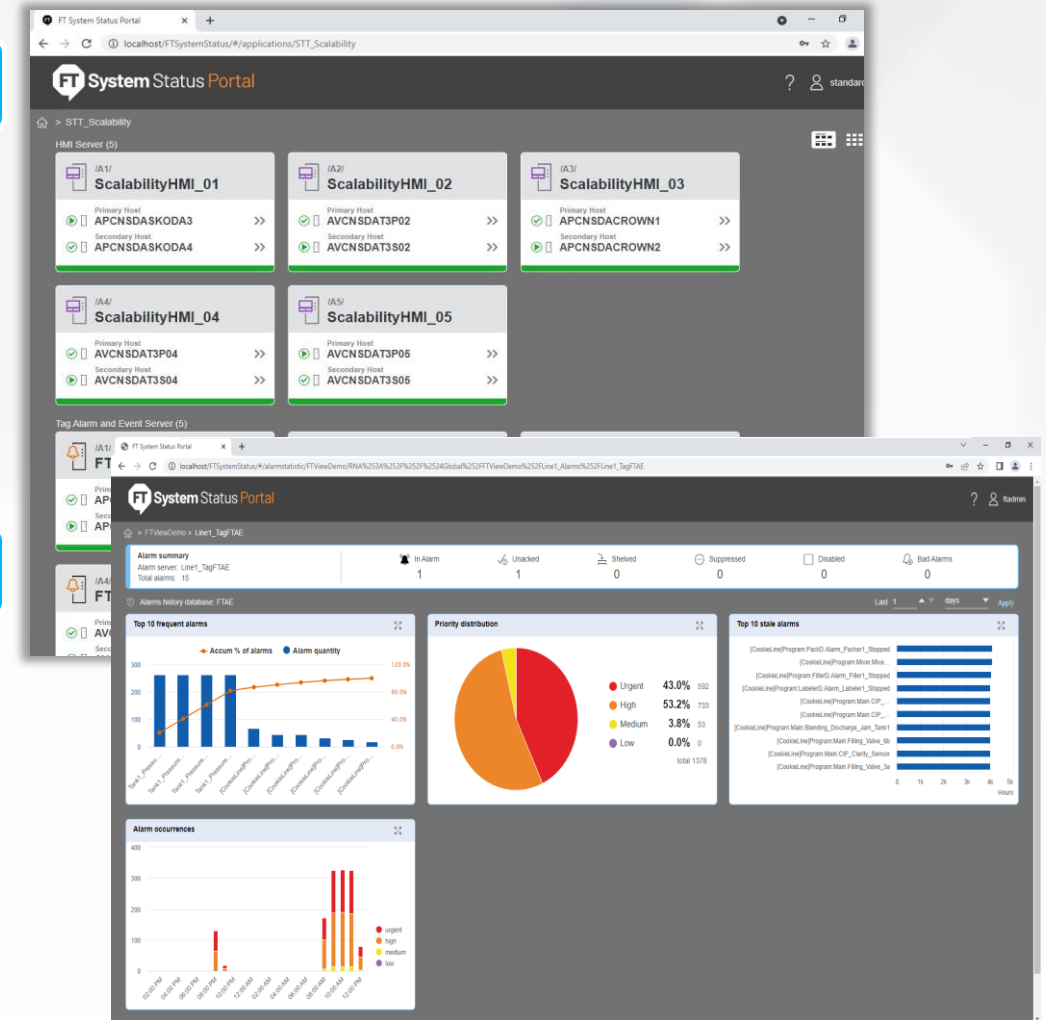
Included with FactoryTalk® Services v.6.40

Feature:

- Integrated solution that offers a user-friendly webpage for a simplified overview of FactoryTalk® Application Alarm Dashboards.
- Accessible via link: http://<ftsystemstatus_server>/ftsystemstatus/, this integrated solution harnesses the power of the FactoryTalk® Alarms and Events database to provide essential alarm statistics.

