



# FactoryTalk Batch View User Manual

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## Important User Information

Read this document and the documents listed in the additional resources section about installation, configuration, and operation of this equipment before you install, configure, operate, or maintain this product. Users are required to familiarize themselves with installation and wiring instructions in addition to requirements of all applicable codes, laws, and standards.

Activities including installation, adjustments, putting into service, use, assembly, disassembly, and maintenance are required to be carried out by suitably trained personnel in accordance with applicable code of practice.

If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

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Throughout this manual, when necessary, we use notes to make you aware of safety considerations.



**WARNING:** Identifies information about practices or circumstances that can cause an explosion in a hazardous environment, which may lead to personal injury or death, property damage, or economic loss.

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**ATTENTION:** Identifies information about practices or circumstances that can lead to personal injury or death, property damage, or economic loss. Attentions help you identify a hazard, avoid a hazard, and recognize the consequence.

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**IMPORTANT** Identifies information that is critical for successful application and understanding of the product.

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Labels may also be on or inside the equipment to provide specific precautions.



**SHOCK HAZARD:** Labels may be on or inside the equipment, for example, a drive or motor, to alert people that dangerous voltage may be present.

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**BURN HAZARD:** Labels may be on or inside the equipment, for example, a drive or motor, to alert people that surfaces may reach dangerous temperatures.

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**ARC FLASH HAZARD:** Labels may be on or inside the equipment, for example, a motor control center, to alert people to potential Arc Flash. Arc Flash will cause severe injury or death. Wear proper Personal Protective Equipment (PPE). Follow ALL Regulatory requirements for safe work practices and for Personal Protective Equipment (PPE).

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Rockwell Automation recognizes that some of the terms that are currently used in our industry and in this publication are not in alignment with the movement toward inclusive language in technology. We are proactively collaborating with industry peers to find alternatives to such terms and making changes to our products and content. Please excuse the use of such terms in our content while we implement these changes.

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## About this manual

This manual provides usage instructions for FactoryTalk Batch View. It is one of a set of related manuals that describe installing, programming, and operating the FactoryTalk Batch system.



Tip: The modern FactoryTalk Batch View is an innovative and intuitive user interface for your comprehensive batch solution. It leverages state-of-the-art web technologies with scalable graphics for consistent visualization across all devices and form factors. The zero-install browser simplifies administration and maintenance. As the only native client application that supports the new features in FactoryTalk Batch and eProcedure, it is the client of the future for modern batch solutions.

For information about FactoryTalk Batch View (legacy) desktop version, view the *FactoryTalk Batch View User Guide (FTBVS-UM001)*.

To review FactoryTalk Batch release notes and latest information regarding product compatibility refer to the [Product Compatibility and Download Center \(PCDC\)](#).

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You can view a full list of all open-source software used in this product and their corresponding licenses by opening the `oss_license.txt` file located your product's `OPENSOURCE` folder on your hard drive. This file is divided into these sections:

- **Components**  
Includes the name of the open-source component, its version number, and the type of license.
- **Copyright Text**  
Includes the name of the open-source component, its version number, and the copyright declaration.











































filter text `phases:wp_heat_m2` in the **Filter** box at the process level only displays process cells that contain phases with the name `wp_heat_m2`.

- To filter the displayed items by using the name, use `name:name` or `n:name`.
- To filter the displayed items by using the equipment units, use `units:unitname` or `u:unitname`.
- To filter the displayed items by using the batch ID, use `batchid:batchname` or `b:batchname`.
- To filter the displayed items by using the state of the batch, use `state:statename` or `s:statename`.
- To filter the displayed items by showing phases with failures or showing phases without failures, use `failure:yes` or `f:yes` to show phases with failures and `failure:no` or `f:no` to show phases without failures.
- To filter the displayed items by using the mode, use `mode:modename` or `m:modename`.
- To filter the displayed items by using the owner, use `owner:ownername` or `o:ownername`.
- To filter the displayed items by using the process cells, use `processcells:processcellname` or `pc:processcellname`.
- To filter the displayed items by using the phase name, use `phases:phasename` or `p:phasename`.
- To filter the displayed items by showing phases with prompts or phases without prompts, use `prompts:yes` or `pr:yes` to show phases with prompts and `prompts:no` or `pr:no` to show phases without prompts.

