



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 for technical support and online training.


Welcome to the Simio family!

Gregory Lang
Vice President, Software Development

Simio Release Notes

Support

Sign up for MyAccount at <https://myaccount.simio.com/> to get full access to find product information, monitor or log a new support case, or download the latest release of Simio. If you don't have MyAccount access, you can sign up for it as well as contact us at support@simio.com using one of the links on the Support Ribbon.

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.

Due to the numbers of student licenses that we provide at no cost, we are unable to provide technical or modeling support for students. You should work with your instructor/faculty member where you have questions. You can find student resources for learning Simio here: <https://www.simio.com/teaching-resources/learning-simio-for-academics/>

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 a tested, documented, distributable software release including new functionality. The following pages describe the enhancements added during each sprint.

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 if your maintenance is current. 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. All sprints are posted to [MyAccount -> Download Simio](#).

Simio Release 20 – Sprint 290 – May 18, 2026

Welcome to Sprint 290! This Sprint update introduces an enhancement to the Remove step that can store how many items were removed, along with new help documentation and example models for using import/export scripts and the Python environment. It also includes an enhancement for the Counter Element SimBit to show average statistics.

Desktop Edition Features:

Remove Step Enhancement – The Remove step now has a *Save Number Removed* property that allows for an optional state variable entry to save the total number of items removed from the collection.

Import Scripts / Export Scripts / Python Environment – Simio Help topics have been added for the import and export scripts and Python environment to show examples and debugging.

New SimBit – Using Import and Export Scripts – this project includes two models providing examples of using an Import Script and using an Export Script.

SimBit update – Counter Element – two new Time Plots have been added to demonstrate the new average counter statistics.

DXF Import Impacted – Due to incompatibilities between our DXF/DWG import library and .NET v10, you may not be able to import all your objects into Simio. We removed support for importing text as part of this. Unfortunately, the licensing model for upgrading this library has drastically changed and Simio can't subsidize this cost nor wants to forward the cost to all customers. We will continue to research options for future releases of Simio. For now, Autodesk marketplace has several reasonably priced options for converting these files to .fbx or .glb of which Simio supports.

Portal Edition Features:

Linux Containers – Please review the ReadMe in full detail here ->

<https://github.com/SimioLLC/SimioPortalDocker/pkgs/container/simioportal> . Other important items of note, Simio Portal requires an **external Microsoft SQL Server** instance (2019 or later recommended). The container does not bundle a database. Also, Portal is a licensed product separate from Desktop. It will start in an unlicensed state and prompt for a license through the UI if you try this before contacting sales@simio.com .

Simio Release 19 – Sprint 289 – April 17, 2026

Welcome to Sprint 289! This Sprint update improves data export, scripting, and usability. Export scripts can now run automatically with flexible triggers, and the Output window provides clearer feedback, including Python logs. Data tables, dashboards and Gantt visibility are more flexible, with editable state column types, added target data visibility, support for relative Excel file paths and better resource state Gantt visibility. Additionally, state property assignments are easier across object levels, and object reference states now allow predefined types to reduce the need for casting.

Desktop Edition Features:

Export Scripts within Data Connectors – Within the Data Connectors ribbon, the Create Script button allows an export script to be defined that will be executed after all exports have completed. Export scripts can be used to transform data exported from Simio for use in other applications. Data should be exported from Simio to the temporary export script data folder managed by Simio for it to be accessible by the script.

Additionally, triggers for a given export script can be set for various timing toggles, for example, on manual exporting, after plan runs or risk analysis runs and project save.

Output Window Update – The Output window now also provides visual feedback to the user for data exports, including exported data sources, export script runs and errors. Additionally, Python information such that log data normally found in the SimioActions log is now also found in the Python output window.

Data Table State Columns Enhancement - Like the functionality of changing a Data Table Property Column type, the type of state column can now be changed using the Change Type pull-down on the Schema ribbon.

Dashboard Enhancements – For any given data table, the Target Detail/Value/Status information is now visible to be used within Dashboards.

Also, when using Excel files as the Data Source for dashboards, they can now be specified using a relative location rather than an absolute location. This is helpful when sharing projects with others.

State Property Assignment Enhancement – Within any process step or object that displays drop-downs for state property assignments, the list now includes states within multiple levels of an object definition. This is especially helpful for user custom objects as well as Flow and Extras library objects.