Benefits:

- Users can conveniently view key alarm statistics:
 - Summary of Real-time Alarm State
 - Most Frequent Alarms
 - Alarm Frequency by Priority/Severity
 - Priority Distribution
 - Alarm Duration





Alarms and Events

Language Switching Extended Tag Properties in alarm messages

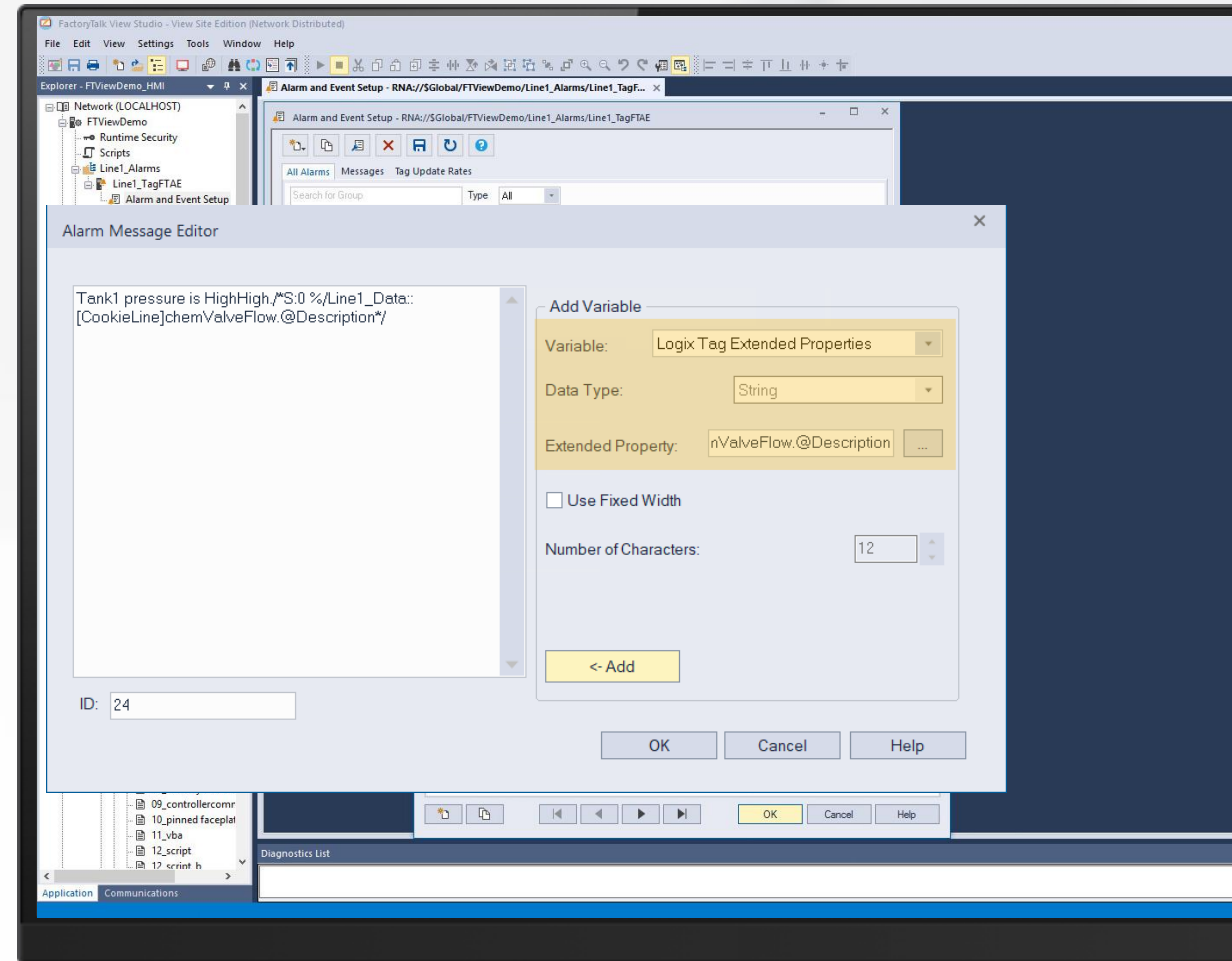
FactoryTalk® Alarms and Events v.6.31

Feature:

- Allow for the insertion of Logix extended tag properties into server-based alarm messages
- Enable multilingual message support during runtime language switching

Benefits:

- Alarm messages can seamlessly reference translated extended tag properties from the controller application via existing client language switching commands
- No additional translation required within alarm messages for extended tag properties