## Filter shortcuts for journals

Use the following shortcuts to filter the list of journals in **Diagnostics > Journals**.

The **Filter** box filters the list of journals using text containing alphanumeric characters, full words, fragments of a word, or a single letter or number. Use operators and filters for precise filtering. For example:

`description:premium AND recipe:vanilla.`

- To filter the search by description, use `description:descriptiontext, desc: descriptiontext, or d:descriptiontext.`
- To filter the search by recipe name, use `recipe:recipename` or `r:recipename.`
- To filter the search by batch ID, use `batchid:batchname` or `b:batchname.`
- To filter the search by time, use `time:timestamp` or `t:timestamp.`

## Equipment

Use **Equipment** for an equipment-centric view of the defined area model. The FactoryTalk Batch Equipment Editor defines the equipment that appears.











## See also

[Manually command a material-based phase](#) on [page 32](#)

[Manually command a phase with control strategies](#) on [page 33](#)

[Manually command a phase in semi-auto mode](#) on [page 34](#)

[Manually command a phase](#) on [page 32](#)

## Manually command a phase

Manually controlling a phase creates a default batch ID. This ID is based on the control recipe that currently owns the unit. If no control recipe exists, the batch ID is the default BATCH\_ID.

### To command a phase using manual phase control

1. Select **Equipment**.
2. Navigate to **Phases** and select the phase to control.
3. Select **Acquire** icon.
4. Select **Start** icon.
5. If prompted, confirm the command.
6. Select **Yes** to start the phase.
7. Enter a unique batch ID when prompted and select **OK**. The phase displays the current step index, the active state, the owner, and the mode. The phase transitions to the RUNNING state and then to the COMPLETED state after all steps execute.
8. If prompts display for the phase:
  - a. Select **Prompts**.
  - b. In **Prompts**, select the prompt and enter the appropriate value
  - c. Select **Acknowledge**.



Tip: If prompts are present, a **x Prompts** link displays in the left sidebar navigation. Selecting the **Prompts** link goes to the **Prompts** list, displaying only the prompts for that phase.

9. When the phase completes, select the **Reset** icon to reset the phase.
10. Select **Release** icon to release the selected phase.


## Manually command a material-based phase

Command a material-based phase using manual phase control in **Equipment**.



**WARNING:** If communication with the Material Server fails while in Equipment, and the material policy option is configured for Switch to Manual, all containers associated with the phase display. The list is not filtered by the selected material. Use extreme caution when operating without the Material Server. Failure to select the correct container or phase pair could result in a hazardous situation, depending on the material.


### To command a material-based phase using manual control

1. Select **Equipment**.
2. Select the material-enabled phase to acquire and select **Acquire** .
3. If prompted, confirm the command.





Tip: The manual phase control session requests ownership of the phase (and OPERATOR will appear in the phase's Needed By list). The phase must be released by the control recipe, and then the operator acquires the phase.

4. Select **Start** .
5. If prompted, confirm the command.
6. If the phase is configured as both a material distribution and addition, from the **Feed Type** list, select the type for the phase.



Tip: If the phase is not configured as both a material distribution and addition, the configured **Feed Type** for the material phase cannot change.

7. Select a material to use from the **Material** list, and select **Continue**.
8. Enter a unique batch ID.
9. (optional) If a phase has a control strategy, select the strategy from the **Control Strategy** box.
10. Select a container, and select **OK**. The batch state displays *DOWNLOADING*.




Tip: If the phase has automatic uploads and downloads, **Prompts** shows the prompt(s) to acknowledge.