Object Reference State Enhancement - When defining an object reference state, you can now define what type of object is referenced in this state, such that in future expression references, you don't have to 'cast' the type of object returned. For example, custom and sub-classed objects are now shown in the types of object reference states to select from to minimize levels of type casting.

Gantt Visibility Enhancements – The Resource State row colors have been updated for ease of Gantt readability.

Simio Release 19 – Sprint 288 – March 27, 2026

Welcome to Sprint 288! This Sprint adds access to the Run ribbon from the Data tab, enhances the Watch Window to browse Queue contents, and introduces a Run Script button to execute import scripts without importing data.

Desktop Edition Features:

Run Ribbon from Data Tab – The Run ribbon is now available on the ribbon when using the Data tab in a model. This is very helpful to use the fast forward button or to watch output data within a table update in real time!

More Watch Window Enhancements – The Watch Window enhancement now includes the ability to see browse the objects within a Queue state. This may be especially useful within objects such as Racks and their shelves.

Run Script Button – Within the Data Connectors ribbon, a new Run Script button has been added to trigger import scripts runs without importing data.

Simio Release 19 – Sprint 287 – March 6, 2026

Welcome to Sprint 287! This Sprint enhances dashboards with the ability to display Gantt charts by resource/entity, adds a new Output window showing data imports/exports status, and includes a Node appearance option to control default link merge behavior (Merge or No Merge), useful when importing node data.

Desktop Edition Features:

Gantt within Dashboards – The DevExpress Gantt has been added to dashboards to allow users to visualize the interactive or planning Gantt by entity/resource/constraint.

Output Window – This new window provides visual feedback to the user for data imports and exports.

Node's Appearance Link Graphic (Merge/No Merge) – The Node's object definition (either a new or subclassed object) now includes the Default Link Merge Type (Merge / No Merge) appearance option exposed. This is especially useful when importing data for nodes and includes Basic and Transfer Nodes.

Simio Release 19 – Sprint 286 – February 20, 2026

Welcome to Sprint 286! This Sprint enhances the Watch Window with expanded resource visibility and ownership details, adds expand/collapse controls for Processes, introduces pre-import scripting and improved Data Connector tools, and upgrades to .NET Core v10 requiring updated SQL connection strings for compatibility and security.

Desktop Edition Features:

Watch Window Enhancements – This feature enhances the Watch Window to expand listed items and shows each Token in Process, Quant in Storage Areas, and Quant in Storage Bins. All their associated functions will be available under these items. Additionally, you can now see the full list of owners of a resource object, resources seized by an object, and reservation owners of a resource object in the Watch Window.

Collapse/Expand All Process Categories – This feature allows you to right click to expand or collapse all processes to more easily navigate Process windows with many processes.

New Import Script – Option to create a script that runs before a data table imports. Import Scripts can stage data and can be used in conjunction with Data Connectors to import data saved to a temporary folder. Additional buttons have been implemented in the Data Connectors View that allow Simio to open and edit these scripts as well as open related file directory locations.

Upgrade to .NET Core v10, SQL connection string edits required – Simio is now on .NET Core v10. This is the LTS version, supported out until November 2028. As part of this upgrade, MSFT deprecated its previous SqlClient libraries and we moved to this latest. The latest version of Microsoft.Data.SqlClient requires you update your connection strings to include the following two properties for security reasons, "Encrypt=True;TrustServerCertificate=True;" Please do so accordingly in importer and exporter configurations. Also, if you leverage Federated dashboards that connect to databases, you must edit the dashboard data source connection, add these settings, and explicitly choose to save the credentials in the designer. Without that step, the connection settings will not persist as expected.

For Current Users with QLM Licensing

Simio will end support for QLM licenses after March 2027. See "Simio Release 18 – Sprint 276" and inquire with your account manager for more details.

Simio Release 19 – Sprint 285 – January 20, 2026

Welcome to Sprint 285! In this Sprint, there was an auto-creation enhancement as well as numerous Portal Experiment updates.

Desktop Edition Features:

Data Driven Queues – This user requested feature allows you to define an object's Queues in a data table.

Portal Edition Features:

Experiment Upload Enhancement – This feature adds all Scenarios defined in Simio Desktop automatically to an Experiment when it is uploaded to Simio Portal.