Alarm and Events Summary Live Data Value

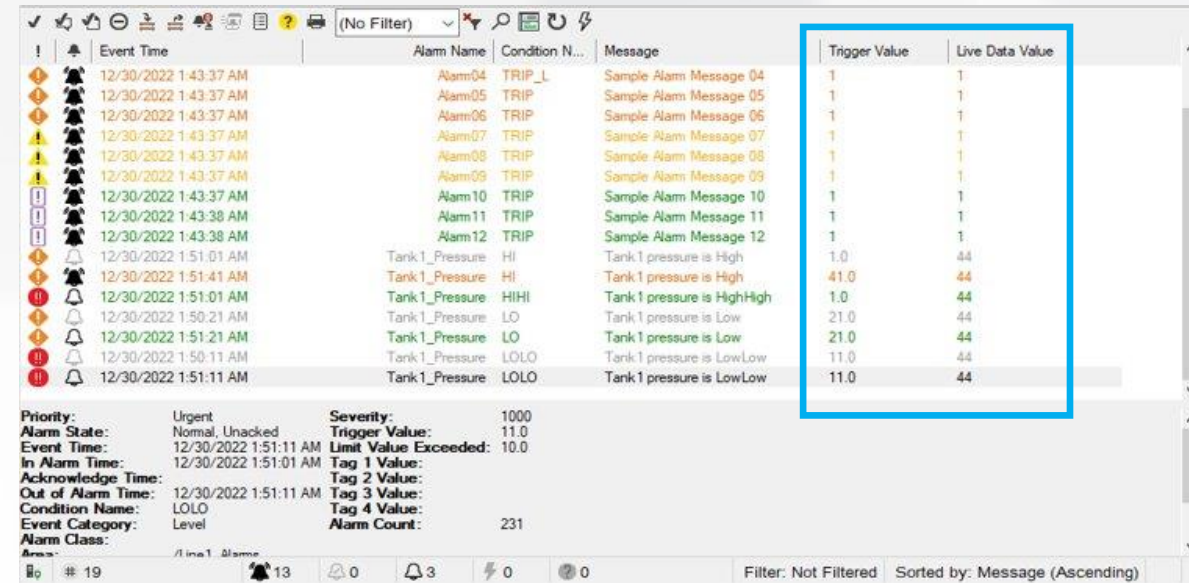
FactoryTalk® Alarms and Events v.6.40

Feature:

- Introduce a new column in the Alarm and Event Summary that dynamically updates to display LiveData values
- Support both Server-based and controller tag-based alarms for comprehensive compatibility

Benefits:

- Capture additional insight by displaying and evaluating both trigger and real-time values directly within the Alarm and Event Summary control
- Simplify operations and reduce complexity by eliminating the need for extra Live Data tag configurations on graphic displays



The screenshot displays the FactoryTalk Alarms and Events interface. A table lists various alarm events, including their times, names, conditions, and messages. A blue box highlights the 'Trigger Value' and 'Live Data Value' columns. The 'Live Data Value' column shows real-time values for different pressure levels (HI, HIHI, LO, LOLO) for 'Tank 1_Pressure'.

Event Time	Alarm Name	Condition N...	Message	Trigger Value	Live Data Value
12/30/2022 1:43:37 AM	Alarm04	TRIP_L	Sample Alarm Message 04	1	1
12/30/2022 1:43:37 AM	Alarm05	TRIP	Sample Alarm Message 05	1	1
12/30/2022 1:43:37 AM	Alarm06	TRIP	Sample Alarm Message 06	1	1
12/30/2022 1:43:37 AM	Alarm07	TRIP	Sample Alarm Message 07	1	1
12/30/2022 1:43:37 AM	Alarm08	TRIP	Sample Alarm Message 08	1	1
12/30/2022 1:43:37 AM	Alarm09	TRIP	Sample Alarm Message 09	1	1
12/30/2022 1:43:37 AM	Alarm10	TRIP	Sample Alarm Message 10	1	1
12/30/2022 1:43:38 AM	Alarm11	TRIP	Sample Alarm Message 11	1	1
12/30/2022 1:43:38 AM	Alarm12	TRIP	Sample Alarm Message 12	1	1
12/30/2022 1:51:01 AM	Tank 1_Pressure	HI	Tank1 pressure is High	1.0	44
12/30/2022 1:51:41 AM	Tank 1_Pressure	HI	Tank 1 pressure is High	41.0	44
12/30/2022 1:51:01 AM	Tank 1_Pressure	HIHI	Tank 1 pressure is HighHigh	1.0	44
12/30/2022 1:50:21 AM	Tank 1_Pressure	LO	Tank 1 pressure is Low	21.0	44
12/30/2022 1:51:21 AM	Tank 1_Pressure	LO	Tank 1 pressure is Low	21.0	44
12/30/2022 1:50:11 AM	Tank 1_Pressure	LOLO	Tank 1 pressure is LowLow	11.0	44
12/30/2022 1:51:11 AM	Tank 1_Pressure	LOLO	Tank 1 pressure is LowLow	11.0	44

Summary information at the bottom of the table:

