



ADISRA RapidView™

Getting Started Guide

RapidView bridges the gap between industrial visualization and ease of use by enabling anyone, from maintenance technicians and operators to engineers and system integrators, to build industrial HMI applications in minutes instead of days.



Connect Industrial Devices



Visualize Real-time Data



Build Professional Operator Interfaces



Manage Alarms and Events



Analyze Historical Trends



Create Recipes and Reports



Access Anywhere via Web

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Introduction

Welcome to ADISRA RapidView™

Welcome to ADISRA RapidView™, a powerful yet easy-to-use **no-code industrial HMI application builder** designed to help you quickly connect to industrial devices, visualize real-time data, and create professional operator interfaces—without requiring extensive engineering expertise.

RapidView simplifies the development of Human-Machine Interface (HMI) applications by providing a library of preconfigured devices, built-in dashboards, reusable templates, recipe management, historical trending, alarms, and reporting capabilities. Whether you are monitoring a single machine, a production line, or an entire facility, RapidView enables you to create industrial applications quickly **without having to learn a traditional HMI/SCADA development environment**.

Unlike traditional HMI software that often requires significant configuration before any results can be seen, RapidView provides a streamlined workflow that allows you to:

- Connect to industrial devices quickly using Ready-to-Use Devices or custom device configurations.
- Automatically create and configure process tags.
- Design professional dashboards using built-in graphical templates.
- Monitor real-time process data, alarms, and historical trends.
- Create and manage recipes for production applications.
- Export historical data for reporting and analysis.
- Access applications securely through a standard web browser.

RapidView was designed for engineers, system integrators, OEMs, machine builders, and industrial end users who need an intuitive solution for developing industrial visualization applications while minimizing engineering time.

What You Will Learn

This Getting Started Guide walks you through the complete process of creating your first RapidView application. By the end of this guide, you will know how to:

- Log in and navigate the RapidView environment.
- Configure users, security, and application settings.
- Create database connections.
- Add Ready-to-Use Devices and custom devices.
- Import PLC tags automatically or from CSV files.
- Create dashboards and pop-up screens.
- Build operator interfaces using RapidView templates.
- Configure alarms and historical trends.
- Create and manage recipes.
- Export process data.
- Publish applications for web access.

By completing these steps, you will have a fully functional industrial HMI application capable of monitoring and interacting with your industrial process.

Before You Begin

Before starting this guide, make sure you have:

- ADISRA RapidView installed on your computer.
- A valid RapidView license.
- A supported PLC or Ready-to-Use Device (or sample project).
- Network access to your controller or simulator.
- Basic familiarity with industrial automation concepts such as PLCs, tags, and IP addresses.

Chapter 1 – Getting Started with RapidView

Launching RapidView

After installing RapidView, launch the application from the Windows Start menu or desktop shortcut. When RapidView opens, the main application window is displayed, providing access to the tools you will use to build and manage your HMI applications.

RapidView has been designed around a simple, intuitive workflow that allows you to configure devices, create dashboards, design operator interfaces, and deploy applications with minimal engineering effort.

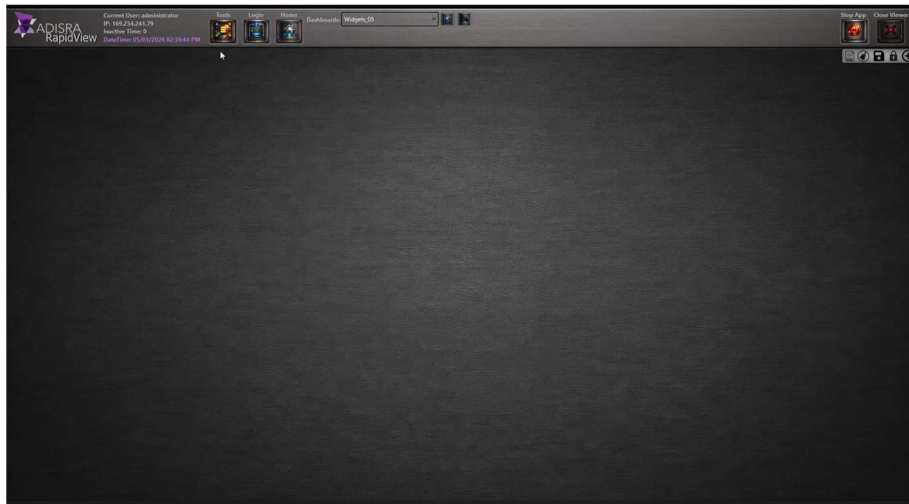


Figure 1-1. RapidView Initial Startup Screen

Logging In

Before configuring an application, log in using one of the predefined user profiles. Click the **Login** button on the toolbar to display the login dialog.

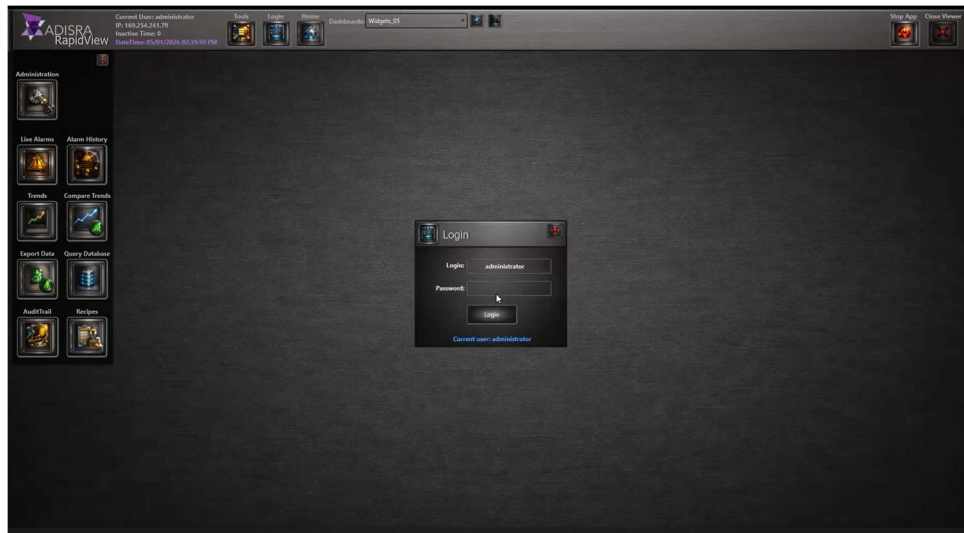


Figure 1-2. RapidView Login Screen

RapidView includes three predefined security profiles:



Figure 1-3. RapidView Predefined Security Profiles

Administrator

The **Administrator** profile provides complete access to the RapidView development environment. Administrators can:

- Configure application settings
- Add and configure devices
- Create dashboards and templates
- Manage users and security
- Configure database connections
- Create recipes
- Manage alarms and historical data
- License the application

This guide uses the **Administrator** profile for all examples and procedures.

Operator

The **Operator** profile is intended for day-to-day operation of the application. Operators can:

- Monitor process values
- Change authorized setpoints
- Acknowledge alarms
- Operate buttons and controls
- Load recipes

Operators cannot modify the application's configuration.

Guest

The **Guest** profile is designed for users who only need to monitor the application. Guests can view process information and interact with displays where permitted but cannot modify application settings or process values.

Understanding Security Profiles

RapidView uses **profiles** to control what each user can see and do within an application. A profile is a collection of permissions that determines access to screens, devices, data, and application features.

By assigning users to the appropriate profile, administrators can ensure that each person has the level of access required for their role while protecting critical system configuration from unauthorized changes.

Next Step

Now that you are logged in as an **Administrator**, you are ready to configure your first RapidView application.

In the next chapter, you will learn how to configure the application environment, including security, database connections, licensing, and system settings before creating your first device.

Chapter 2 – Configuring the Application

After logging in as an **Administrator**, the next step is to configure the RapidView application. The **Administration** screen serves as the central location for configuring system settings, managing users, connecting to databases, licensing the software, and controlling the features available to each user.

Before creating devices and dashboards, it is recommended that you review and configure these settings to ensure your application is properly secured and connected to the required data sources.



Figure 2-1. Administration Screen

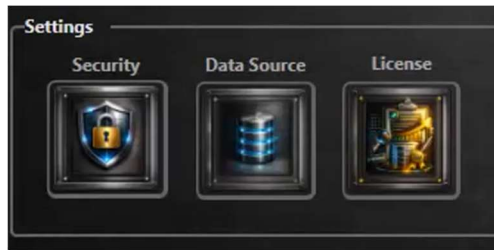


Figure 2-2. Administration Settings

Configuring Security

Security is an important part of every RapidView application. From the **Security** window, administrators can create user accounts, assign users to the predefined **Administrator**, **Operator**, or **Guest** profiles, and control access to application features.

Using the Security tools, you can:

- Create new user accounts
- Modify existing users
- Delete users
- Change or reset passwords
- Assign users to security profiles
- Manage user access permissions

By assigning users to the appropriate profile, you can ensure that each user has access only to the features required for their role while protecting critical application settings from unauthorized changes.



Figure 2-3. Security Configuration

Configuring Data Sources

RapidView stores application history, recipes, alarms, and other operational data in a database. The **Data Source** configuration allows you to select the database provider and manage database connections.

By default, RapidView uses **SQLite**, making it easy to get started without installing a separate database server. As your application grows, you can configure RapidView to use other supported database systems.



Figure 2-4. Configuring Data Source

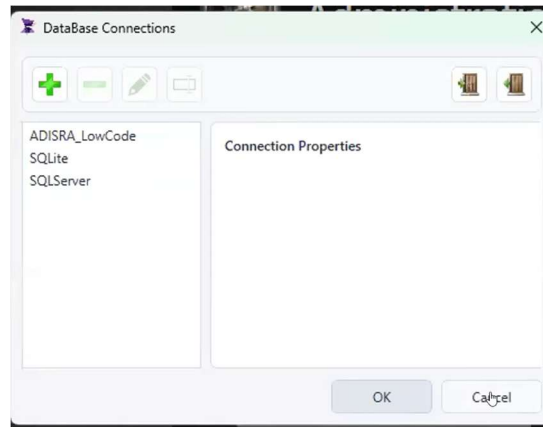


Figure 2-5. Connecting to External Databases

Licensing RapidView

The License window allows you to activate and manage your RapidView license directly from within the application.