Experiment Scenario Enhancement – This feature allows you to quickly delete all Scenarios in an Experiment at once.

Replication Count Enhancement – This feature displays the Replication count information on the Run Metrics page.

For Current Users with QLM Licensing

Simio will end support for QLM licenses after March 2027. See "Simio Release 18 – Sprint 276" and inquire with your account manager for more details.

Simio Release 19 – Sprint 284 – December 10, 2025

Welcome to Sprint 284! In this Sprint, we added a DateTimeTrace column to exported trace CSV files and ensured initial property values stay accurate when referenced table columns are renamed.

Desktop Edition Features:

Updated Trace Visibility – This feature adds the DateTimeTrace column into the exported trace csv file.

Data Table Initial Property Reference Enhancement – This feature updates *Initial Property Values* values when references change when renaming table columns that are being created from data schema.

For Current Users with QLM Licensing

Simio will end support for QLM licenses after March 2027. See "Simio Release 18 – Sprint 276" and inquire with your account manager for more details.

Simio Release 19 – Sprint 283 – November 20, 2025

Welcome to Sprint 283! In this Sprint, we closed several bugs and made a few refactors to improve application performance.

For Current Users with QLM Licensing

Simio will end support for QLM licenses after March 2027. See "Simio Release 18 – Sprint 276" and inquire with your account manager for more details.

Simio Release 19 – Sprint 282 – October 30, 2025

Welcome to Sprint 282! This Sprint adds support for additional IDEs like Spyder, enhances the ReserveBins and ReserveStock steps with new properties, and introduces Portal improvements including compute node performance visualization and sortable Experiment results.

Desktop Edition Features:

Support For Additional IDEs – This feature allows you to use additional IDEs, such as Spyder, in Simio.

ReserveBins Step Enhancement – This feature adds two new properties, *Save Phase Number* and *Save Starting Storage Area Reference* to the ReserveBins step.

ReserveStock Step Enhancement – This feature adds two new properties, *Save Phase Number* and *Save Starting Storage Area Reference* to the ReserveStock step.

Portal Edition Features:

Compute Node Performance Visualization – This feature will show how a Run in the Queue of Portal is performing relative to the computational power of your Portal.

Ability to Sort Experiment Result Columns – This feature allows you to sort the Controls and Responses of a completed Experiment.

For Current Users with QLM Licensing

Simio will end support for QLM licenses after March 2027. See "Simio Release 18 – Sprint 276" and inquire with your account manager for more details.

Simio Release 19 – Sprint 281 – October 10, 2025

Welcome to Sprint 281! In this Sprint, you will see several usability and functionality enhancements, including Token count display in Processes, a new 'UntilTime' Delay property, and improved floating-point comparisons with a new tolerance setting and a Math.AlmostEqual expression. It also features 3D rendering upgrades, a new Bill of Materials SimBit, and installer flexibility, while removing the "Publish Plan Results to Website" button.

Desktop Edition Features:

Token Count Display – This enhancement displays the current number of Tokens in a certain Process or Step in a green box next to the location. This was designed to make it easier to track Tokens in process.

Delay Step Enhancement – This feature provides a new *Delay Type* property option of 'UntilTime'. Selecting 'UntilTime' will delay a Token to a specific end datetime value.

Publish Plan Results to Website Removal – The Publish Plan Results to Website button on the Planning tab has been removed.

Floating-Point Comparison Mode – This new advanced option model property allows you to set a model tolerance that Simio will use for evaluating normal expressions so that you do not have to account for rounding.

Desktop Installer Change – You can now opt-out of installing SimBits and Examples when installing Simio.

Math.AlmostEqual – This expression compares two specified values and indicates whether they are almost equal using a combination of relative and absolute tolerances.

New SimBit – Bill Of Materials – This SimBit project includes four models providing examples of using Bill of Materials and Bill of Materials Group Elements.

3D Rendering Enhancements – You are now able to import external SkyBoxes and Physically Based Rendering texture materials into Simio.

For Current Users with QLM Licensing

Simio will end support for QLM licenses after March 2027. See "Simio Release 18 – Sprint 276" and inquire with your account manager for more details.

Simio Release 19 – Sprint 280 – September 3, 2025

Welcome to our release of Simio 19! In this Sprint, you will see our new Python integration. There were also enhancements made to Breakpoints, Schemas, Work Schedules, and a few Process Steps. An additional SimBit model was also added. Simio Portal Edition has a new Calendar View which allows you to schedule Tasks.