- Priority: Urgent
- Alarm State: Normal, Unacked
- Event Time: 12/30/2022 1:51:11 AM
- In Alarm Time: 12/30/2022 1:51:01 AM
- Acknowledge Time:
- Out of Alarm Time: 12/30/2022 1:51:11 AM
- Condition Name: LOLO
- Event Category: Level
- Alarm Class: /Line1_Alarm
- Severity: 1000
- Trigger Value: 11.0
- Limit Value Exceeded: 10.0
- Tag 1 Value:
- Tag 2 Value:
- Tag 3 Value:
- Tag 4 Value:
- Alarm Count: 231

Additional Alarm and Events built-in functions

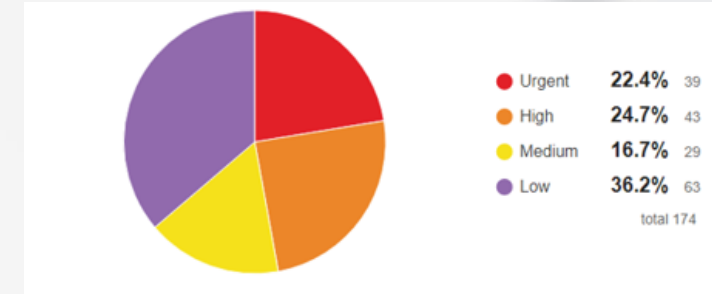
FactoryTalk® Alarms and Events v.6.40

Feature:

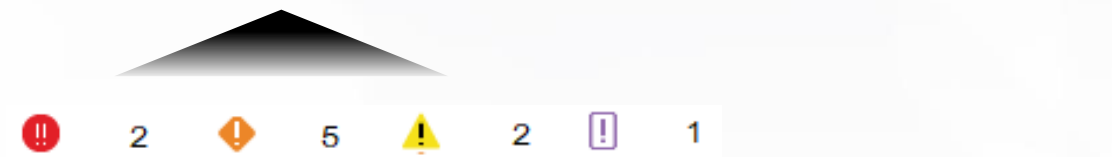
- Introducing new built-in functions in the Expression Editor:
 - AE_HistoryStatus("ServerName")
 - AE_ActiveUrgentUnAckAlarm(AlarmName)
 - AE_ActiveHighUnAckAlarm(AlarmName)
 - AE_ActiveMedUnAckAlarm(AlarmName)
 - AE_ActiveLowUnAckAlarm(AlarmName)

Benefits:

- Configure animations for dynamic alarm history status representation on screens and faceplates
- Create alarm metrics using priority distribution, aiding operators and system designers in making informed decisions



Event Time	Alarm Name	TriggerValue	Live Data Value	Message
6/4/2023 7:11:21 AM	Tank1_Pressure	21.0	36	Tank1 pressure is Low
6/4/2023 7:11:11 AM	Tank1_Pressure	11.0	36	Tank1 pressure is LowLow
6/4/2023 7:11:01 AM	Tank1_Pressure	1.0	36	Tank1 pressure is HighHigh
6/4/2023 7:11:01 AM	Tank1_Pressure	1.0	36	Tank1 pressure is High
6/4/2023 6:17:29 AM	[CookieLine]			Connection to controller CookieLine has been lost. (Server: R...
3/28/1999 12:28:32 PM	[CookieLine]Program:Main.Labeler_Motor	100000.0	103197.0	
3/28/1999 12:28:32 PM	[CookieLine]Program:Main.Filling_Valve_6b	1	1	
3/28/1999 12:27:42 PM	...rogram:Main.Blending_Discharge_Jam_Tank1	1	1	
3/28/1999 12:27:42 PM	[CookieLine]Program:Main.CIP_Supply_Motor	550000.0	603518.0	
3/28/1999 12:27:02 PM	[CookieLine]Program:Main.Filling_Valve_3a	1	1	
3/28/1999 12:26:36 PM	...ookieLine]Program:Packer.CP_NoGlue_Alarm	1	1	Case Packer - NO Glue in place Alarm. Replace cartridge.
3/28/1999 12:26:02 PM	[CookieLine]Program:Main.CIP_Supply_Motor	450002.0	603518.0	
3/28/1999 12:23:32 PM	...rogram:LabelerD.Alarm_Labeler1_Breakdown	0	0	
3/28/1999 12:23:32 PM	...e]Program:LabelerD.Alarm_Labeler1_Stopped	1	1	
3/28/1999 12:21:39 PM	...kieline]Program:Packer.CP_GlueTemp_Alarm	177.96507	72.00018	Case Packer - Glue Temperature Alarm - H. The limit is: 180.0.