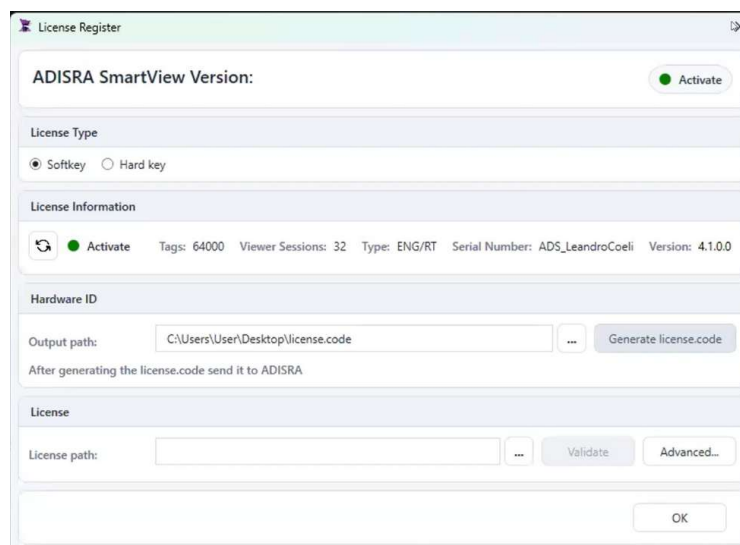


Figure 2-6. Licensing RapidView

RapidView is licensed using a single runtime license based on the number of tags in the RapidView application, making licensing simple and straightforward. Once activated, you can immediately begin building and deploying your HMI application without worrying about multiple license options or feature tiers.

As your application requirements grow, you can easily expand beyond RapidView by purchasing an ADISRA SmartView™ development license. Because RapidView is built on the ADISRA SmartView platform, your existing RapidView project can be opened directly in ADISRA SmartView, giving you access to its advanced capabilities, including:

- Advanced HMI/SCADA development
- Scripting and custom logic
- Expanded industrial connectivity
- Advanced reporting
- Built-in machine learning
- Rule-based expert systems
- Enterprise-scale application development

This seamless migration path protects your investment by allowing your application to evolve as your operational needs grow, without requiring you to rebuild your project from scratch.

Next Step – Configuring Your Device

Once the administration settings have been configured, you are ready to begin building your application.

The following chapter explains how to configure Ready-to-Use Devices and create custom devices for your application.

Chapter 3 – Configuring Your Device

Now that you have configured the RapidView environment, you are ready to configure your first device.

RapidView is built around the concept of **devices**. A device represents the hardware that RapidView communicates with, such as a PLC, power meter, Remote I/O module, HMI panel, or other industrial equipment. Once a device is configured, RapidView automatically creates the tags needed to monitor and control the process, allowing you to begin building dashboards and operator interfaces immediately.

To open the **Devices** configuration screen, click the **Device** button on the **Administration** screen.



Figure 3-1. Devices Configuration Screen

Adding a Ready-to-Use Device

RapidView includes a growing library of **Ready-to-Use Devices** that significantly reduces engineering time by automatically configuring communications and creating process tags.

These preconfigured devices include commonly used industrial equipment such as:

- Power Meters
- Remote I/O (RIO) modules
- Industrial controllers
- Additional devices that will continue to be added in future releases

Each Ready-to-Use Device includes predefined communication settings, addressing, data types, tag definitions, and engineering parameters, allowing you to begin collecting data with minimal configuration.

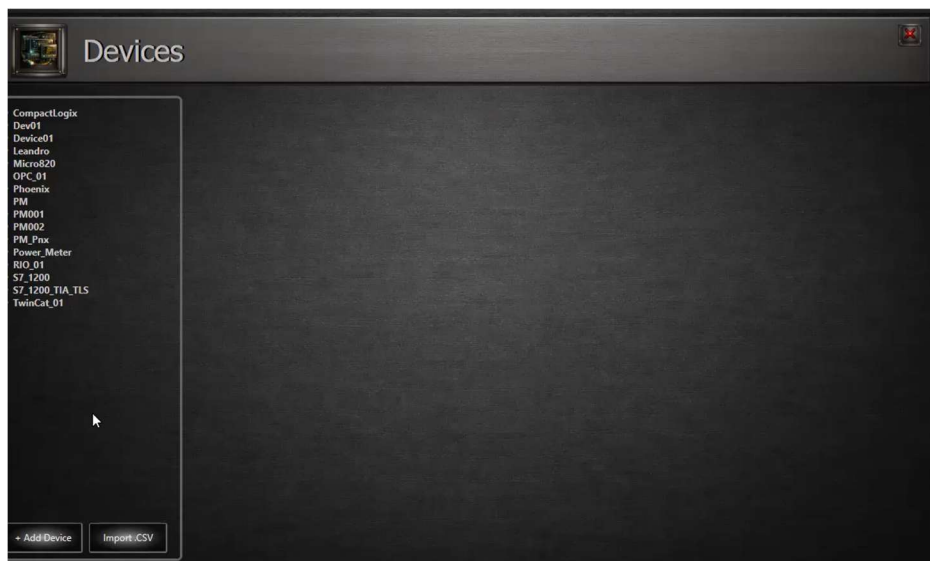


Figure 3-2. List of Preconfigured Devices

Creating a Power Meter Device

In this example, you will create a Power Meter device.

1. Click **Add Device**.



Figure 3-3. Add device

2. Select **Power Meter** from the Ready-to-Use Devices list.

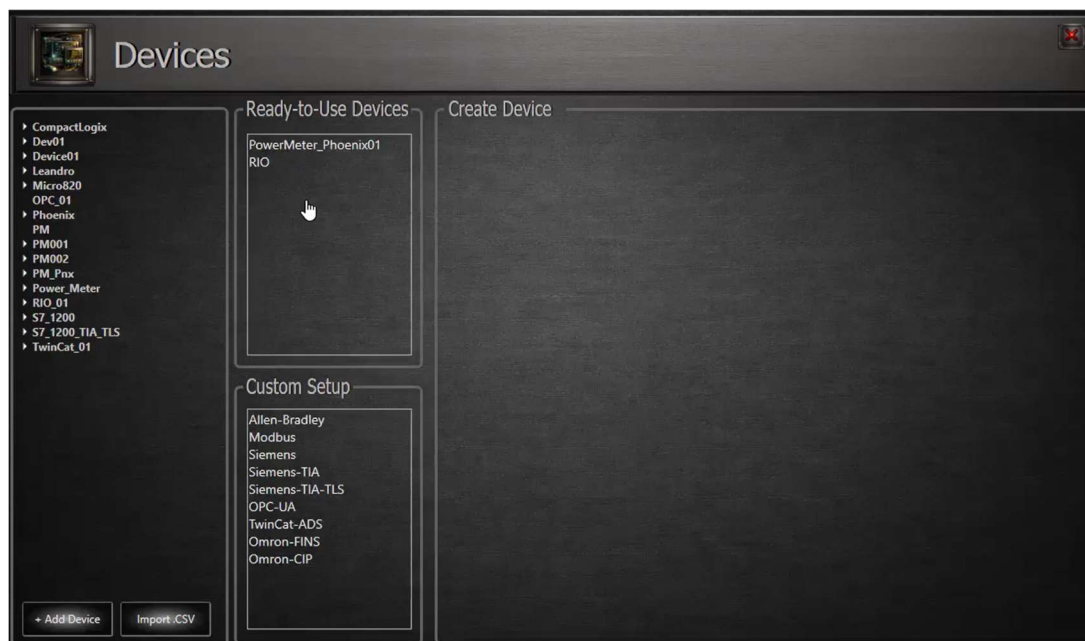


Figure 3-4. Add PowerMeter

3. Enter the device name **ADISRA_PM**.
4. Enter the device IP address **192.168.1.15**.
5. Set the **History Update Rate** to **20 seconds**.
6. Select the database where historical data will be stored.
7. Click **Create Device**.

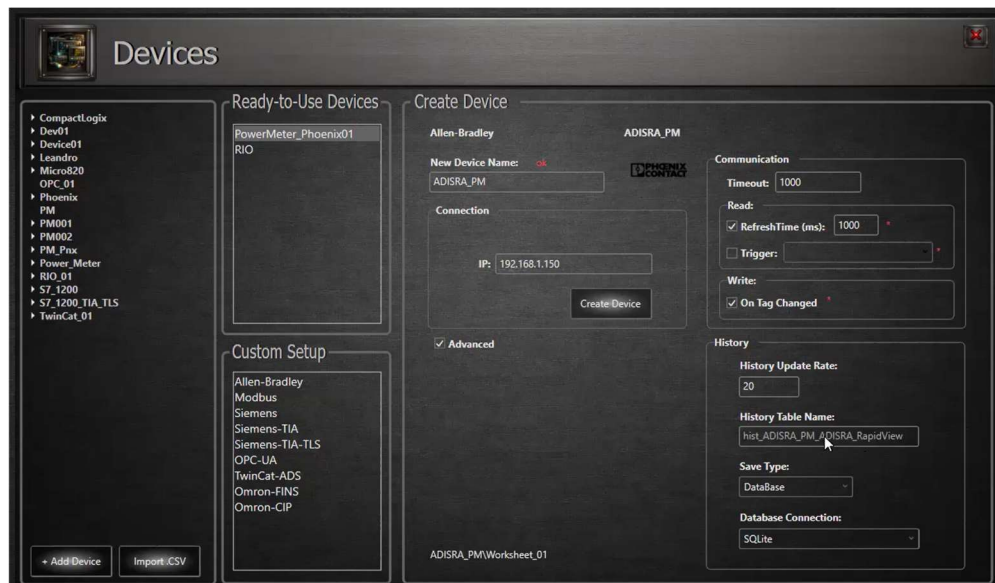


Figure 3-5. Create the Device

After the device has been created, it is automatically added to the Devices list and is immediately available for use within your application.