Desktop Edition Features:

Python Integration – You can now write Python functions (Scripted Steps) that execute in a process step. Simio handles importing packages, creating a python runtime environment for your scripts, and you can interact with the Simio model. Live debugging of Python is supported with VS Code. Please start by reviewing Simio Help section titled Scripted Steps. Coding Examples are referenced for faster adoption and guidance.

Breakpoints Enhancement – This user requested feature provides a new Breakpoint option, Enable External Breakpoints, in the Advanced Options dropdown that enables or disables Breakpoints from objects defined outside of the current project.

Data Table Schema Enhancement – This feature automatically updates the *Initial Property Values* repeat group for an auto-created column in a Data Table From Schema when you change the table's *Name*.

Table-Based Work Schedule Enhancement – This user requested feature allows you to now use a *Start Type* of 'Expression' for Table-Based Work Schedules.

ReserveBins Step Enhancement – The *ReserveBins Selection Rules* repeat group now has a *Phase Number* property. The step also received a *Minimum Stock Reservation Quantity* and *Maximum Stock Reservation Quantity* property.

ReserveStock Step Enhancement – The *ReserveStock Selection Rules* repeat group now has a *Phase Number* property. The step also received a *Minimum Stock Reservation Quantity* and *Maximum Stock Reservation Quantity* property.

New SimBit Model – PeriodicStatistic SimBit - PeriodicStats_TISMonthCycle – This SimBit model shows how to capture entity time in system as a monthly Periodic Statistic on a yearly cycle for a system.

Portal Edition Features:

Calendar View – There is a new Calendar view that can show you all Plans scheduled globally, at a model level, and even at a Plan level. All Scheduled Tasks support email notification lists. If you can choose to get all notifications or just notifications when scheduled tasks don't execute as expected. Note: this requires an email configured for your domain.

Scheduling Enhancement – Two tasks can now be scheduled on Portal: Removing unused Plans/Experiments and starting Plan runs at a specific date/time. You can set a data retention period for Plan and Experiment Runs. These will be purged nightly if not they are not run after a certain number of days. This helps manage storage and declutter your frequently used models. You can also now schedule

Plan Runs as a single instance or a recurrence. You can choose to re-run the same Plan or start with a base Plan and create a new Plan per run to aggregate history.

For Current Users with QLM Licensing

Simio will end support for QLM licenses after March 2027. See “Simio Release 18 – Sprint 276” and inquire with your account manager for more details.

Simio Release 18 – Sprint 279 – June 26, 2025

Welcome to Sprint 279! In this Sprint, you will notice the ability to add a total time column to the Run-Time Profiler as well as a new Example.

Desktop Edition Features:

Run-Time Profiler Enhancement – This user requested feature lets you add a Total Time column to the Run-Time Profiler to display the total time in seconds that an entry in the Profiler has taken.

DDMRP Example Enhancement – This example uses Simio RPS Edition to build a data-generated model for orders, within multiple manufacturing facilities and a distribution center, using Demand-Driven Material Requirements Planning (DDMRP) methodologies.

New Example – SampleCO with Demand Driven MRP – This example uses Simio RPS Edition to build a data-generated model for multiple order types with the focus on managing shared resources using dispatching and prioritization between the Make to Stock (MTS) and Make to Order (MTO) materials. The Make to Stock orders use the Demand-Driven Material Requirements Planning (DDMRP) methodologies, while the Make to Order product is manufactured when the order is placed. Because of the contention of multiple shared resources for the various orders, various dispatching rules will be used for comparison of red zone penetration for DDMRP orders and time zone penetration for custom orders.

For Current Users with QLM Licensing

Simio will end support for QLM licenses after March 2027. See "Simio Release 18 – Sprint 276" and inquire with your account manager for more details.

Simio Release 18 – Sprint 278 – June 3, 2025

Welcome to Sprint 278! In this Sprint, you will notice a new Experiment Add-in, additional columns in the Material Usage Log, a new property on Real Property columns, a Trace enhancement, and a Table-Based Work Schedule Enhancement.

Desktop Edition Features:

Display Format Property on Property Columns – This user requested feature allows you to specify a display format on property columns in a data table.