ME Modernization

ME Transfer utility enhancement

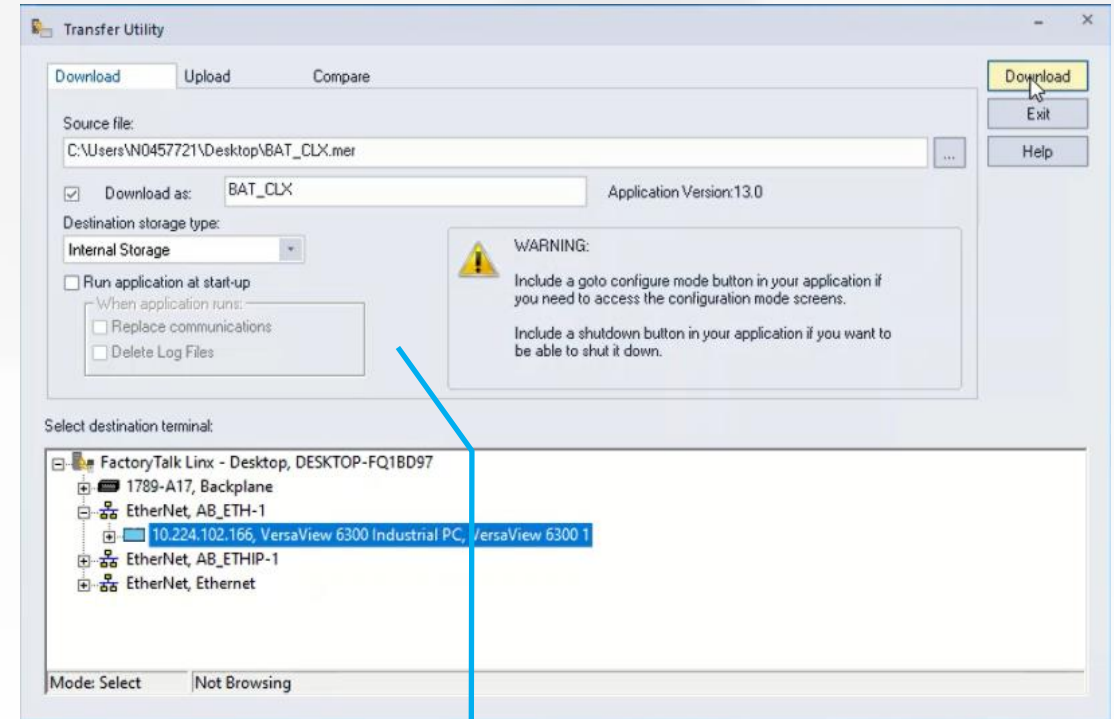
FactoryTalk® View Machine Edition v.14.00

Feature:

- The FactoryTalk® View ME V14.0 Transfer Utility (METU) offers seamless compatibility with the ASEM™ 6300 IPC, allowing for remote deployment of ME runtime project files (*.mer) directly to the

Benefits:

- Enhanced Productivity: METU simplifies and expedites the ME project deployment process onto the ASEM™ 6300 IPC, saving valuable time and effort.
- Usability: Transform your ASEM™ 6300 computer into a versatile human-machine interface, akin to the functionality of a PanelView™ Plus, for improved user interaction and control.
- Disaster Recovery: FactoryTalk® AssetCentre can back up the ME application running on an ASEM™ 6300 IPC using the enhanced METU ensuring continuity of your critical applications



FactoryTalk® Linx on ASEM™ 6300 reports new identity

Retain ActiveX Control version

FactoryTalk® View Machine Edition v.14.00

Feature:

- FactoryTalk® View ME ActiveX Control Version Stability
 - ActiveX control version will remain unchanged at v13.00 unless a feature is added.

Benefits:

- Enhanced Compatibility and Restoration
 - Resolve ActiveX control version compatibility issues
- Restore older ME runtime projects (*.mer) containing ME ActiveX controls on previous versions of ME Studio





License Simplification

FactoryTalk® View SE license simplification

New licensing tiers for the FactoryTalk® View SE portfolio to simplify buying decisions by including everything needed for a visualization solution in one part number