11. If prompts generate for the phase, select **Prompts**.



Tip: If prompts are present, an **x Prompts** link displays in the left sidebar navigation. Selecting the **Prompts** link goes to the **Prompts** list, displaying only the prompts for that phase.

12. In **Prompts**, select the prompt, enter the appropriate value, and select **Acknowledge** .
13. Once the phase completes, select the phase, and then select **Reset**



14. With the phase still selected, select **Release**



## See also


[Manually command a phase](#) on [page 32](#)

[Manually command a phase in semi-auto mode](#) on [page 34](#)

## Manually command a phase with control strategies


Command a phase with control strategies using manual phase control in **Equipment**. A control strategy identifies a subset of the phase class reports and parameters configured on a phase class to use at run-time.

### To command a phase with control strategies using manual control

1. Select **Equipment**.
2. Navigate to **Phases** and select the desired phase.
3. Select **Acquire** .
4. If prompted, confirm the command.



Tip: The manual phase control session requests ownership of the phase (and OPERATOR will appear in the phase's Needed By list). The phase must be released by the control recipe, and then the operator acquires the phase.

5. Select **Start** .
6. If prompted, confirm the command.
7. Enter a unique batch ID when prompted.
8. Select the strategy from the **Control Strategy** box, then select **OK**.

---


**IMPORTANT** If **Automatically Download Parameters Upon Start** is selected when control strategies are configured for the phase instance in FactoryTalk Batch Equipment Editor, the FactoryTalk Batch Server downloads these parameters before the FactoryTalk Batch Server issues a START command to the phase. After verifying the download, the FactoryTalk Batch Server starts the phase. The batch state displays **DOWNLOADING** until the parameters are downloaded and acknowledged in **Prompts**.

---

9. If prompts generate for the phase, select **Prompts**.



Tip: If prompts are present, a **x Prompts** link displays in the left sidebar navigation. Selecting the **Prompts** link goes to the **Prompts** list, displaying only the prompts for that phase.

10. In **Prompts**, select the prompt, enter the appropriate value, and select **Acknowledge** .
11. Once the phase completes, select the phase, and then select **Reset**



12. With the phase still selected, select **Release**



### See also



[Manually command a material-based phase](#) on [page 32](#)

[Manually command a phase](#) on [page 32](#)

## Manually command a phase in semi-auto mode

Manually step through a phase using the SEMI-AUTO mode. The phase logic must set the Paused bit where appropriate. These programmed break points determine where the phase pauses while in semi-auto processing.

### To manually command a phase in semi-auto mode

1. Select **Equipment**.
2. Navigate to **Phases** and select the phase.
3. Select **Acquire** .
4. Select **Start** .
5. If prompted, confirm the command.
6. Select **Yes** to start the phase.
7. Enter a unique batch ID when prompted and select **OK**. The phase displays the current step index, the active state, the owner, and the



3. Place the files to be linked in this folder.
4. In FactoryTalk Batch Equipment Editor, ensure that the path configured for the hyperlink matches the directory path set in step 2 (such as */Project\_Files/<file name>*).
5. Repeat steps 2-4 if using more than one folder for hyperlink files, such as **Images** or **Video**.

## View results of an area model update

When an online area model is updated on the FactoryTalk Batch Server, FactoryTalk Batch View displays the changes and alerts the operator to the update.

- During the online area model update, the FactoryTalk Batch View Server drops all but the essential connection to the FactoryTalk Batch Server. The operator cannot interact with the system and may see a **Server Communication Error: Online Area Update** message.
- After the online area model update is complete, an **Information** message alerts the operator that the online area model was updated.

When communication between the FactoryTalk Batch Server and FactoryTalk Batch View is lost and then restored, work in FactoryTalk Batch View is largely uninterrupted.