Automatic Tag Generation

One of RapidView's advantages is that it automatically creates the tags associated with a Ready-to-Use Device.

For example, selecting the **ADISRA_PM VoltageVAB** tag displays its automatically generated configuration.



Figure 3-6. List of Tags Associated with the Device Selected



Figure 3-7. Automatic Tag Generation

RapidView automatically configures:

- Tag name
- Data type
- Engineering units
- Minimum and maximum values
- Alarm settings
- Communication parameters
- Tag descriptions
- Historical data settings

Although these properties are created automatically, every setting remains fully editable. Administrators can modify any parameter, alarm limit, engineering range, or communication property to meet the specific requirements of their application.

Creating a Custom Device

In addition to Ready-to-Use Devices, RapidView allows you to create custom devices for virtually any supported controller.

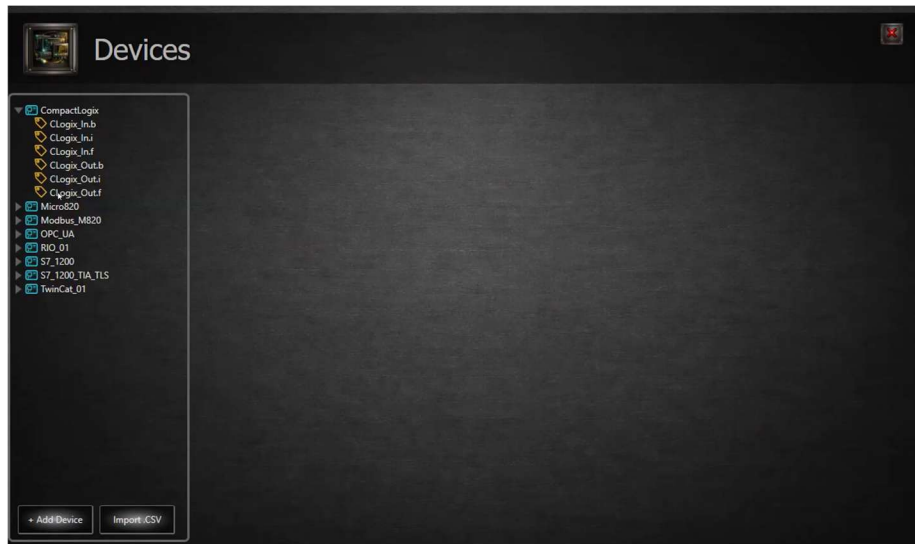


Figure 3-8. List of Supported Devices

To create a custom device:

1. Click **Add Device**.
2. Select the appropriate communication driver.
3. Choose the controller type.

For this example, select **Allen-Bradley CompactLogix**.



Figure 3-9. Select Allen-Bradley CompactLogix

Enter the following information:

- Device Name
- Communication Driver
- Controller Model
- PLC IP Address

After entering the required information, click **Create Device**.

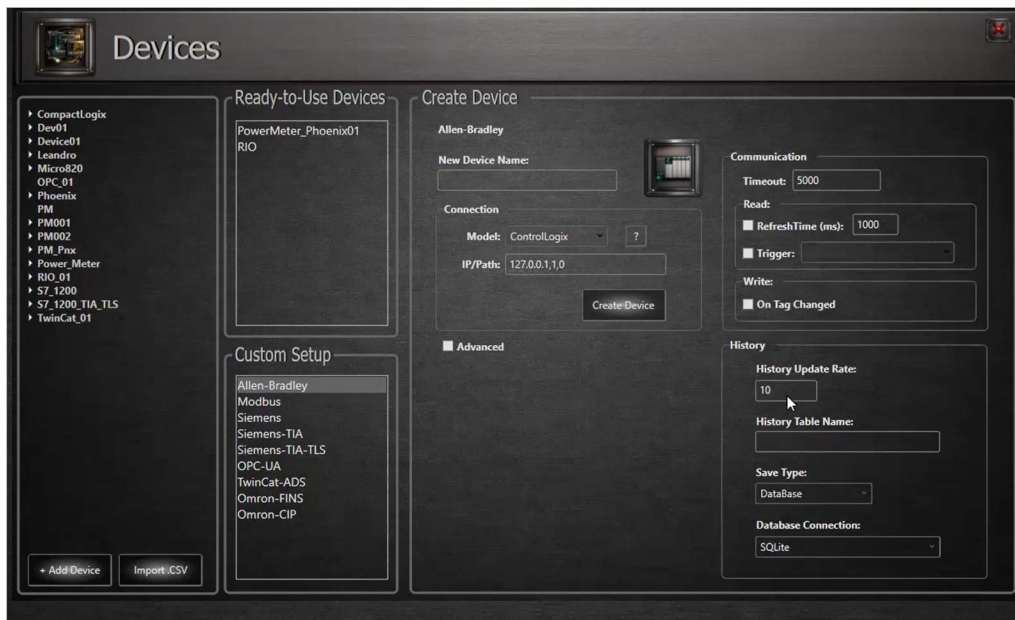


Figure 3-10. Create Device

RapidView automatically creates the device and prepares it for communication.

Configuring Device Communications

Each device includes communication settings that can be adjusted to match your application requirements.

Timeout

Specifies how long RapidView waits before attempting to reconnect if communication with the device is interrupted.

For example, a timeout value of **10,000 milliseconds** causes RapidView to retry communication every **10 seconds** until the connection is restored.

Read Status

Displays the current status of communications between RapidView and the device.

This indicator can be used to quickly determine whether the device is communicating successfully.

Write on Change

When enabled, RapidView writes values only when a tag changes.

This feature reduces unnecessary network traffic while improving communication efficiency.

Configuring Historical Data

RapidView can automatically collect and store historical process information.

The following settings control how historical data is recorded:

Setting	Description
---------	-------------

Setting	Description
History Update Rate	Specifies how often historical values are recorded.
History Table Name	Defines the database table used to store historical data.
Storage Type	Selects whether history is stored in the RapidView database or an external database.
Database Connection	Specifies the database connection used for historical storage.

These settings allow RapidView to record process history for trending, reporting, and analysis.

Importing PLC Tags

RapidView also supports automatic PLC tag import.

Instead of creating tags manually, administrators can import controller tag definitions directly from the PLC, dramatically reducing engineering time while minimizing manual entry errors.



Figure 3-11. Select Allen Bradley

After the tags have been imported, selecting any tag displays its configuration, where properties, communication settings, and alarm definitions can be reviewed or modified.



Figure 3-12. Select ControlLogix

Importing Tags from a CSV File

In addition to importing tags directly from a PLC, RapidView allows you to quickly create tags by importing them from a **Comma-Separated Values (.CSV)** file.

The **Import CSV** feature is ideal when tag definitions have already been documented in a spreadsheet or exported from another engineering tool. Instead of manually creating each tag, administrators can import hundreds or even thousands of tags in just a few seconds, significantly reducing engineering time and minimizing manual entry errors.

To import tags from a CSV file:

1. Click the **Import CSV** button.
2. Browse to and select the CSV file containing the tag definitions.
3. Review the imported tag information.
4. Click **Import** to create the tags.

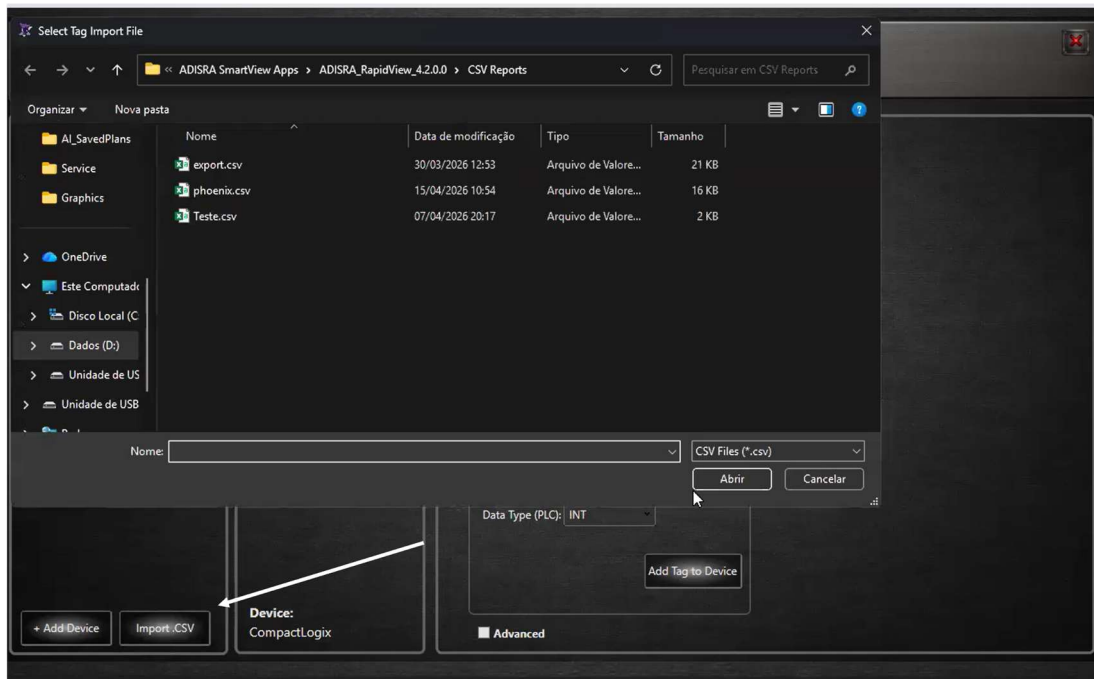


Figure 3-13. Importing Tags from a CSV File

After the import is complete, the tags are automatically added to the device and are immediately available for use in dashboards, templates, alarms, historical trending, recipes, and other RapidView features.

Chapter 4 – Creating Dashboards

Now that you have configured your devices and imported your tags, you are ready to create an operator interface for your application.

A **dashboard** is the primary workspace where operators monitor process information, view alarms, analyze trends, and interact with equipment. Dashboards organize process data into a clear and intuitive visual interface, allowing operators to quickly understand the current state of a machine or process.