Station Lite	Station	Small	Medium	Large
<p>FactoryTalk® View SE Station</p> <ul style="list-style-type: none"> • 25 display count • Unlimited web clients 	<p>FactoryTalk® View SE Station</p> <ul style="list-style-type: none"> • Unlimited display count • Unlimited web clients 	<p>FactoryTalk® View SE Distributed</p> <ul style="list-style-type: none"> • HMI Server with Unlimited display count • 5 HMI Clients • Unlimited web clients 	<p>FactoryTalk® View SE Distributed</p> <ul style="list-style-type: none"> • HMI Server with Unlimited display count • 10 HMI Clients • Unlimited web clients 	<p>FactoryTalk® View SE Distributed</p> <ul style="list-style-type: none"> • HMI Server with Unlimited display count • 25 HMI Clients • Unlimited web clients

Two options for Station

- Station Lite – 25 displays with unlimited web clients
- Station – unlimited displays with unlimited web clients

With add-on option:

- FactoryTalk® View Studio Enterprise

Three options for Distributed

All options have unlimited displays and unlimited web clients, plus:

- Small – 5 full HMI Clients
- Medium – 10 full HMI Clients
- Large – 25 full HMI Clients

With add-on options:

- Additional HMI client, full or read-only
- FactoryTalk® View Studio Enterprise
- Redundant HMI Server



Operating System and
Microsoft SQL server
support for FactoryTalk[®]
View v.14.00



FactoryTalk

by **ROCKWELL AUTOMATION**



OS support

- Windows Server 2022 (64 bit)
- Windows Server 2019 (64 bit)
- Windows Server 2016 (64 bit)
- Windows Server 2012 R2 (64 bit)
- Windows 11 (64 bit)
- Windows 10 (64 bit)

Microsoft SQL server support

(for datalog & FactoryTalk® A&E)

- MSSQL 2022 (64 bit)
- MSSQL 2019 (64 bit)
- MSSQL 2017 (64 bit)
- MSSQL 2016 SP2 (64 bit)
- MSSQL 2014 SP3 (64 bit)
- MSSQL 2012 SP4 (64 bit)

No longer supported

- Windows Vista (8.00)
- Windows Server 2003 (8.00)
- Windows Server 2008 R2 (11.00)
- Windows Server 2012 (10.00)
- Windows 7 (12.00)
- Windows 8 & 8.10 (11.00)
- Windows 10 32 bit (12.00)

Latest operating system info can be found at the [Rockwell Automation Compatibility and Download Center](#)

Demo application: FactoryTalk® View SE distributed

The demo application included with FactoryTalk® View Studio Enterprise has been updated to include new v14.00 features

Walks a user through new features delivered in releases from v9.00 to v14.00

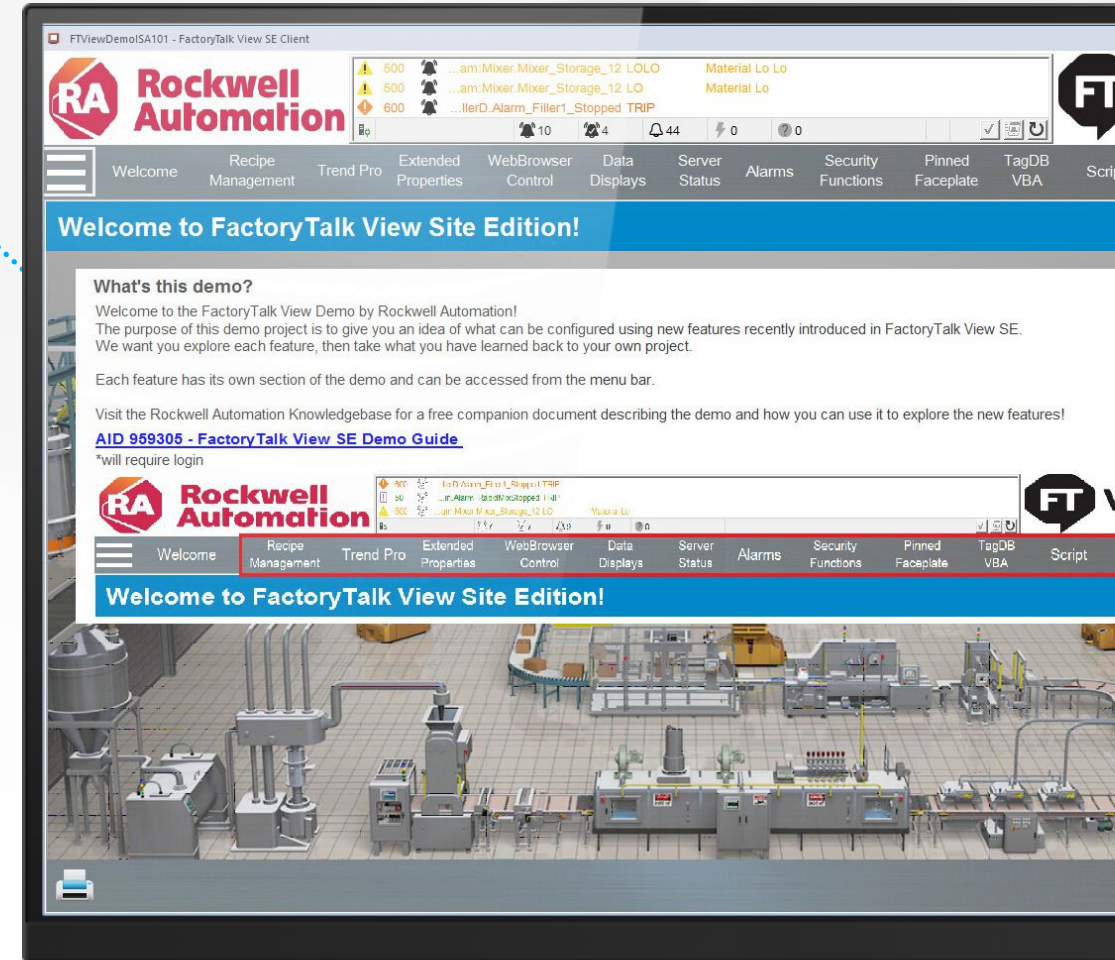
Automatically installed with FactoryTalk® View SE v14.00