However, in these circumstances, the operator is navigated to the top level location in the user interface:

| Before the update, if an operator is viewing the:                                     | After the update, the operator will be viewing the: |
|---------------------------------------------------------------------------------------|-----------------------------------------------------|
| • Batch Detail display                                                                | • Batches list                                      |
| • Prompts/Acknowledge Signature Signoff page                                          | • Prompts list                                      |
| • Manual Instructions page                                                            | • Prompts list                                      |
| • Diagnostics tab with Server, Statistics, Journals, or Arbitration selected          | • Diagnostics tab with Status selected              |
| • Process Cell, Unit, or Phase/Operation Sequence detail levels in the Equipment view | • Top Area level                                    |
| • Help for a specific topic                                                           | • Top level Help page                               |

## Arbitration

When the FactoryTalk Batch Server uses system elements to execute recipes, it is called Arbitration. In FactoryTalk Batch View, the Arbitration view allows a user to interact with the arbitration process. An operator can see the status of system elements and can acquire, release, and reorder requests to acquire those system elements. System elements include process cells, units, phases, operation sequences, resources, batches, and the operator.

When a system element receives a request to be acquired, the FactoryTalk Batch Server, on behalf of that system element, issues a request to acquire its own dependent system element or elements. Once the requested system element acquires its own dependent system elements, it can then be acquired by the operator or batch resource user.
























## Respond to material phase binding prompt

6. Select **OK**.

Material phase binding prompts are displayed when the operator has set up prompted binding for material phase/container pairs. Respond to the binding prompts to select a material phase/container pair when the recipe is running.

1. Select **Batches**.
2. Select a batch.
3. In the **Batch Detail** display, select **Start** to execute the recipe.

The recipe is running, and a prompt alert is displayed.

4. Navigate to the **Prompts** list and select the material phase binding prompt for the recipe that is running.
5. Select a material phase/container pair from the list.
6. Select **Acknowledge** 

## Diagnostics

Use **Diagnostics** to view server and service status, server performance, server statistics, batch event journals, and arbitration information.

- **Status** - view version and connection information for the FactoryTalk Batch View, FactoryTalk Batch Server, FactoryTalk Services, eProcedure Server, and FactoryTalk Activation. Displays the status of configured data servers and services.
- **Server** - view server performance, hardware, and software information.
- **Statistics** - view information on connections, equipment model file name and save time, and perform tag verification.
- **Journals** - view a list of all available event journals.
- **Arbitration** - view, acquire, release, and reorder system elements.

### See also

[View the status of servers and services](#) on [page 48](#)

[View server information](#) on [page 47](#)

[View statistics](#) on [page 48](#)

[View and manage system elements from the Diagnostics page](#) on [page 50](#)

## View server information

View the server performance, hardware, and software for the FactoryTalk Batch Server to troubleshoot server issues.

### To view the server information

1. Select **Diagnostics**.
2. Select **Server**.

3. View the appropriate server information.
  - **Uptime:** View the uptime for the operating system, FactoryTalk Batch Server, and the FactoryTalk Batch View Service.
  - **Memory:** View the total amount of memory used, the amount of free memory available, and the amount of memory being used by the FactoryTalk Batch View Service.
  - **Disk:** View the total amount of disk space and the amount of free disk space available.

## See also

[Diagnostics](#) on [page 47](#)

## View the status of servers and services

The **Status** tab displays status and version information for services used by the application and the status for each data server used by the Batch Server.

### To view the status of servers and services

1. Select **Diagnostics**.
2. Select **Status**.
3. View the appropriate server or service.
  - **Services:** View the status of the FactoryTalk Batch View Service, the FactoryTalk Batch Server, eProcedure Server, FactoryTalk Services, and FactoryTalk Activation.
  - **Data Servers:** View the status of the configured data servers, and the status of the Material Server.



Tips: The status of each service and data server is indicated by the color:

- **Green:** Communication is good.
- **Yellow:** Communication is suspect.
- **Orange:** Communication is bad.
- **Red:** Communication is lost.