To begin, click the **Dashboard** button from the Administration screen.



Figure 4-1. Dashboard Configuration Screen

Creating a Dashboard

After selecting **Dashboard**, the Dashboard configuration screen is displayed. This is where you define the layout and behavior of your application screens.

RapidView includes a library of **preconfigured dashboards** that can be used immediately or customized to meet the specific requirements of your application. These predefined layouts provide an excellent starting point and can significantly reduce development time.

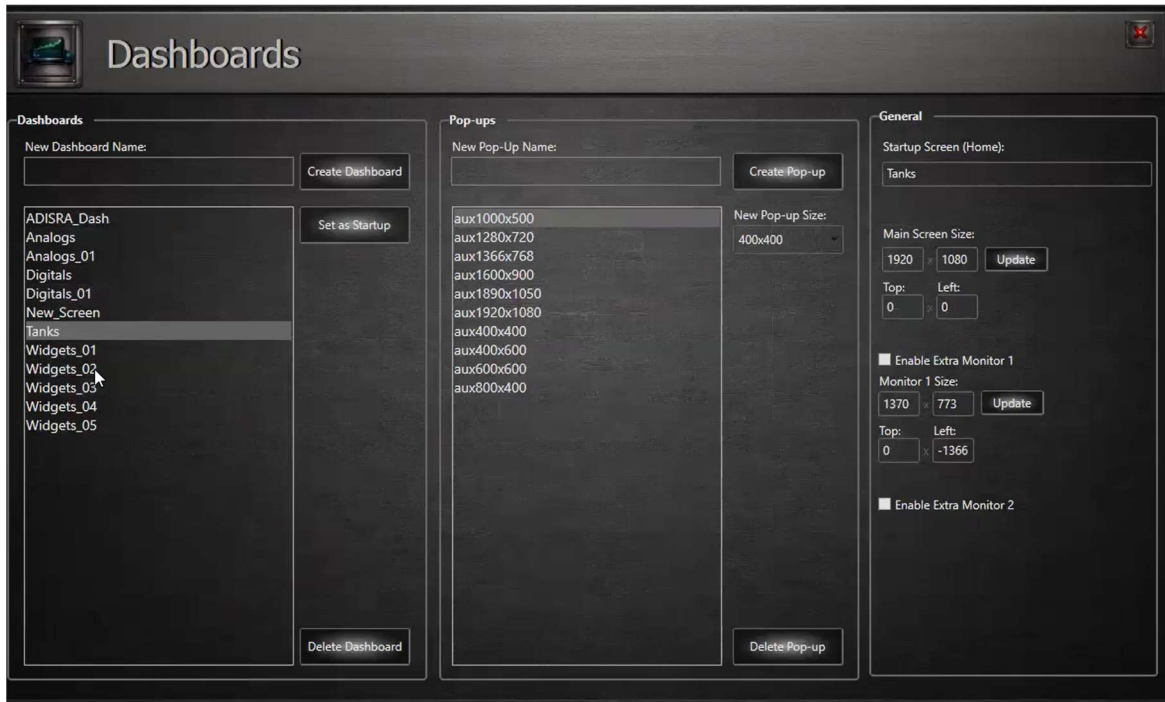


Figure 4-2. Dashboard Templates

Whether you are creating an application for a single machine or an entire production line, dashboards provide the foundation for organizing process information and presenting it to operators in a meaningful way.

Configuring the Main Application Window

The Dashboard configuration window allows you to define the size of the application's main window.

Selecting the appropriate screen size ensures that your application is optimized for the target display, whether it is running on an industrial HMI panel, desktop computer, or widescreen monitor.

RapidView also supports **multi-monitor operation**, allowing applications to display information across two or three monitors. This enables operators to dedicate separate displays to process graphics, alarms, trends, or production data, improving visibility and operational efficiency.

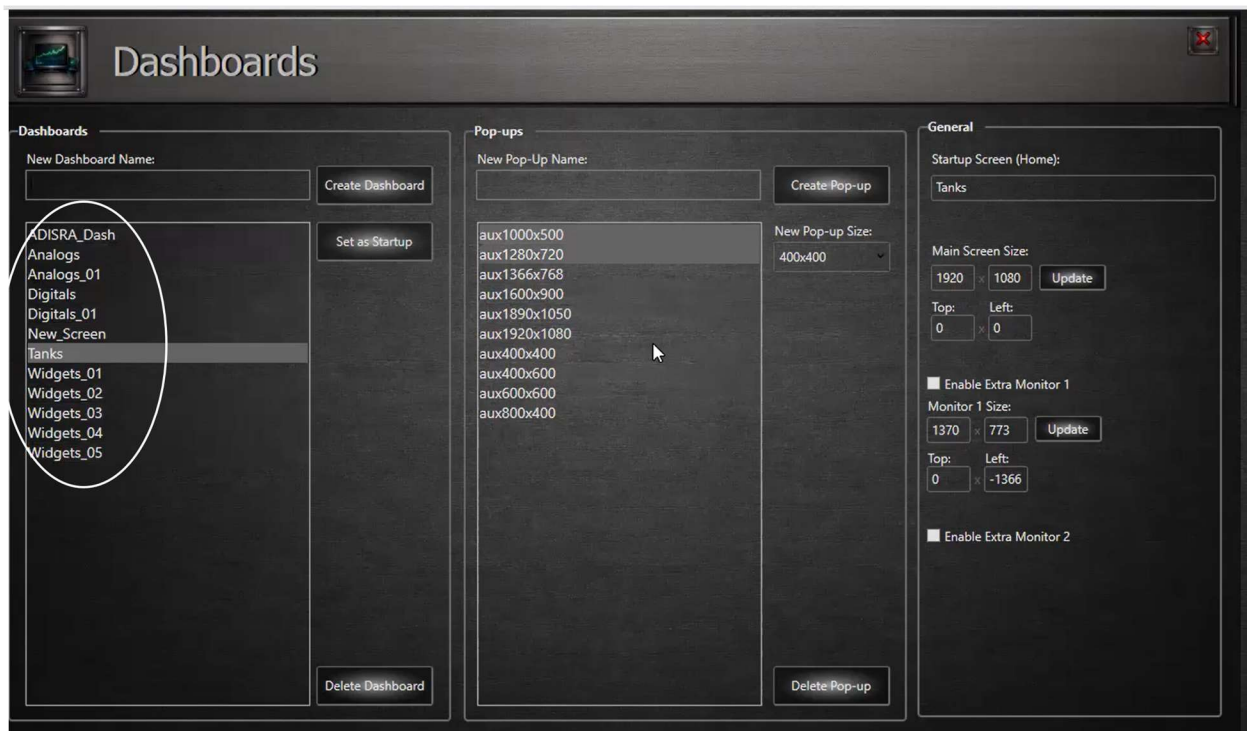


Figure 4-3. Main Window Configuration

Creating Pop-Up Windows

In addition to the main dashboard, RapidView allows you to create **pop-up windows** that provide additional process information without requiring operators to navigate away from the primary display.

A pop-up window is an independent screen that appears over the main application when activated by a button, graphic object, or other user action. Pop-ups are commonly used to display:

- Detailed equipment information
- Device diagnostics
- Alarm details
- Setpoint adjustments
- Recipe configuration
- Maintenance information

Using pop-up windows helps keep the main dashboard clean and uncluttered while providing quick access to additional information when needed.

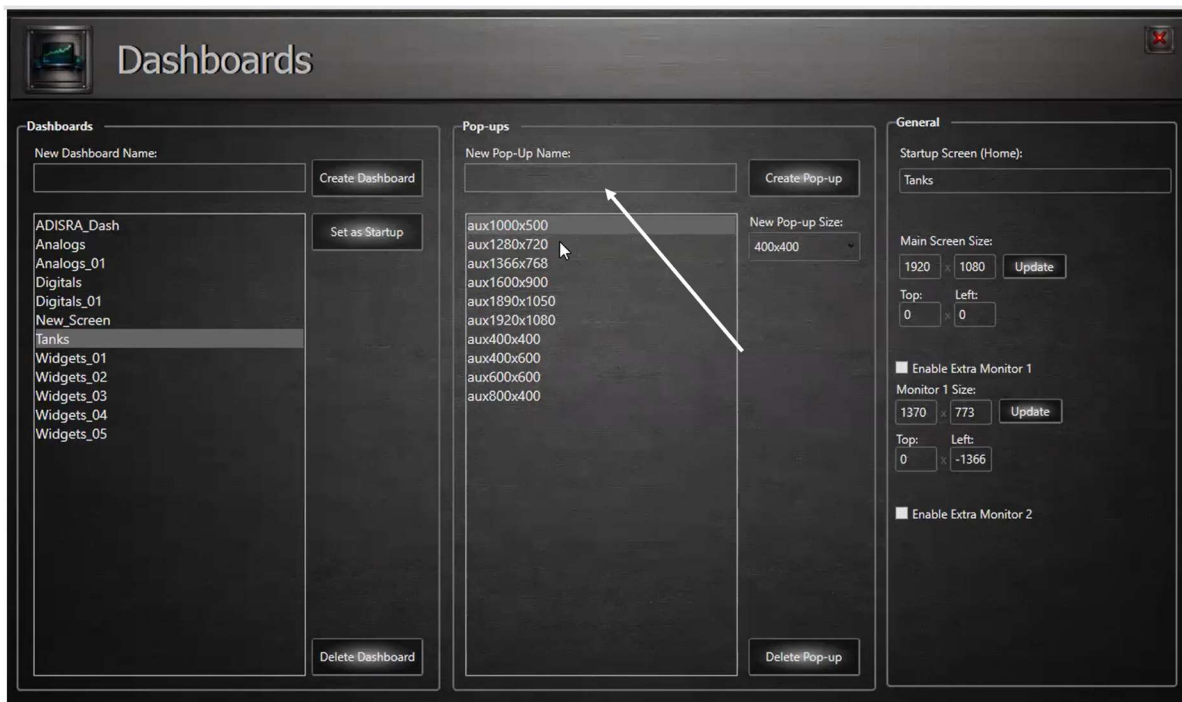


Figure 4-4. Pop-Up Configuration

Configuring Pop-Up Size

Each pop-up window has its own configurable dimensions.