Setup instructions included in .PDF found in HMI Projects folder

- How to link the demo to a controller
- Location of the .CLI file
- How to configure FactoryTalk® ViewPoint

.ACD file is also included in the HMI Project folder

Demo configured guide also found in [Knowledgebase](#)



YouTube video playlists

Rockwell Automation provides “how to” videos for various features in:

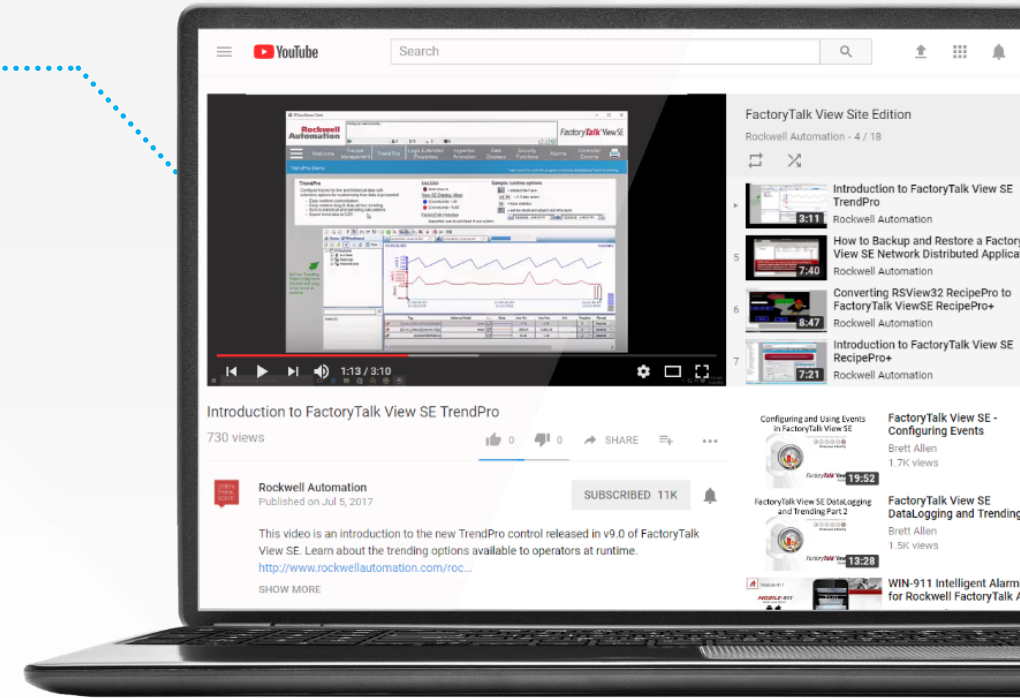
- FactoryTalk® View SE
- FactoryTalk® View ME with PanelView™ Plus 7
- View Designer with PanelView™ 5000
- And many other Rockwell Automation products

Videos created by Commercial Engineering to demonstrate product features and how they are configured

New content added monthly

YouTube playlist links:

- [FactoryTalk® View Site Edition](#)
- [PanelView™ Plus 7 and FactoryTalk® View Machine Edition](#)
- [FactoryTalk® AssetCentre](#)
- [PanelView™ 5000 and Studio 5000 View Designer®](#)



Thank you!



www.rockwellautomation.com



expanding **human possibility**[®]



AND MORE...