## See also

[Diagnostics](#) on [page 47](#)

## View statistics

The **Statistics** tab displays the following information:

- **Connection(s):** Monitors the number of Component Object Model (COM) and OLE for Process Control (OPC) conversations taking place between the FactoryTalk Batch Server and client software, such as the FactoryTalk Batch View service, FactoryTalk Batch View, and HMI Controls.
- **Equipment Model:** Displays the file name and the last saved time.





displays. When tag verification completes, the count of verified and bad tags displays.

### To verify tags

1. Select **Diagnostics**.
2. Select **Statistics**.
3. Select **Start**.



Tip: To abort tag verification, select **Abort** instead of **Start**.

### See also

[Diagnostics](#) on [page 47](#)

## Manage Diagnostics page system elements

When you need to have an overall view or to manage system elements for an area, use **Diagnostics > Arbitration**.

**Diagnostics > Arbitration** provides a method for displaying arbitration information from different perspectives. System elements have a limited number of owners based on their definition in the area model. System elements are acquired when they are not currently owned, or the number of current owners is fewer than the defined maximum number of owners. Only the current owner can release a system element.

### See also

[Arbitration](#) on [page 36](#)

[View arbitration information from the Diagnostics page](#) on [page 50](#)

[Acquire a system element from the Diagnostics page](#) on [page 51](#)

[Release a system element from the Diagnostics page](#) on [page 51](#)

[Reorder the Needed By queue from the Diagnostics page](#) on [page 52](#)

## View arbitration information from the Diagnostics page

To navigate to details of a system element, use **Diagnostics > Arbitration**.

### To view arbitration information from the Diagnostics page

1. Select **Diagnostics**.
2. Select **Arbitration**.
3. In **Choose a System Element**, select a type to filter the available options.
4. In the **System Element** list, select the system element to be viewed.

## See also

[Arbitration](#) on [page 36](#)

[View and manage system elements from the Diagnostics page](#) on [page 50](#)

[Acquire a system element from the Diagnostics page](#) on [page 51](#)

[Release a system element from the Diagnostics page](#) on [page 51](#)

[Reorder the Needed By queue from the Diagnostics page](#) on [page 52](#)

## Acquire a system element from the Diagnostics page


A system element can be acquired when it is not currently owned, or when the number of current owners is fewer than the defined maximum number of owners.



Tips:

- Only authorized users (acting as the operator) can acquire a system element, as configured in FactoryTalk Batch Security settings.
- A request to acquire an owned system element is queued. When the system element is released, the next system element in the queue acquires that system element automatically.

## To acquire resources as an operator

1. Select **Diagnostics**.
2. Select **Arbitration**.
3. In **Choose a System Element**, select a type to filter the available options.
4. In the **System Element** list, select the system element to be acquired.
5. In the  menu, select **Acquire**.

If the system element is available, the current operator gains ownership of the system element. Otherwise, the current operator is added to the **Needed By** list at the end of the system element queue, and the system element is added to the operator's **Needs** list.

## See also

[Arbitration](#) on [page 36](#)

[View and manage system elements from the Diagnostics page](#) on [page 50](#)

[View arbitration information from the Diagnostics page](#) on [page 50](#)

[Release a system element from the Diagnostics page](#) on [page 51](#)

[Reorder the Needed By queue from the Diagnostics page](#) on [page 52](#)

## Release a system element from the Diagnostics page


Only the current owner of a system element can release it. When finished commanding a system element, release it to make it available for other

processes.



Tip: Only authorized users (acting as the operator) can release a system element, as configured in FactoryTalk Batch Security settings.

## To release a system element from the Diagnostics page

1. Select **Diagnostics**.
2. Select **Arbitration**.
3. In **Choose a System Element**, select a type to filter the available options.
4. In the **System Element** list, select the system element to be released.
5. In the  menu, select **Release**.