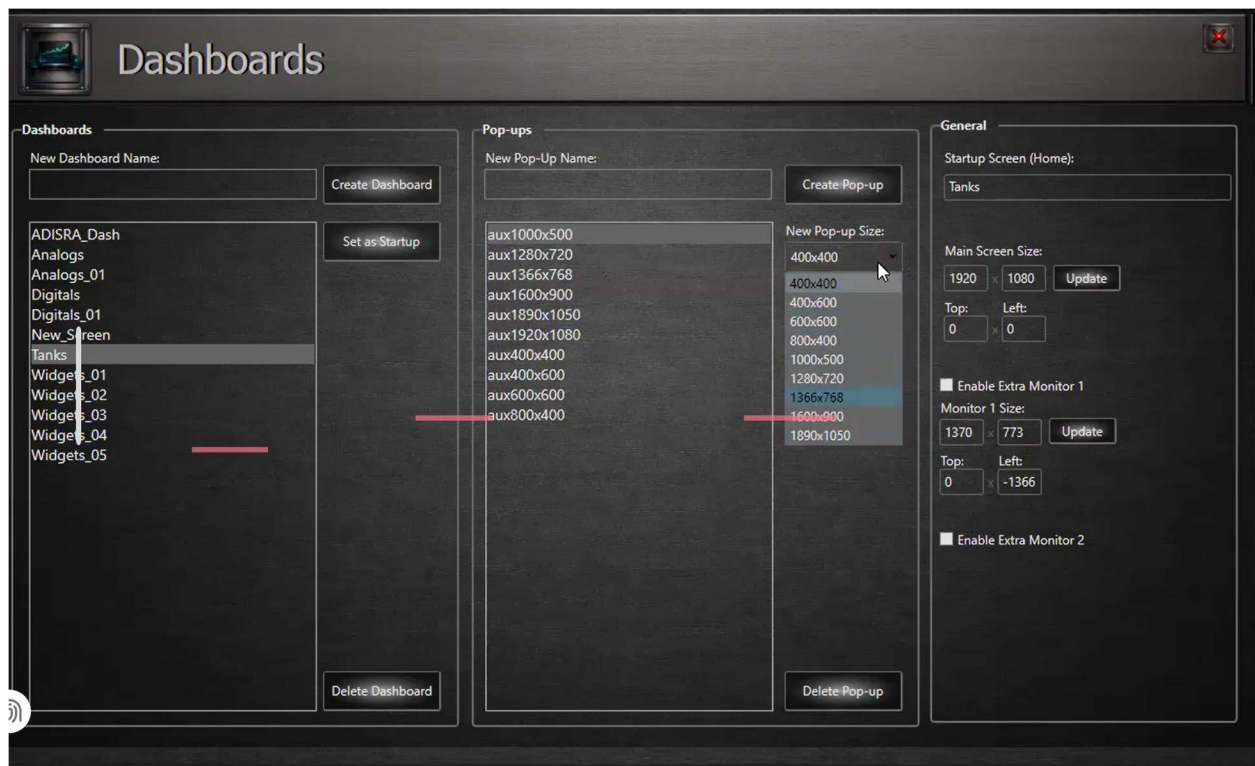


Figure 4-5. Pop-Up Size

By specifying the width and height of the pop-up, you can create windows that are appropriately sized for the information being displayed. Smaller pop-ups work well for operator controls and status information, while larger pop-ups can display detailed graphics, trends, or configuration screens.

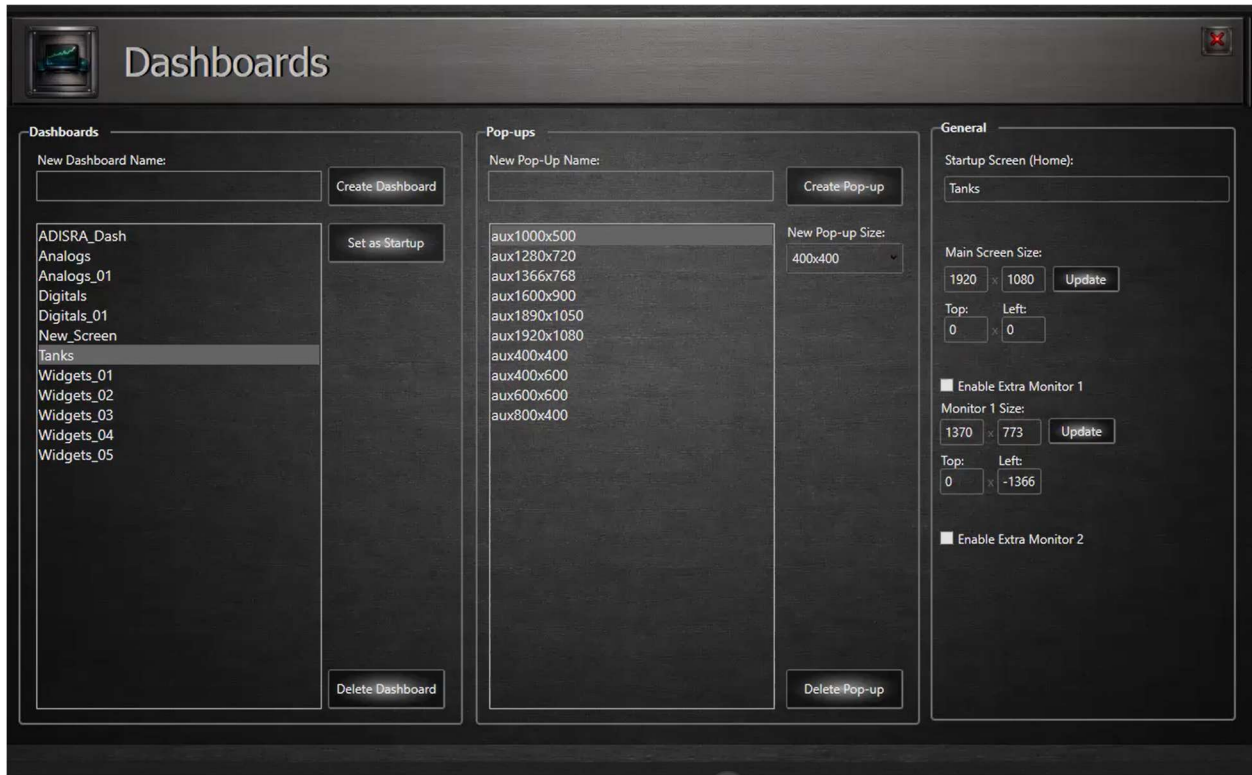


Figure 4-5. Pop-Up Configuration

Dashboard Design Best Practices

When designing dashboards, keep the operator's workflow in mind. A well-designed dashboard should present the most important information clearly and minimize unnecessary navigation.

Consider the following recommendations:

- Display the most critical process information on the main dashboard.
- Use pop-up windows for detailed configuration and diagnostics.
- Group related information together.
- Maintain a consistent layout throughout the application.
- Reserve additional monitors for trends, alarms, or production summaries when available.

Following these guidelines helps create applications that are intuitive, efficient, and easy for operators to use.

Chapter 5 – Creating and Managing Recipes

Many manufacturing processes require operators to repeatedly produce different products or product variations. Rather than manually entering the same operating parameters each time a production change occurs, RapidView allows administrators to create **recipes** that automatically configure the process using predefined values.

A **recipe** is a collection of process parameters, such as temperatures, pressures, speeds, timers, setpoints, or ingredient quantities, that are stored together under a single name. Loading a recipe automatically updates the associated process values, ensuring consistent operation while reducing setup time and minimizing operator errors.

Recipes are commonly used in applications such as:

- Food and beverage production
- Batch processing
- Packaging lines
- Pharmaceutical manufacturing
- Chemical processing
- Water and wastewater treatment

Using recipes helps improve product consistency, reduce production changeover time, and simplify machine operation.

To begin creating or managing recipes, click the **Recipe** button from the Administration screen.



Figure 5-1. Recipe Configuration

Understanding the Recipe Editor

Selecting the **Recipe** button opens the Recipe Editor, where administrators can create, modify, organize, and manage recipes for their application.

The Recipe Editor is divided into several sections, each serving a specific purpose.



Figure 5-2. Recipe Editor

1. Recipe Templates

The **Recipe Templates** section displays the available recipe templates for the application.

A template defines the structure of a recipe by identifying the tags that belong to it. In this example, the **MixingTank** template has been selected.

2. Available Tags

Once a recipe template is selected, the **Available Tags** list displays all of the process tags that can be included in the recipe.

In this example, the **MixingTank** template has been selected. The available tags represent the operating parameters that define how the mixing process will run. Typical tags include:

- Agitator speed
- Filling level
- Cooling enabled
- Heating enabled
- Ingredient A quantity
- Ingredient B quantity
- Ingredient C quantity
- Mixing time
- Target temperature

These process parameters are combined to create a recipe that can be recalled whenever a specific mixing process or product needs to be produced.

3. Selected Tags

Tags can be moved from the **Available Tags** list to the **Selected Tags** list.

Only tags in the **Selected Tags** section become part of the recipe and are saved when the recipe is created.

This allows administrators to include only the parameters required for a particular production process.

4. Recipe Definitions

The **Recipe Definitions** section contains the list of recipes associated with the selected template.

For the **MixingTank** template, three recipes have been created:

- Cold Mix
- High Viscosity Mix
- Standard Mix

Each recipe stores a unique combination of process parameters, including agitator speed, ingredient quantities, mixing time, and target temperature, allowing operators to quickly switch between different production processes with a single click.

5. Recipe Values

When a recipe is selected, RapidView displays both the **Recipe Value** and the **Current Value** for each process parameter. This side-by-side comparison allows administrators and operators to verify the configured settings before loading the recipe into the process.

