Have You Seen Simio's Updated Portal Application?

Share experiments and scheduling with team members across a hosted or on-premise server

Bring your Simio work to your colleagues with Simio Portal! Simio Portal is a web-based application that allows users to run models and view results on a modern, user-friendly interface. Simio Portal features experimentation and scheduling along with dashboards found in Simio Desktop on an easy-to-use, role-based platform. Simio Portal can be hosted on an on-premises or cloud-based server where model files can simply be uploaded and shared with users with no special changes required.

- Democratize simulation and scheduling results over the web – bringing your modeling findings and data to other users on your team, on the production floor, or in the board room.
- Customers host Portal within their on-premises data center, or their respective Azure, AWS, or Google cloud tenants allowing them to create and execute simulation experiments with unmatched speed.
- Models can be built using any Simio desktop modeling product – for maximum flexibility with custom reports and dashboards, we recommend Simio Professional Edition or Simio RPS Edition.

Want to see Portal and learn more? Check out this presentation from Simio Sync24, by Simio Senior Solutions Engineer Adam Sneath: View Presentation.

New Video: Simio Simulation

Simio's 15+ year history – and your organization's future

Check out our new video, highlighting Simio's rich past as a pioneer of simulation and our commitment to helping you innovate into the next generation.

Watch Here

Register Now for the Simio Solution Series

Upcoming Webinars

Counter Element New Feature & Other Elements: Timer, Monitor, etc.

Thursday, May 16th, 2024 at 11:00AM EDT (3:00 UTC)

During today's session, we will be looking at various Element Definitions available, some of their new features, and how these can be best implemented in your models to track desired indicators and other values throughout the model run. Additionally, we will look at how Elements can support modelers in recording and reporting important information to support your decisions specific to your system and goals.

Register Now

Maintaining and Debugging Custom Libraries

Thursday, June 13th, 2024 at 11:00AM EDT (3:00 UTC)

This session will focus on how to maintain a custom library. Learn how to create and use custom libraries in a project along with tools to debug your custom library behavior. In this

demonstration, we will show how to update a project when changes are made to a custom library. We will also review how to check your custom object is behaving as expected.

Register Now

Batching Logic

Thursday, July 18th, 2024 at 11:00AM EDT (3:00 UTC)

This session will review techniques for incorporating batching behavior into a Simio model. During the talk, the objects and logic that supports this behavior will be introduced in various examples to demonstrate the types of applications that may warrant batching logic for proper model fidelity.

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Watch Previous Webinars

Tips & Tricks from the Simio Team

# NotifyConstraint Step for Constraint Logging

Simio's Constraint Log captures the amount of times that certain items or events restrict entity movement in a model. By default, the types of constraints that can be logged include Resource Availability, Resource Arrival, Material Availability, TransporterPickup, Destination Availability, StationAvailability, Link Availability and Node Availability. For constraining activities that do not fall into one of these categories, but still inhibit certain behaviors from occurring, consider the use of a "NotifyConstraint" step in Process Logic. At the beginning the constraining behavior, specify the type of constraint and the Object or Element that is causing the behavior.

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At the beginning the constraining behavior, specify the type of constraint and the Object or Element that is causing the behavior.
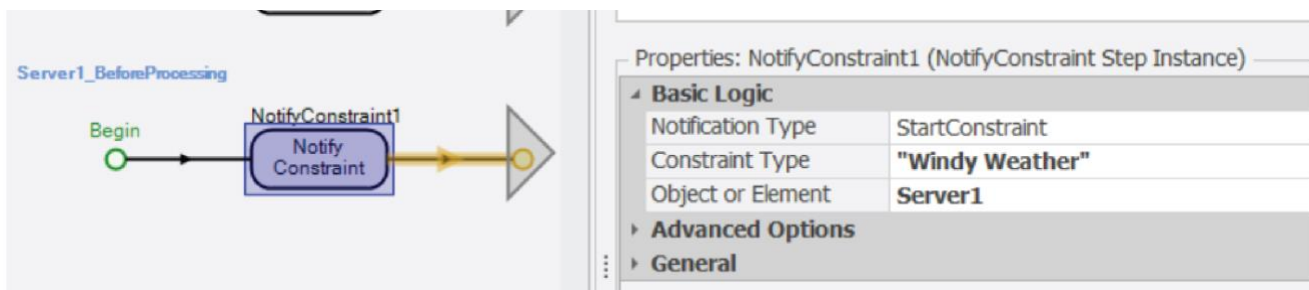
Once the Constraint has been alleviated, use a second "NotifyConstraint" step and specify the *Notification Type* to "EndConstraint".
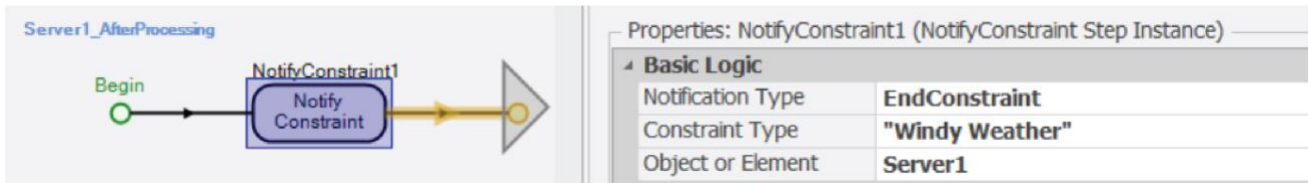
A row will be added to the Constraint Log that is based on the conditions met in the criteria below.

Notification Type

Indicates the type of notification sent to the model's constraint log. If specified as 'StartConstraint', then a new constraint log entry will be created. If specified as 'EndConstraint', then the end timestamp will be logged for the active constraint log entry whose fields match the same entity, constraint type, and constraining object or element.

After the model is run, the custom Constraints will be added to the Log and appear with other default Constraints.

Entity Id	Entity	Task Id	Facility Location	Station	Constraint Type	Constraint Item Id	Constraint Item	Constraint Description	Start Time
DefaultEntity.9	DefaultEntity.9	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:00:12 AM
DefaultEntity.10	DefaultEntity.10	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:00:35 AM
DefaultEntity.11	DefaultEntity.11	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:00:48 AM
DefaultEntity.12	DefaultEntity.12	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:01:00 AM
DefaultEntity.13	DefaultEntity.13	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:01:17 AM
DefaultEntity.14	DefaultEntity.14	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:01:25 AM
DefaultEntity.15	DefaultEntity.15	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:01:40 AM
DefaultEntity.16	DefaultEntity.16	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:01:53 AM
DefaultEntity.17	DefaultEntity.17	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:02:01 AM
DefaultEntity.18	DefaultEntity.18	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:02:08 AM
DefaultEntity.19	DefaultEntity.19	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:02:20 AM
DefaultEntity.20	DefaultEntity.20	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:02:29 AM
DefaultEntity.21	DefaultEntity.21	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:02:44 AM
DefaultEntity.22	DefaultEntity.22	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:02:52 AM
DefaultEntity.23	DefaultEntity.23	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:03:05 AM
DefaultEntity.24	DefaultEntity.24	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:03:12 AM
DefaultEntity.25	DefaultEntity.25	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:03:28 AM
DefaultEntity.26	DefaultEntity.26	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:04:08 AM
DefaultEntity.27	DefaultEntity.27	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:04:46 AM
DefaultEntity.28	DefaultEntity.28	0	Server1	InputBuffer	Windy Weather	Server1	Server1	Server	5/6/2024 12:05:10 AM

-Contribution from Drew Rose, Simio Solutions Engineer