## See also

[Arbitration](#) on [page 36](#)

[View and manage system elements from the Diagnostics page](#) on [page 50](#)

[View arbitration information from the Diagnostics page](#) on [page 50](#)

[Acquire a system element from the Diagnostics page](#) on [page 51](#)

[Reorder the Needed By queue from the Diagnostics page](#) on [page 52](#)

## Reorder the Needed By queue from the Diagnostics page

To change the priority order for a system element waiting to acquire another system element, use **Arbitration > Needed By**.

For example, Batch 1, Batch 2, and Batch 3 all request to acquire Unit 1, in that order. Batch 1 acquires Unit 1, Batch 2 is the first in the **Needed By** queue, and Batch 3 is last. A process change requires that Batch 3 needs to run before Batch 2. Reorder the Unit 1 **Needed By** queue so Batch 3 is next in the queue.

## To reorder the Needed By queue from the Diagnostics page

1. Select **Diagnostics**.
2. Select **Arbitration**.
3. In **Choose a System Element**, select a system element type to filter the available options.
4. In the **System Element** list, select the system element whose queue needs to be reordered.
5. In the **Needed By** section, select the system element.
6. Select the Up or Down arrow.

## See also

[Arbitration](#) on [page 36](#)

[View and manage system elements from the Diagnostics page](#) on [page 50](#)

[View arbitration information from the Diagnostics page](#) on [page 50](#)

[Acquire a system element from the Diagnostics page](#) on [page 51](#)

[Release a system element from the Diagnostics page](#) on [page 51](#)

## Material Server communications

The **Material Server Not in Use** warning displays when commanding a material-enabled phase when communication with the Material Server has been lost. Reestablish communication with the Material Server, depending upon the FactoryTalk Batch Server configuration for material policies when communication with the Material Server is lost:

- If the Material Policy on loss of communication is configured to **Failure and Hold** in the FactoryTalk Batch Server options, the FactoryTalk Batch Server automatically resumes communication with the Material Server when available. The Material Server status indicator changes to **Good** or green in **Diagnostics > Status**. Batches that were HELD continue to run.
- If the Material Policy on loss of communication is configured to **Switch to Manual** in the FactoryTalk Batch Server options, reestablish communication with the Material Server when it becomes available again. When the Material Status indicator changes to **Suspect** or yellow, attempt reconnection to the Material Server.



Tip: The status of each service and data server is indicated by the color:

- Green: Communication is good.
- Yellow: Communication is suspect.
- Orange: Communication is bad.
- Red: Communication is lost.

All material-based decisions or selections made by the operator without communications with the Material Server are reported in **Diagnostics > Journals** as Loss of Material Server and Loss of Material Tracking events. When the material database becomes available, manually reconcile the event journal with the material journal and update the material database with the **Amount**, **Lot**, and **Label** information for material inventory. See the *FactoryTalk Batch Material Editor User Guide* for more information.

After restoring communication with the Material Server, any material-based steps in a HELD state must finish executing to the COMPLETE state before further processing occurs.

## See also

[Manually command a material-based phase](#) on [page 32](#)

[Reestablish communication with the Material Server on manual batches](#) on [page 54](#)

[View the status of servers and services](#) on [page 48](#)

## Reestablish communication with the Material Server on manual batches

When the Material Status indicator changes to Suspect, attempt reconnection to the Material Server.

---

**IMPORTANT** After restoring communication with the Material Server, manually reconcile the batch event journal with the material database. All Loss of Material Tracking and Loss of Material Server events indicate material steps that took place without Material Server communication. Use this information to manually update the **Amount**, **Lot**, and **Label** information for the material inventory in the material database. See the *FactoryTalk Batch Material Editor User Guide* for more information.

---



Tip: The status of each service and data server is indicated by the color:

- **Green:** Communication is good.
- **Yellow:** Communication is suspect.
- **Orange:** Communication is bad.
- **Red:** Communication is lost.