For example, selecting the **Cold Mix** recipe displays the configured values for:

- Agitator Speed
- Cooling Enabled
- Filling Level
- Heating Enabled
- Ingredient A Quantity
- Ingredient B Quantity
- Ingredient C Quantity
- Mixing Time
- Target Temperature

Comparing the configured recipe values with the current process values helps ensure that the correct settings are applied before production begins, reducing setup errors and improving product consistency.

Managing Recipes

RapidView provides a complete set of tools for managing recipes throughout the production lifecycle.

Administrators can:

- Create new recipes
- Modify existing recipes
- Rename recipes
- Delete obsolete recipes
- Load recipes into the running application
- Compare configured values with current process values

These capabilities make it easy to maintain and update production configurations as process requirements change.

Benefits of Using Recipes

Recipe management offers several important advantages for industrial applications:

- Standardizes production parameters across operators and shifts.
- Reduces setup and product changeover time.
- Minimizes operator input errors.
- Improves product quality and process consistency.
- Simplifies batch and product management.
- Increases overall production efficiency.

By storing process parameters in reusable recipes, RapidView helps ensure that equipment is configured consistently every time a product is manufactured.

In the next chapter, you will learn how to use the **DB Manager** to view historical data, execute SQL queries, and manage your application's database.

Chapter 6 – Database Management and User Features

In addition to configuring devices, dashboards, and recipes, RapidView provides built-in tools for managing your application's database and controlling the features available to different users.

This chapter introduces two important administration tools:

- **DB Manager**, which allows you to manage your application's database.
- **EnableView**, which controls the features available to each user profile.

These tools help administrators maintain application data while providing users with the appropriate level of functionality for their role.

Using the DB Manager

RapidView includes a built-in **DB Manager** that allows administrators to connect to and interact with the application's database directly from within the development environment.

The DB Manager provides convenient access to application data, making it easy to review historical information, troubleshoot database issues, and perform maintenance tasks without requiring third-party database tools.

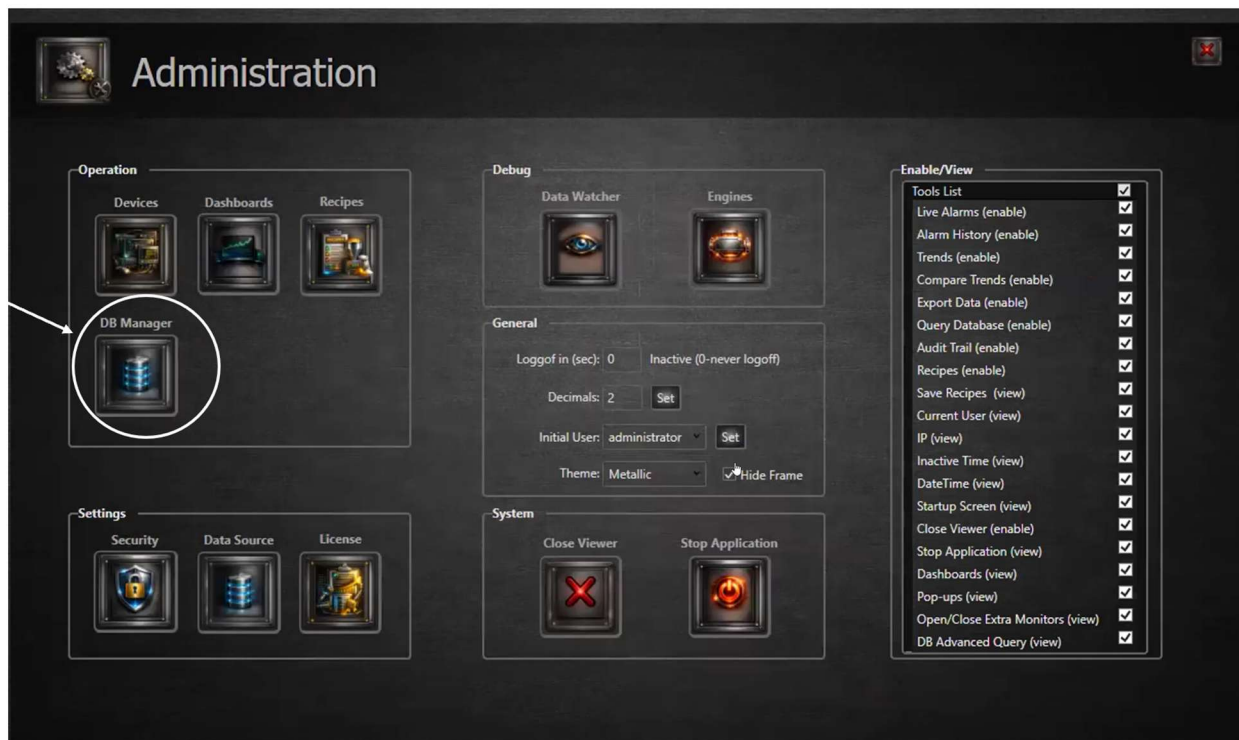


Figure 6-1. DB Manager

Using the DB Manager, you can:

- Browse database tables
- View stored data
- Execute SQL queries
- Create and modify database tables
- Insert new records
- Update existing records
- Delete records
- Verify application data

These capabilities provide administrators with complete control over the application's database and simplify database management during both development and maintenance.

Executing SQL Queries

The DB Manager includes an integrated SQL editor that allows administrators to execute SQL statements directly against the configured database.

This feature can be used to:

- Query historical data
- Search for specific records
- Verify recipe information
- Review alarm history
- Create or modify database tables
- Perform database maintenance

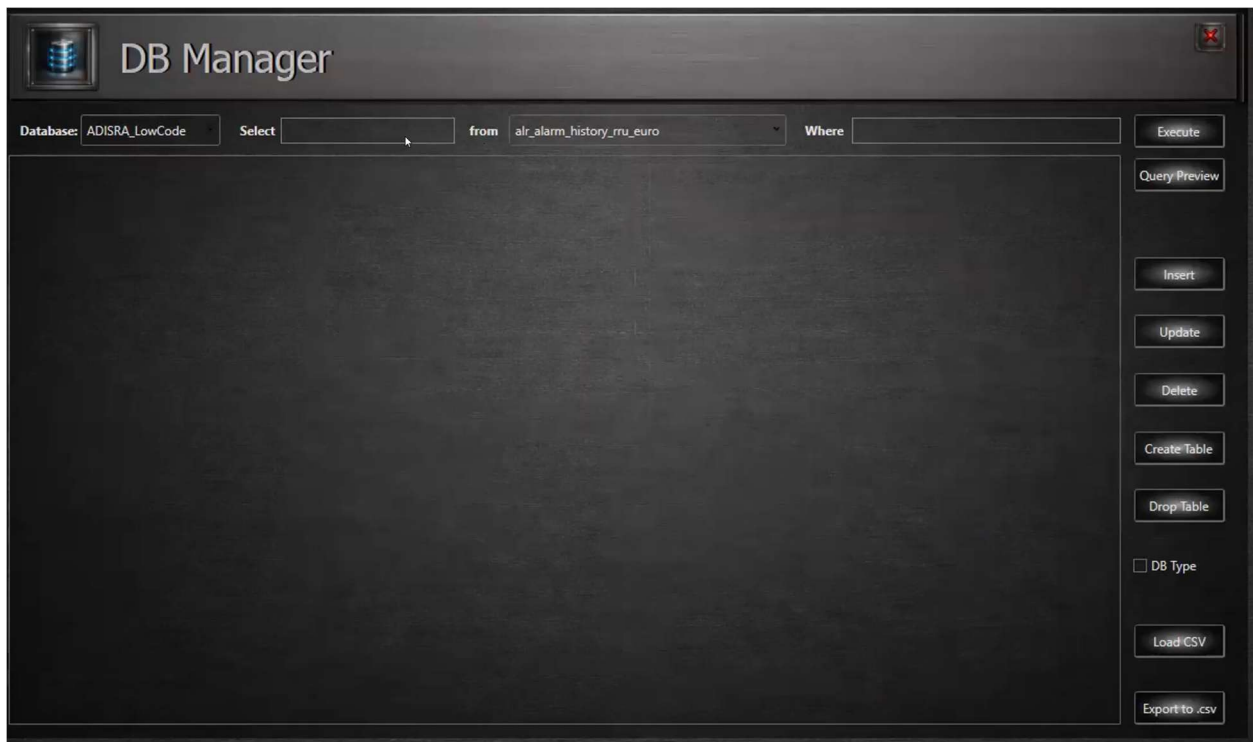


Figure 6-2. DB SQL Queries

Having these capabilities available directly within RapidView eliminates the need to switch between multiple software tools during application development.

Configuring EnableView

RapidView also includes **EnableView**, a feature that allows administrators to control which application features are available to each user profile.

Rather than providing every user with access to every feature, EnableView allows administrators to enable only the functionality required for each role.



Figure 6-2. EnableView Configuration

For example, administrators can enable or disable access to features such as:

- Live Alarms
- Alarm History
- Historical Trends
- Recipes
- Reports
- Database Management
- Dashboard Configuration
- Additional application features

Simply select the appropriate checkboxes to enable or disable each feature for the selected user profile.

This flexible approach helps simplify the operator's experience while protecting administrative functions from unauthorized access.

Completing Administration

At this point, the basic administration of your RapidView application is complete.

You have learned how to:

- Configure users and security
- Connect to databases
- License RapidView
- Create devices
- Import tags
- Build dashboards
- Create recipes
- Manage application data
- Configure user features

With the application now configured, you are ready to begin designing the operator interface.

Next Step – Designing the Operator Interface

Now that your devices, tags, dashboards, and recipes have been configured, the next step is to create the visual interface that operators will use to monitor and control the process.

In the next chapter, you will learn how to use RapidView's built-in **Templates** to create professional HMI screens using gauges, indicators, labels, buttons, trends, and other graphical objects.

By combining these templates with the tags you created earlier, you can quickly build intuitive and attractive operator interfaces without writing code.

Chapter 7 – Designing the Operator Interface

With your devices, tags, and dashboards now configured, you are ready to design the operator interface for your application.

