



Thank you for choosing Simio. We are confident that you will be pleased with its power, flexibility, and ease of use. Models can be automatically created from external data and the logic of the model driven by external data. This means that a Simio model becomes a true, agile digital twin when it is connected to your enterprise systems and the data in these systems drive the foundation and logic of the model.

Simio is unique in our ability to support models that span the digital continuum of design to operate, in a single application. Use the same Simio process digital twin for decision support analysis, long term planning and detailed production scheduling. Whether you run the model once a week for insight into how to plan for upcoming demand fluctuations or run it multiple times a day, such as when an event occurs on your factory floor, Simio's powerful simulation engine can provide the details and risk assessment needed to make informed decisions on how to operate your business.

We are not resting on the success we've seen over the past decade – we are continuing to make Simio more powerful and flexible, while leading the industry with technology breakthroughs and attacking new markets with our disruptive technology.

This document describes some of the features that have been recently added to our software and provides information on how to reach out technical support, the online user forum, and social media accounts.

Welcome to the Simio family!

Gregory Lang
Vice President, Software Development

Simio Release Notes

Support


The best way to get support is to use the **Simio User's Forum** found at www.simio.com/forums, or contact us at support@simio.com using one of the links on the Support Ribbon. Sign up on the user's forum as a **Simio Insider** to get full access to find product information, a place to post problems and questions, and the opportunity to engage in discussions with other users and the Simio team.

You can also find Simio User's Groups on:

LinkedIn (<https://www.linkedin.com/groups/55167>) and

Facebook (www.facebook.com/groups/13863832711).

Please visit our simulation community resources web page (www.simio.com/resources.html) for additional information.

The **Support Ribbon** (the Support tab) of the Simio software contains shortcuts to the above, plus much more. Don't miss the links to our on-line documentation, training, videos, downloads, and other helpful resources. While Simio includes comprehensive on-line help available at the touch of "F1" or  in the product, the numerous books and free video training courses provide a great way to get started using Simio.

Unfortunately, we cannot provide support to students. We encourage students to work through their instructors, or to reach out to the broader user community using the Simio Insiders User Forum.

What is a Sprint?

We are following an agile methodology in which we develop in three week cycles called sprints. At the end of each sprint we have tested, documented, distributable software including new functionality. The following pages describe the enhancements added during each sprint. It is not necessary that you download and install every Sprint unless you are interested in a particular feature. But we encourage you to do so when convenient so that you are always working with the best software, documentation and examples we can deliver. Most sprints are posted to the Simio Insiders Downloads Topic. The public releases (discussed below) are updated approximately twice a year.

Where to Find New Releases

The latest public software releases can be found at: www.simio.com/download. Your activation will continue to work with new releases as long as your maintenance is current. Newer releases are often available on the [Simio Insiders forum](#).

Simio Release 17 – Sprint 261 – April 29, 2024

Previous Release: 17.261.37759 – April 4, 2024

Welcome to our release of Simio 17! In this Sprint, you will notice numerous data table enhancements as well as a new Table Schema Viewer. The repeating group property editor received a usability enhancement. You will also notice four new SimBits which highlight new features added to Simio over the past year. Lastly, Simio Portal Edition has been revamped.

Desktop Edition Features:

Repeating Group Property Editor Enhancement – This feature has two major enhancements that were designed to improve the experience of Simio when using a repeating group property editor. First, you can now continue browsing your Simio model with a repeating group property editor open. Second, you can have multiple repeating group property editors open at the same time.

Database and Web API Importer and Exporter Enhancement – This user requested feature allows you to hide the database password to the connection string in the Database Importer and Exporter as well as the Web API Importer and Exporter.

Table Referencing Enhancements – This feature allows tables in other objects to now be referenced in a model when the model has a reference to that object. This allows a top-level model to reference a table inside a submodel. This enhancement is for both Data Table and Output Table referencing. Process Logic steps, such as SetRow and Search can be used with other object's table references. Properties in Repeat Groups can use other object table references too.

Show Table Schema Viewer – This feature allows you to visually see the relationships between data tables in a zoomable, pan-able diagram.

New SimBit – Understanding Run Performance With Dashboards – This SimBit includes three models providing examples of using a Search step with corresponding Dashboards displaying the run time of each model. All three models show the same objective with different approaches and how each approach affects the run time.

New SimBit – Path Planner Element – This SimBit includes five models providing examples of using the Path Planner Element.

New SimBit – Referencing Tables In Other Objects – This SimBit includes two models providing examples of using other object's table references.

New SimBit – Counter Element – This SimBit includes three models providing examples of using the Counter Element.

Portal Edition Features:

With this release, we are very excited to share that Simio Portal administration and experimentation has received a significant upgrade. Visually, we've refactored how you run Experiments and view Results. Some general improvements and optimizations were added in as well to help repeat Experiment Runs, view others' Runs, permissions management of Users and Models, etc. To enable this in your current

Portal or to see a demonstration of our next generation Portal product, please contact sales@simio.com.