## To reestablish communication with the Material Server on manual batches

1. Select **Diagnostics**, then **Status**.
2. In the **Data Servers** area, select **Reconnect**.



Tip: **Reconnect** displays next to the Material Server status when the status changes to **Suspect**.

### See also

[Diagnostics](#) on [page 47](#)

[Material Server communications](#) on [page 53](#)

## Journals

**Journals** displays the electronic batch record for a specific batch. The electronic batch record contains information about the events that occur during batch execution or phase execution. FactoryTalk Batch automatically creates the electronic batch record.

View the electronic batch record while the batch or phase is running or after processing is complete. To specify the event types included in the electronic batch record, use the FactoryTalk Batch Equipment Editor **Server Options** dialog box. See the *FactoryTalk Batch Equipment Editor User Guide* for more information.

### See also

[View the journal](#) on [page 55](#)

[Filter shortcuts for journals](#) on [page 26](#)

## View the journal

View information about the events for batch or phase execution in the electronic batch record.

### To view the journal

1. Select **Diagnostics**.
2. Select **Journals**.
3. Select the appropriate batch. The event journal for the batch appears.



Tip: The journal is also available by selecting **Batches > General** and selecting the **<batch create id>.evt** file.

### See also

[Journals](#) on [page 54](#)

[Filter shortcuts for journals](#) on [page 26](#)

## Sort and filter journal columns

Filter a journal to limit the data returned. Journal columns sort the data in ascending or descending order, with the highest order given to numbers and special characters, followed by alphabetical order. The default journal column is **Time**. A batch may run on three different units. By filtering on a specific unit, only data for the requested unit appears.

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**IMPORTANT** If FactoryTalk Batch Material Manager and FactoryTalk Batch eProcedure are not installed, the associated journal columns do not display.

---

### To sort and filter journal columns

1. Select **Diagnostic > Journals** and select a journal.
2. To sort, select a column and then the column arrows.
3. To filter, enter a parameter in a selected column.

**Tip:** If a column does not appear, verify that the column is configured to display.

### See also

[View the journal](#) on [page 55](#)





## Languages

Configure the FactoryTalk Batch View Server to support languages so that you can use FactoryTalk Batch View language switching to change the user interface to display content in the language of choice. Once the FactoryTalk Batch View Server is configured to support languages:

- You can use FactoryTalk View SE language-switching to change the language for user controls running in FactoryTalk View SE.
- You can select the language FactoryTalk Batch View displays at runtime.
- You can run multiple clients in different languages at the same time.
- You can view the supported languages from FactoryTalk Batch View.

### FactoryTalk Batch View prerequisites to generate different languages

- [Generate language locales](#) on [page 57](#)
- [Run the localize tool with command-line options](#) on [page 58](#)
- [Run the localize tool with a GUI](#) on [page 58](#)
- [View supported languages](#) on [page 59](#)

### Generate language locales

You can add a language locale by using an application that can read a .csv input file containing the string translations. FactoryTalk Batch View uses the language definition file selected in the Language list.

1. Navigate to the FactoryTalk Batch View install location on the computer.
 

Tip: The default FactoryTalk Batch View install location is **Program Files (x86) > Rockwell Software > Batch View Server > tools**.
2. Use Microsoft Excel or another spreadsheet program to open the file: **localized\_strings.xlsx**.
3. In Row 1, add the new language name code to the next available column. For example, for Spanish, use es in FactoryTalk Batch View and use es-ES for HMI User Control integration with FactoryTalk View SE.
4. Replace the English user interface term with the specific language translation for the user interface term in the row. Repeat until all terms have translations.
5. Save the **localized\_strings.xlsx** file.
6. Export to .csv and save the file as **localizedstrings.csv**.
7. Run the localize tool.

## Run the localize tool

The localize tool validates the .csv file that contains the languages FactoryTalk Batch View uses. The localize tool generates a language definition file for each locale definition. The language definition files allow FactoryTalk Batch View to select different languages in the **Profile** area. Use command-line options to generate the language definition file as part of the install command.