RapidView includes a comprehensive library of prebuilt graphical templates that allow you to quickly create professional HMI screens without writing code. These templates are fully configurable and automatically connected to the tags you created in the previous chapters, enabling you to build attractive, functional dashboards in just a few minutes.

To begin designing your operator interface, select the **Template** section from the Dashboard configuration.



Figure 7-1. Template Library

Using the Template Library

The Template Library contains a wide variety of graphical objects that can be used to build your dashboard. Templates are organized into categories such as:

- Analog Inputs (AI)
- Analog Outputs (AO)
- Gauges
- Labels
- Buttons
- Trends
- Tanks
- Bar Graphs
- Sliders
- Displays
- SVG Graphics

These reusable templates allow you to maintain a consistent look and feel throughout your application while significantly reducing development time.

Creating Analog Input Display

For this example, select an **Analog Input (AI)** template.

AI templates are used to display values received from field devices, including:

- Temperature transmitters
- Pressure sensors
- Flow meters
- Tank level sensors
- Power meters
- Other analog measurement devices

These templates include gauges, meters, labels, and numeric displays that provide operators with a clear, real-time view of important process values.

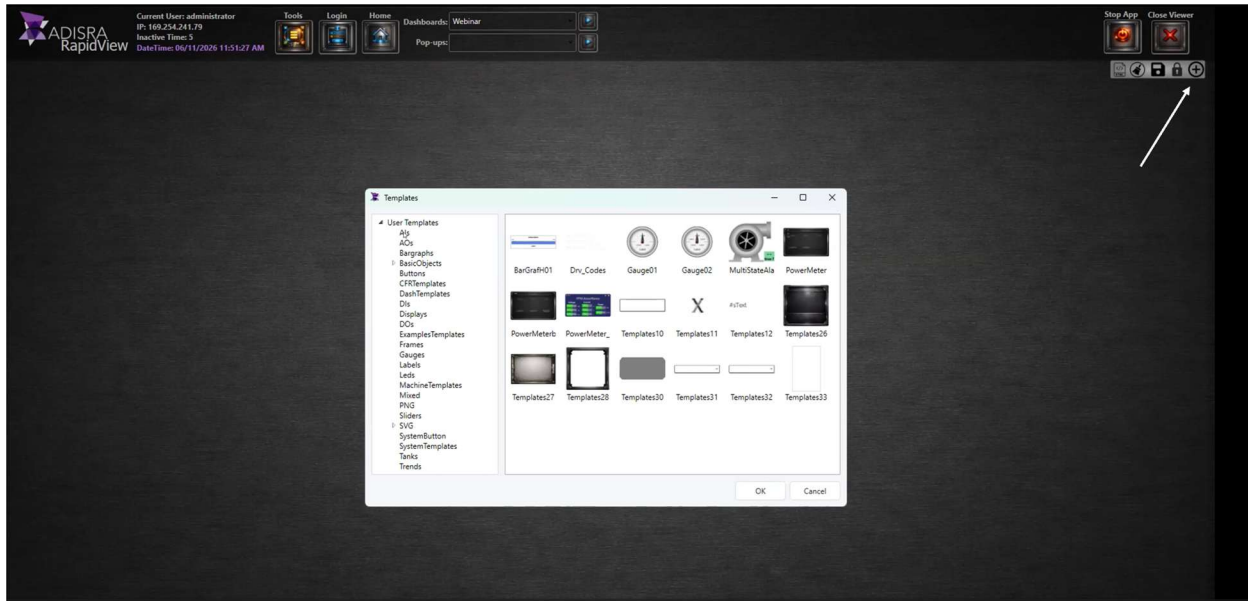


Figure 7-2. Analog Input Templates

Configuring an Analog Input Template

Once an AI template has been placed on the dashboard, configure its properties by selecting the appropriate process tag.

The AI template allows you to configure:

- Object tag
- Minimum value
- Maximum value
- Engineering units
- Display formatting
- Colors
- Alarm indicators
- Additional visual properties

These settings allow you to customize each graphical object to match the requirements of your application.



Figure 7-3. AI Template Properties

Saving the Template

After configuring the template, save your changes.

Once saved, the template immediately begins displaying live data from the associated process tag, allowing operators to monitor the equipment in real time.

Because RapidView templates are fully reusable, you can quickly create consistent operator interfaces by reusing the same template throughout your application.



Figure 7-4. Saving the Template

Viewing Historical Trends

Every Analog Input template includes quick access to historical trends.

Click the **lightning bolt** icon located in the lower-right corner of the template to open the trend window.

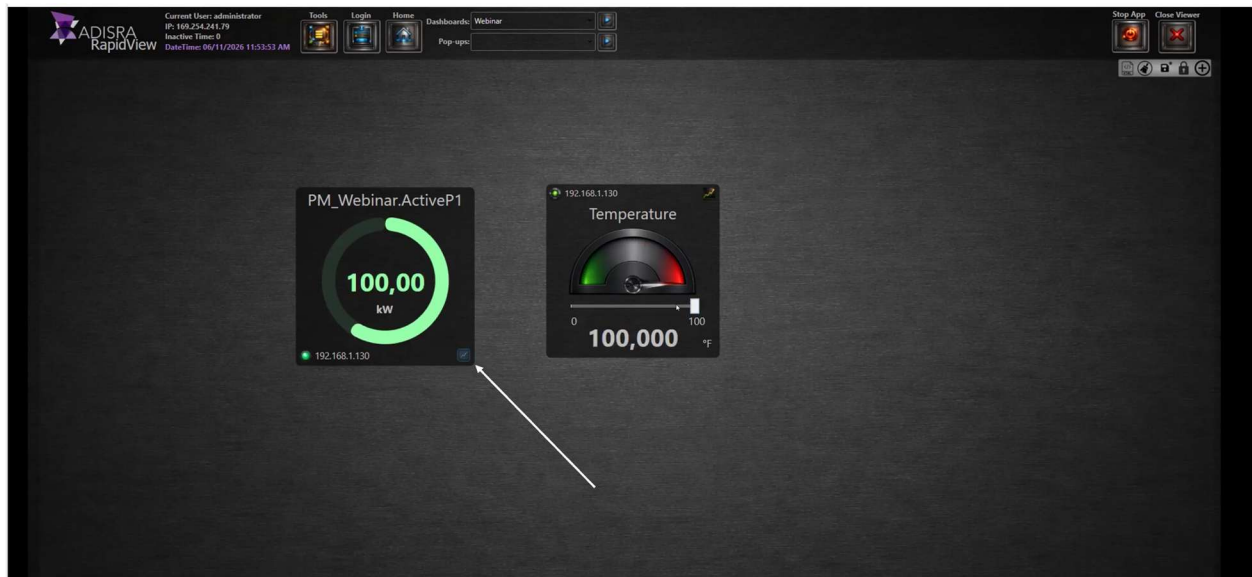


Figure 7-4. Historical Trend

The trend window displays historical process values, allowing operators to:

- Monitor equipment performance over time
- Identify process changes
- Detect abnormal operating conditions
- Troubleshoot production issues
- Analyze historical data

Historical trending provides valuable insight into how a process behaves and helps operators make informed operational decisions.

Creating an Analog Output Display

Next, add an **Analog Output (AO)** template to the dashboard.

AO templates are used to display and control analog values being sent from the application to field devices.

Typical applications include:

- Valve position
- Motor speed
- Variable Frequency Drive (VFD) speed
- Process setpoints
- Output commands

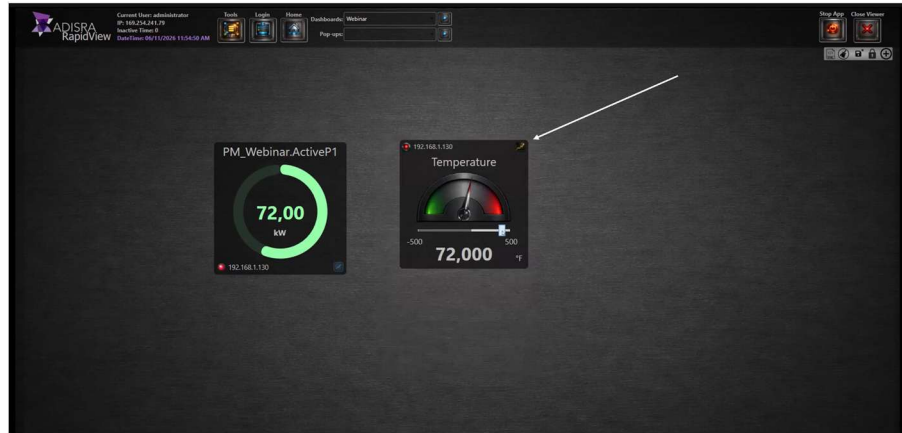


Figure 7-5. Analog Output Template

Like AI templates, AO templates can be fully customized to meet the specific requirements of your application.

Viewing Alarms

AO templates also provide immediate access to alarm information.

Click the **Alarm** icon located in the upper-right corner of the template to display any alarms associated with the selected tag.

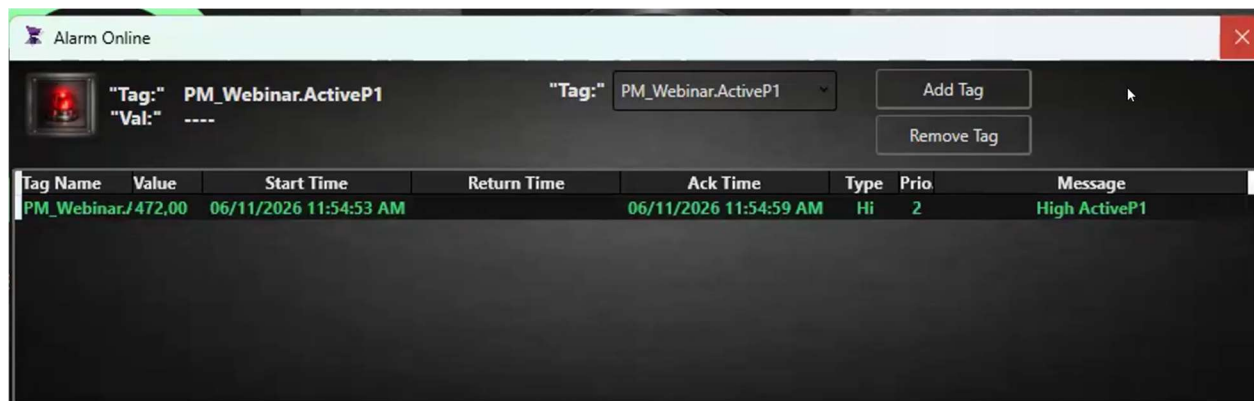


Figure 7-6. Alarm Display

The alarm window allows operators to quickly identify abnormal operating conditions and respond appropriately, helping minimize downtime and improve process reliability.