Expiring license notification

FactoryTalk View Site Edition v.14.00

Feature:

- Advance warning for license expiration
- Compatible with FactoryTalk View Studio (design time).
- Compatible with FactoryTalk View Runtime (runtime).

Benefits:

- Early notification during design and runtime phases
- Ensures uninterrupted operations
- Refreshes every 24 hours
- Flexibility to suppress future reminders as needed

Your FactoryTalk View licenses will expire soon. Please review your license details in the FactoryTalk Activation Manager.

Close

Don't remind me again

Encrypt database connection using TLS

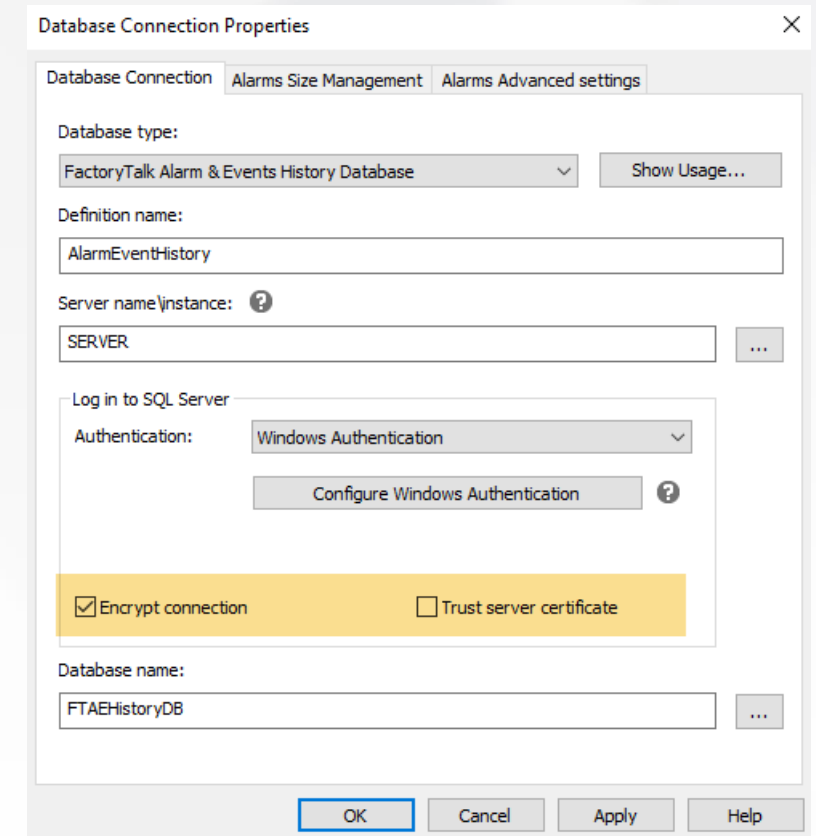
FactoryTalk Alarms and Event v.6.31

Feature:

- Encrypt connection
 - Option to forces encryption of the connection

Benefits:

- Enhanced Data Security
 - Protects sensitive data from unauthorized access
 - Reduces the risk of data breaches
- Data Integrity
 - Ensures accurate and reliable data transmission
 - Minimizes the risk of data corruption or tampering
- Compliance Assurance
 - Aligns with industry security standards and regulations
 - Helps maintain legal and regulatory compliance



The screenshot shows the 'Database Connection Properties' dialog box with the 'Database Connection' tab selected. The 'Database type' is set to 'FactoryTalk Alarm & Events History Database'. The 'Definition name' is 'AlarmEventHistory'. The 'Server name\instance' is 'SERVER'. The 'Authentication' is set to 'Windows Authentication'. The 'Encrypt connection' checkbox is checked, and the 'Trust server certificate' checkbox is unchecked. The 'Database name' is 'FTAHistoryDB'. The dialog box has 'OK', 'Cancel', 'Apply', and 'Help' buttons at the bottom.

Resize Expression Editor

FactoryTalk® View Site Edition v.14.00

Feature:

- Enlarged editor size of Expression Editor
 - Numeric Display
 - String Display
 - Arrow Properties
- Enable resizable dialogs for:
 - Expression Editor
 - Events and Derived Tag

Benefits:

- Enhanced User Experience
- Improved Readability
- Efficient Troubleshooting
- Faster Configuration