Material Usage Log Enhancement – This feature adds a BOM Group, BOM, and Component Id column to the Material Usage Log.

Table-Based Work Schedule Enhancement – This user requested feature allows the *Interval* property of a Table-Based Work Schedule to be set as Reference Property.

Bi-PASS with Rinott – This new Experiment Add-in executes the bisection Parallel Adaptive Survivor Selection (bi-PASS) algorithm ([Pei et al., 2022](#)), followed by the Rinott selection procedure ([Rinott 1978](#)).

Trace Enhancement – Trace now provides the policy and parameters for an Inventory Replenishment.

For Current Users with QLM Licensing

Simio will end support for QLM licenses after March 2027. See "Simio Release 18 – Sprint 276" and inquire with your account manager for more details.

Simio Release 18 – Sprint 277 – May 13, 2025

Welcome to Sprint 277! In this Sprint, you will notice an improvement in the Inventory Review Log logging.

Desktop Edition Features:

Inventory Review Log Enhancement – This behavior change now has the Inventory Review Log receive entries for inventory reviews even if no *Replenishment Policy* has been set for an Inventory element with a *Review Period*.

For Current Users with QLM Licensing

Simio will end support for QLM licenses after March 2027. See "Simio Release 18 – Sprint 276" and inquire with your account manager for more details.

Simio Release 18 – Sprint 276 – April 28, 2025

Welcome to Sprint 276! In this Sprint, you will notice a new button on the Process Run tab and a change to the Duplicate Experiment behavior. Both Simio Desktop Edition and Simio Portal Edition received a new Experiment Add-In. Simio Portal Edition's Queue also received a new filter.

For Current Users with QLM Licensing

Simio LLC is consolidating the mechanism which licenses its software to a single provider: Reprise Software ("Reprise"). Reprise is a solution familiar to Simio – one that has been used by its customers for over 15 years. While some customers were migrated to Soraco Technologies ("QLM") beginning in 2019, the standard and single offering for 2025 and on is Reprise. Account managers will facilitate discussions about transiting users with QLM licensing to Reprise during their renewal.

Simio will end support for QLM licenses after March 2027.

Desktop Edition Features:

Step Enhancement – There is an enhancement pertaining to step tracking on the Process Run tab. The Current Step button will visually point you to the current step.

Duplicate Experiment Enhancement – This change alters the Duplicate Experiment functionality to now include the results of the Experiment. If you do not want the results to be duplicated to the new Experiment, clear the Experiment first.

Bi-PASS Scenario Elimination – This new Experiment add-in iteratively runs replications of scenarios and attempts to eliminate non-competitive Scenarios using the sample mean and sample variances of the Responses across all Scenarios.

Improved Bill of Materials - Introducing an improved Bill of Materials framework. Now you can define alternative components as well as mix materials and alternatives to satisfy a component requirement. More documentation and examples coming soon in future releases.

Portal Edition Features:

Queue View Enhancement – This enhancement provides a filter to toggle whether your Queue shows all Runs or just your Runs.

Bi-PASS Scenario Elimination – This new Experiment add-in iteratively runs replications of scenarios and attempts to eliminate non-competitive Scenarios using the sample mean and sample variances of the Responses across all Scenarios.

Simio Release 18 – Sprint 275 – April 1, 2025

Welcome to Sprint 275! In this Sprint, we closed several bugs and made a few refactors to improve application performance of Simio Desktop. Simio Portal Edition received enhancements to Runs and the Queue view.

Desktop Edition Features:

In this Sprint, we closed several bugs and made a few refactors to improve application performance.

Portal Edition Features:

Run As New Plan – This checkbox on a Plan Run allows you to quickly create a duplicate Run while keeping the old results. If the checkbox is checked, the Plan is duplicated, renamed and appended as the date and time of the Plan Run while the previous Run is maintained in place.

Queue View Enhancement – This feature adds a Publish icon in the Queue view to provide state updates for a Run being published.

Plan Run Notifications – This new Portal app setting allows you to specify if you wish to send an email to select email addresses for all events or for not complete events for a Run.

Simio Release 18 – Sprint 274 – March 13, 2025

Welcome to Sprint 274! In this Sprint, you will notice a few debugging enhancements as well as a DefaultEntity change. Starting with the release of 18.274, we have made Neural Network Components optional. It is installed by default, but users can opt-out.