Building Complete Operator Applications

By combining dashboards, templates, and pop-up windows, you can create complete operator applications tailored to your process.

A typical application might include:

- Process overview dashboard
- Equipment detail pop-ups
- Historical trends
- Live alarms
- Recipe management
- Equipment diagnostics



Figure 7-7. An Application Screen

This layered approach keeps the primary dashboard clean while providing operators with immediate access to additional information whenever needed.

Comparing Process Trends

RapidView also supports **comparison trends**, allowing multiple process variables to be displayed on the same trend chart.



Figure 7-8. Comparison Trend

Comparison trends help operators:

- Compare related process variables
- Identify process relationships
- Detect abnormal conditions
- Analyze process performance
- Troubleshoot production issues

Viewing multiple variables together often provides valuable insight that would not be apparent when examining a single trend.

Exporting Process Data

RapidView includes an **Export Data** feature that allows historical and process data to be exported for reporting, documentation, analysis, or archival purposes.

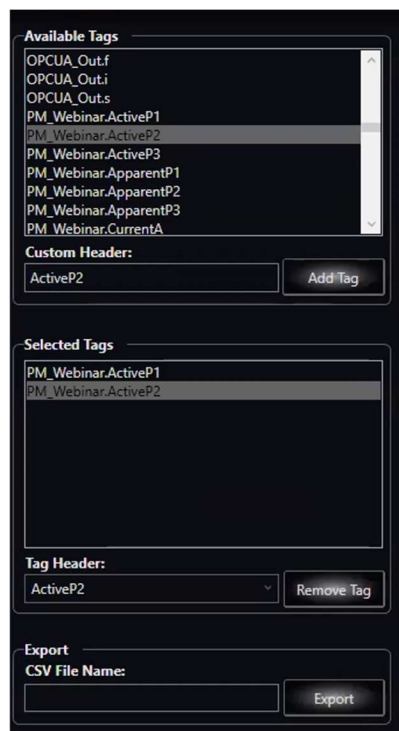
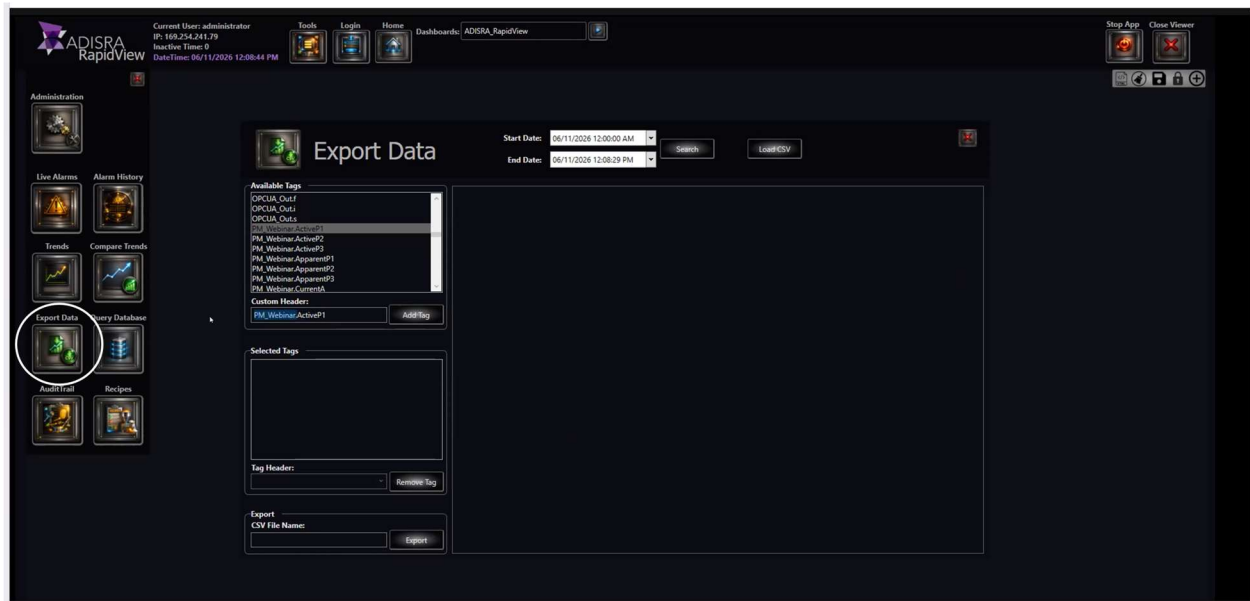


Figure 7-9. Export Data

The Export Data window consists of three main sections:

- **Available Tags** – Displays all tags available for export.
- **Selected Tags** – Contains the tags chosen for export.
- **Output File** – Specifies the filename and location where the exported data will be saved.

Before exporting, you can review the **current values** of the selected tags to verify that the correct process information has been selected.

This feature makes it easy to share data with other applications or generate reports for quality, production, or compliance requirements.

Audit Trail

RapidView includes a built-in **Audit Trail** that records changes made to recipes and other application data.

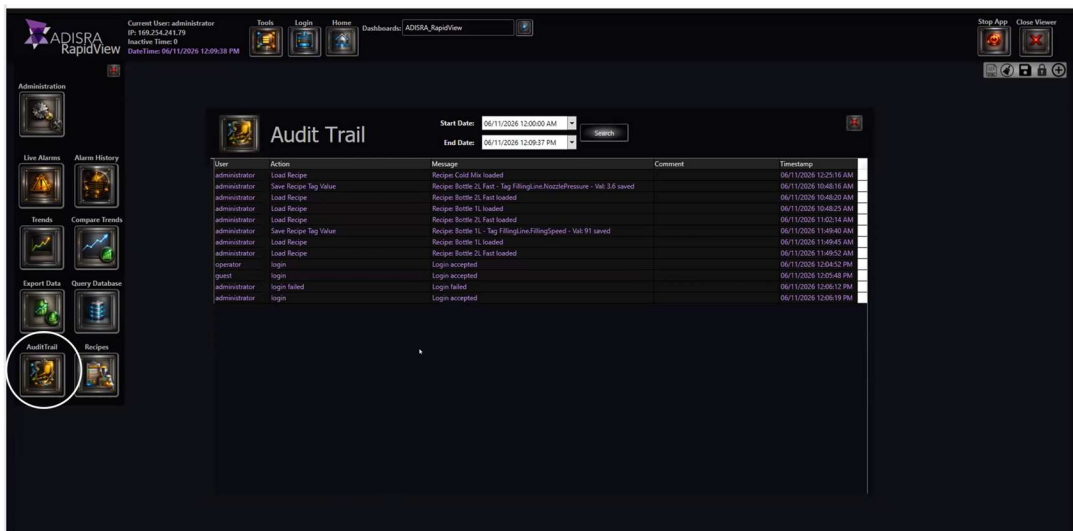


Figure 7-9. Audit Trail

For every recorded event, the Audit Trail logs:

- Date and time of the change
- User who performed the action
- Action performed
- Associated recipe or object

Maintaining this information provides complete traceability of application changes and supports quality assurance, troubleshooting, and regulatory compliance.

Web Access

Applications created with RapidView can also be accessed through a standard web browser.



Figure 7-10. Web Viewer

This enables operators and supervisors to securely monitor and interact with the application from desktops, laptops, tablets, or other supported web-enabled devices without requiring a dedicated client installation.

Expanding with ADISRA SmartView

RapidView is an excellent starting point for quickly developing industrial HMI applications. As your requirements evolve, your project can grow with you.

Because RapidView is built on the **ADISRA SmartView** platform, you can open your RapidView project directly in ADISRA SmartView and continue development using its advanced capabilities.

With ADISRA SmartView, you can add features such as:

- Advanced HMI/SCADA development
- Additional industrial communication drivers
- Custom scripting
- Advanced reporting
- Built-in machine learning
- Rule-Based Expert Systems
- Enterprise-scale applications

This seamless migration path protects your engineering investment by allowing you to expand your application without recreating it from scratch.

Conclusion

Congratulations! You have completed the **ADISRA RapidView™ Getting Started Guide**.

By working through this guide, you have learned how to build an industrial HMI application using RapidView's intuitive no-code development environment. From configuring users and devices to creating dashboards, designing operator interfaces, managing recipes, viewing trends and alarms, exporting data, and enabling web access, you have taken the first steps toward developing powerful industrial applications with minimal engineering effort.

RapidView was designed to simplify HMI development while providing the flexibility needed for real-world industrial automation projects. Whether you are monitoring a single machine, a production line, or an entire

facility, RapidView enables you to create professional operator interfaces quickly, allowing you to focus on improving productivity rather than writing code.

As your applications grow, RapidView grows with you. Because it is built on the **ADISRA SmartView** platform, your projects can be opened directly in ADISRA SmartView, providing a seamless upgrade path to advanced HMI/SCADA capabilities such as custom scripting, additional industrial communication drivers, advanced reporting, machine learning, rule-based expert systems, and enterprise-scale applications. This protects your engineering investment while giving you the flexibility to expand your applications as your operational needs evolve.

We encourage you to continue exploring RapidView by creating your own dashboards, experimenting with templates, configuring additional devices, and building applications that solve real-world industrial challenges.

Thank you for choosing **ADISRA RapidView™**. We are excited to be part of your automation journey and look forward to helping you build smarter, more connected, and more efficient industrial applications.

Happy Engineering!