Simio Release 16 – Sprint 260 – February 29, 2024

Welcome to Sprint 260! In this Sprint, you will notice a new property on the Counter element as a new model in the Network Shortest Paths SimBit.

Desktop Edition Features:

Counter Element Enhancement – This feature adds a *Value Expression* property to the Counter element which allows you to specify a value to increment/decrement the count by.

New SimBit Model – Tiebreaker Fewest Turns – This SimBit demonstrates a Network using fewest turns when there are ties for shortest routes.

Simio Release 16 – Sprint 259 – February 6, 2024

Welcome to Sprint 259! In this Sprint, you will notice a few animation enhancements as well as a new About Simio button. Simio Portal Edition received a data table enhancement.

Desktop Edition Features:

Ability to Add Animation to Node Definitions – This user requested feature allows you to add labels, queues, and animation to custom Node definitions.

Additional Symbol Animation Support – This feature allows symbols with node animation can now be loaded into Simio.

About Simio Enhancement – This feature adds an About Simio button to the Support ribbon which will show your Simio Version, License Type, Registered to, Expiration, and .NET Framework version. It also provides a link to the License Terms as well as a direct link to email your important information into Simio.

Portal Edition Features:

Data Table Enhancement – This feature keeps filters on data tables when editing, adding or removing a row in order to easily edit tables.

Simio Release 16 – Sprint 258 – January 26, 2024

Welcome to Sprint 258! In this Sprint, you will notice an enhancement to the Expression Editor as well as automatic bound table imports. Creating objects from a data table also received an animation enhancement. Simio Portal Edition now has a Download Support Files page.

Desktop Edition Features:

Expression Editor Enhancement – This user requested feature turns off the filtering of the Expression Editor by default. This was implemented to allow you to view more expression segments easier.

Automatic Bound Table Import Enhancement – This feature enables the Insert Row and Remove Row buttons when a table is automatically bound to an external data source if the Enable Automatic Bound Table Importing toggle is off.

Auto-created Object Enhancement – This user requested feature allows you to set the auto-created object's display symbol via the *Symbol Index* property of the Object Property column of a data table.

Portal Edition Features:

Download Files for Support – This feature allows a Portal Admin to download the Web Config, SAML Log, App Data, Audit Log, and APP Config for a certain time period in order to help debug Simio Portal Edition.

Simio Release 16 – Sprint 257 – December 8, 2023

Welcome to Sprint 257! In this Sprint, you will notice three Log enhancements, a new element, and a new reference property.

Desktop Edition Features:

Generic Element Reference Property – This user requested feature lets User Defined Elements to now have corresponding Element Reference Properties available in the Definitions tab. Simio's default User Defined Elements will appear in the bottom section of the Element Reference Property drop-down. Any additional custom User Defined Elements will also appear automatically.

Tally Observation Log Enhancement – This feature allows Expression columns in the Tally Observation Log to include expressions referencing table rows referenced by the Tally Statistic element and expressions referencing the Tally step token's associated object or context object, or table rows referenced by that token's associated object or context object or the token itself.

Counter Element – This new element may be used to track attribute-based counts of entities in the system. The Counter can count either the 'NumberWaiting' or the 'NumberEnroute'.

Transportation Log and Constraint Log Enhancement – This feature lets Expression columns added to these two logs to have the property *Show In Gantt Tooltips*. When set to 'True', it will display the log expression from the Transport Log or Constraint Log on the corresponding Gantt bar.

Simio Release 16 – Sprint 256 – November 7, 2023

Welcome to Sprint 256! In this Sprint, we added the Path Planner Element. A histogram was added for data columns. We wrapped up this Sprint with an Interrupt Step enhancement and an enhancement to the Entity States Spreadsheet.

Desktop Edition Features:

Ability to Watch an Entity from Entity States Spreadsheet – This user requested feature allows you to Watch an entity directly from the Entity States Spreadsheet. Right clicking on the desired entity in the Entity States Spreadsheet and selecting Watch will allow you to easily watch that entity without having to navigate in the Facility Window.

Path Planner Element – This new Element may be used in conjunction with a Transfer step to find and reserve a deadlock-free shortest network path for an entity from its current node to a destination node.

Interrupt Step can Check Tokens – This user requested feature allows the Interrupt step to have a better understanding of information on the Token so that you can better control interrupting a Token.

Data Column Histogram – This user requested feature allows you to create a histogram from a specified column of a data table.

Where's the Rest?

In case you are a history buff who would like to see a sprint-by-sprint account of how we got to this point, you can find that here:

<http://www.simio.com/downloads/public/documents/SimioHistoricalReleaseNotes.pdf>. This contains records from the first 256 sprints (0-255) covering the generation of Simio major releases 1 – 15.