### Prerequisites

- If the **locales** folder does not exist, create it in the install directory. The default install location is **Program Files (x86) > Rockwell Software > Batch View Server**.



Tip: If the command prompt is not run as administrator, the tool does not have permission to write the generated locale files to the **locales** directory

### To run the localize tool

1. Open a command prompt.
2. Set the command prompt path to the **tools** directory in the install directory. For example, `C:/Program Files (x86)/Rockwell Software/Batch View Server/tools`.
3. Enter `localize-tool.exe install -c ./localizedstrings.csv -i ..\locales`.

The tool runs and generates a language definition file.

## Run the localize tool with a GUI

The localize tool validates the .csv file and generates a language definition file for each locale definition. The language definition files allow FactoryTalk Batch View to select different languages in the **Profile** area. A graphical user interface (GUI) steps you through selecting the localized strings files and the directory in which to install the languages.

### Prerequisites

- If the **locales** folder does not exist, create it in the install directory. The default install location is **Program Files (x86) > Rockwell Software > Batch View Server**.

### To run the localize tool with a GUI

1. Open a command prompt.
2. Set the command prompt path to the **tools** directory in the install directory. For example, `C:/Program Files (x86)/Rockwell Software/Batch View Server/tools`.
3. Enter `localize-tool.exe install`.
4. In the dialog box, select the **localizedstrings.csv** file.

5. In the dialog box, select the folder where the language definition file will be saved, by default the install directory,  
C:/Program Files (x86)/Rockwell Software/Batch View Server/locales.  
The tool runs and generates a language definition file.

## View supported languages

For HMI Controls running in FactoryTalk View SE, supported languages are defined in and can be viewed from FactoryTalk View SE.

To view the supported languages for FactoryTalk Batch View, use the localize tool to generate the **languageCodes.txt** file. The text files include a list of all the supported ISO639-1 two letter codes with their English language name.

1. Open a command prompt.
2. Set the command prompt path to the **tools** directory in the install location.





Tip: The default FactoryTalk Batch View install location is **Program Files (x86) > Rockwell Software > Batch View Server**.

3. Enter `localize-tool.exe languages`.
4. Open the generated **languageCodes.txt** file in the **tools** directory.

## Change the language at runtime

Change the language at runtime to view FactoryTalk Batch View in the new language. Only languages installed for the application appear in the menu.

### To change the language at runtime

1. Select **Profile** .
2. Select **View profile**.
3. Select a language from the list.
4. Select **Save** .



















## Rockwell Automation support

Use these resources to access support information.

|                                                         |                                                                                                            |                                                                    |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>Technical Support Center</b>                         | Find help with how-to videos, FAQs, chat, user forums, and product notification updates.                   | <a href="http://rok.auto/support">rok.auto/support</a>             |
| <b>Knowledgebase</b>                                    | Access Knowledgebase articles.                                                                             | <a href="http://rok.auto/knowledgebase">rok.auto/knowledgebase</a> |
| <b>Local Technical Support Phone Numbers</b>            | Locate the telephone number for your country.                                                              | <a href="http://rok.auto/phonesupport">rok.auto/phonesupport</a>   |
| <b>Literature Library</b>                               | Find installation instructions, manuals, brochures, and technical data publications.                       | <a href="http://rok.auto/literature">rok.auto/literature</a>       |
| <b>Product Compatibility and Download Center (PCDC)</b> | Get help determining how products interact, check features and capabilities, and find associated firmware. | <a href="http://rok.auto/pcdc">rok.auto/pcdc</a>                   |

## Documentation feedback

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## Waste Electrical and Electronic Equipment (WEEE)



At the end of life, this equipment should be collected separately from any unsorted municipal waste.





Rockwell Automation maintains current product environmental information on its website at [rok.auto/pec](http://rok.auto/pec).

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