Desktop Edition Features:

Watch Enhancement – This feature allows you to right click on an Add-on Process and then select “Go to Watch” while the model is running, and you will be taken to the selected Process in the Watch window.

Properties Spreadsheet Enhancement – This feature provides the option to show all steps simultaneously in the Properties Spreadsheet.

DefaultEntity Change – This change now shows the DefaultEntity in the Facility view when opening Simio.

Trace Enhancements – This feature provides two new Trace Type Advanced Options, Step Level and Process Level, that allows Simio to quickly ignore *Trace Level* properties on Steps and Processes.

Installation Change – You now have the option to install or not install Simio’s Neural Network Components. It is installed by default, but you can opt-out when installing a new version of Simio.

Simio Release 18 – Sprint 273 – February 18, 2025

Welcome to Sprint 273! In this Sprint, you will notice debugging window enhancements.

Desktop Edition Features:

Trace Enhancement – This feature allows you to turn Trace off for certain steps. Each step now has a *Trace Level* property where you can specify it to 'Default', 'Always', or 'Never'.

Watch Enhancement – This feature adds Tokens and their associated functions to the Watch window.

Simio Release 18 – Sprint 272 – February 4, 2025

Welcome to Sprint 272! In this Sprint, you will notice two new steps as well as some debugging enhancements. Simio Portal Edition received an enhancement to the Web API.

Desktop Edition Features:

AddStorageLocations Step – This step may be used to add a child storage location to a parent storage area.

RemoveStorageLocations Step – This step may be used to remove a child storage location from a parent storage area.

Trace Enhancement – Go To Step – This feature allows you to right click in Trace on a specific step entry and then select “Go To Step” and you will be taken to this highlighted step in process logic.

Unfilter All Tables – This feature provides two options to unfilter all data tables simultaneously. Disable All Filters unchecks all of the filters while Remove All Filters deletes all of the filters.

Error Message Enhancement – This feature will highlight exactly which part of an expression is causing the error to occur in runtime.

Improved Go To Error Window Functionality – This enhancement improves the behavior of double clicking a design time error to take you to the location of the error.

Table Row Count – This feature displays a count of the displayed and total rows in each data table and in each Log.

Watch Window Enhancement – This feature allows you to right click on a specific object in the Watch Window to select to remove it.

Portal Edition Features:

Web API Enhancement – This feature allows you to call Simio Portal’s Web API via Python.

Simio Release 18 – Sprint 271 – January 6, 2025

Welcome to Sprint 271! In this Sprint, you will notice the ability to interact with multiple steps simultaneously and Simio Portal Edition received the Queue.

Desktop Edition Features:

Ability to Copy/Cut/Paste/Delete Multiple Steps Simultaneously – This feature allows you to copy/cut and paste or delete multiple consecutive steps in an Add-On Process at one time.

Portal Edition Features:

Queue – This feature displays status updates for all recent Runs and Experiments in one location. The Queue shows the progress and success or failure of Load Model, Import, Analyze Risk, Run, and Export.

Simio Release 18 – Sprint 270 – November 26, 2024

Welcome to Sprint 270! In this Sprint, you will notice two enhancements pertaining to auto-created objects as well as numerous debugging enhancements. Simio Portal Edition received some data table enhancements.

Desktop Edition Features:

Ability to Set Auto-Created Object's Nodes' X/Y/Z Location via Data Table – This user requested feature allows you to set a Node's X, Y, and Z location in a data table to quickly move around Nodes of auto-created objects.

Auto-Create Link Enhancement – This user created feature allows you to automatically create links from a data table on ArcGIS roadways when the ArcGIS World Street Map is enabled.

Debugging Enhancements – This Sprint contained numerous debugging enhancements in the following areas:

- Enhancements to directly take you to a specific row in a table. Errors in the design time window when double clicked will directly take you to the row in the table. Right-click menu options were updated to improve navigation to a specified row in a table or when right-clicking on a Foreign Key value, it will take you to its Key's table row.
- Runtime Error information enhancement to include objects associated with error.
- Improved Search window performance.
- Grouping Elements in the Watch window.

Portal Edition Features:

Ability to Filter to Table Rows with Errors – This user requested feature gives you the option to filter a table column to only display rows with errors in that column.

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.