



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 18 – Sprint 269 – October 24, 2024

Welcome to our release of Simio 18! In this Sprint, you will notice numerous new material storage additions as well as a SimBit to help learn more about these new features. Simio Portal Edition also received a significant upgrade. Please pay close attention to the two notes at the beginning of this Sprint's Release Notes.

Support for 32-bit (x86) Simio will end in Spring 2025 Public Release. Microsoft announced Windows 10 32-bit, will no longer be receiving updates as of September 30th, 2024. Since there are no more supported platforms to run 32-bit Windows, Simio will be deprecating support as well.

Simio is moving to .NET 8 (Core) starting with release 18.270.x.x. This is Microsoft's latest platform for delivering .NET applications. Simio has traditionally been shipped with .NET *Framework*, most recently v4.8. Simio will still be distributed/installed with all necessary components. However, to run .NET 8 you must be on any currently supported Microsoft® Windows 10/11 64-bit.

Desktop Edition Features:

Material Storage – This is a new feature set for those models, simulations, and operational planning that require going down to the precise levels of managing material stock. There are new layers of storage and new removal functions that allow for a set of multiple retrieval rules for complex business logic/processes. Finally, these handle contention to prevent more than one resource claiming the same item from material stock.

New SimBit – Material Storage Basic Concepts – This SimBit project includes three models providing examples of using material storage Elements, Properties, States, Functions, and Process Logic.

Portal Edition Features:

Next Generation Portal – The next generation of Simio Portal is here! Portal now has a more modern and easier-to-use interface for all screens. User and Group management has been streamlined as well as Role assignment is more organized. Experimentation and Scheduling/Planning have come together in a single view under each model. There is now a live in-progress view of all concurrent runs executing on Portal at any given moment. There are enhancements to the workflows around importing and exporting data. And finally, a new RESTful API with an API guide, with built in testability of the API, for faster integration into greater production processes was added. Please speak with your Simio representative or contact sales@simio.com for more information.

Simio Release 17 – Sprint 268 – September 25, 2024

Welcome to Sprint 268! In this Sprint, enhancements were made to the Counter element as well as the API. This Sprint wrapped up with the addition of a Link labels toggle.

Desktop Edition Features:

Counter Element Enhancements – This feature adds three new 'CountForKey', Average, Maximum, Minimum, functions and one new property, *Unit Type*, to the Counter element to keep track of a Counter over time.

Link Labels Visibility Toggle – This user requested feature allows you to toggle on/off Link name labels via the Visibility Tab.

Design Time API Enhancement – This user requested provides a list of objects in the API to reduce the need for you to select one-to-many objects every time an add-in runs.

Simio Release 17 – Sprint 267 – September 6, 2024

Welcome to Sprint 267! In this Sprint, we added File Stores and enhanced the Time Plot.

Desktop Edition Features:

File Store – This user requested feature creates a File Store, which represents a remote set of files or “blobs” to be used in the *File* and *Folder* properties of Data Connectors. There are two types of File Stores currently available – S3 and Azure Storage.

Ability to Make Time Plots 3D – This user requested feature allows you to add an Object Height to a Time Plot.

Simio Release 17 – Sprint 266 – August 14, 2024

Welcome to Sprint 266! In this Sprint, you will notice an Experiment Scenario Generator, two new Data Connectors, a new Performance Profiler, and a Trace enhancement.

Desktop Edition Features:

Scenario Generator – This feature provides an efficient way to create a full factorial Experiment for a model. The Scenario Generator allows you to select which Controls to use in the creation as well as specify their minimum, maximum, and level all while respecting any Constraints.

Amazon S3 Data Importer/Exporter – This user requested feature allows you to import or export file data from or to an S3 bucket.

Azure Blob Storage Data Importer/Exporter – This user requested feature allows you to import or export file data from or to an Azure Blob.

Trace Enhancement – This feature provides the object a data table belongs to in row error information as well as Trace Table Row Resolution in order to better understand row references.

Run Time Profiler Enhancement – Performance Profile – This feature allows you to review the performance of a model over simulation time per walk-clock time. The Performance Profiler can be found by toggling on the Profile and then choosing the Performance tab.

Simio Release 17 – Sprint 265 – July 8, 2024

Welcome to Sprint 265! In this Sprint, you will notice some Documentation Report enhancements as well as a new model in the Inventory Replenish SimBit. Lastly, we updated the Introduction to Simio video series.

Desktop Edition Features:

New Introduction to Simio Videos – This is a new version of the group of videos seen by clicking the Support Ribbon's Videos -> Quick Start dropdown. You can also get to these videos by going [here](#).

Documentation Report Enhancements – This feature provides numerous updates to the Documentation Report found on the Project Home tab. Readability and customization were the focus of this feature. You will now find settings for the Documentation Report by clicking the arrow below the button.

SimBit Enhancement – New Model – Inventory Replenish – Demand-Driven MRP with Tables – Demonstrates how to incorporate a demand-driven material requirements planning replenishment policy from Data Tables. Tables are used to define materials, inventories, and buffer zone sizes.

Simio Release 17 – Sprint 264 – June 11, 2024

Welcome to Sprint 264! In this Sprint, you will notice that you can add Targets to Output Tables.

Desktop Edition Features:

Ability to Add Targets to Output Tables – This feature allows you to easily specify target information on Output Tables by adding a Target or Targets to the table.

Simio Release 17 – Sprint 263 – May 28, 2024

Welcome to Sprint 263! In this Sprint, you will see a new Clear Tables button on the Data Content ribbon as well as additional information in your About Simio.

Desktop Edition Features:

About Simio Enhancement – This feature provides the Build Date of the version of Simio you are currently using. It can be found by going to the Support ribbon and selecting About Simio.

Clear Tables – This feature provides a quick way to clear out a data table or all data tables with one click. Selecting the Clear dropdown on the Data Content ribbon will give you the option to clear Current Table, All Tables, All Tables with Active Bindings, or All Tables in Category.

Simio Release 17 – Sprint 262 – May 1, 2024

Welcome to Sprint 262! In this Sprint, you will notice two Status Table enhancements.

Desktop Edition Features:

Status Table Works with Output Tables – This user requested feature allows you to set an Output Table as a Status Table's *Table Name*. The Status Table will update as the Output Table updates.

Ability to Filter which Rows are Displayed in a Status Table – This user requested feature allows you to set a custom *Filter Expression* on a Status Table which will evaluate for every row of the table and will not display any rows that return "false".

Simio Release 17 – Sprint 261 – April 30, 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.

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: [SimioHistoricalReleaseNotes.pdf](#)

This contains records from the first 261 sprints (0-261) covering the generation of Simio major releases 1 – 16.