



Mark your calendar!

Simio's Annual User Conference

March 6, 2024



The Simio team is thrilled to announce that our annual Simio Sync user conference will be held virtually on Wednesday, March 6, 2024. We're assembling an incredible lineup of users from a wide range of industries to share their Simio experiences with you. With three months until show time, presenters are busy working on their content so we'll have more details for you in January, but here's a quick snapshot of some of the topics – Adaptive Process Digital Twins, Coupling Simulation with AI/Optimization, Demand Driven Material Requirements Planning, Long Term Planning, Predicting Supply Chain Performance, Multi-site Operational Scheduling, Long Term Plant Maintenance, and Facility Planning & Optimization.

Do you have experience with Simio that you would like to share with other users? If you're interested, Simio Sync isn't the only opportunity for sharing your experience with the Simio ecosystem. In addition to Simio Sync, here are some of the other venues – Simio Solution Series, Simio Blog, Cases Studies, Testimonials, Academic Speaking/Collaboration, and Industry Organizations like IISE. If you're interested in learning more about sharing your Simio experience, please reach out to your Simio contact. If you aren't sure who that is, commercial users please send an email to sales@simio.com or academic@simio.com if you're an academic user.

Join us live at some upcoming events

Winter Simulation Conference

December 10-13, 2024 in San Antonio, TX

Simio is proud to be a Platinum Keynote Sponsor for the upcoming 2023 Winter Simulation Conference, "Simulation for Resilient Systems." We look forward to seeing you at the conference! For more information or to register, visit [their website](#).

IISE Northeast Regional Conference

January 26-27, 2024 in Pittsburgh, PA

Simio is proud to sponsor the 2024 IISE Northeast Regional Conference, "Breaking Barriers," hosted by the Swanson School of Engineering at the University of Pittsburgh on January 26-27, 2024. For more information, visit the event site here: [Home | Pitt Iise Conference \(pitt-iise-conference.com\)](#).

Learn more about Simio & DDMRP

White Paper: "Demand Driven Material Requirements Planning (DDMRP) & Simio Adaptive Process Digital Twins"

Together with DDI (Demand Driven Institute), Simio has co-authored an in-depth whitepaper that covers how Simio's Digital Twin technology supports and continues to innovate within the guiding principles of DDMRP. This paper is an excellent resource for anyone looking to learn more about DDMRP itself, and to better understand how Simio's features can help any organization implement DDMRP.

[Click here to read it now](#)

Learn more about Simio's Academic Program

**Gold-standard simulation software,
free for institutions & students**

Simio has always been committed to the support of simulation in the classroom -- from academic-specific licensing, to textbooks, to teaching materials, Simio's academic team is here for the advancement of the next generation of problem solvers (and their instructors.)

[Click here to read more or watch a video on it.](#)

Simio Student Case Study

Coming Soon: Simio's Next Academic Case Study

Just in time for the spring semester, Simio's Academic team is preparing its next Academic Case Study for release. All materials will be available on December 15, 2023 online. The new Case Study, titled 'Simio Fresh Mex,' involves the development of models for analyzing a made-to-order Mexican food restaurant, and it involves analyzing provided historical data, developing one or more Simio models of the restaurant operation, and using the model(s) to help determine the staffing, task allocation, and task prioritization throughout the day to meet the store's customer service and resource cost goals.

Materials will be released at the link below on December 15, 2023.

[Read more and view last semesters case study](#)

Are you a Flow Library user?

We need your feedback!

If you aren't familiar, Simio Flow Library is a set of 10 pre-built objects within Simio that can be used to model flow processing systems. These may be continuous or semi-continuous processes that involve tanks, pipes, movable fluid containers, valves, flow rates, etc. Flow may also be integrated with Standard Library (discrete) modeling using the FlowToItemConverter, or ItemToFlowConverter objects.

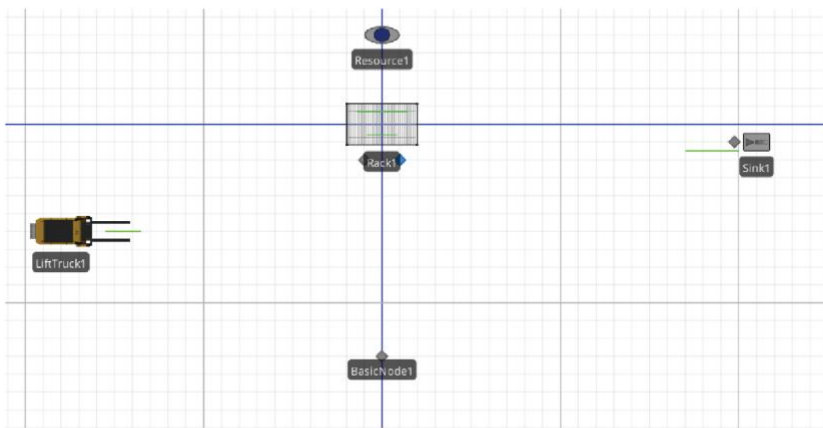
Simio needs your help! We would like to hear your thoughts about Flow. Understanding your experiences and needs on this topic will help us improve your Simio experience. Our product planning, technical support, and user training teams are standing by to hear what you have to say!

[Please click here to take this quick survey.](#)

Tips & Tricks from the Simio Team

When using Objects that don't have the option to Log Resource Usage, a parallel resource can be helpful to capture desired statistics. For example, to capture the ScheduledUtilization of a Rack, consider adding a Resource in parallel, and use Add-On Process Triggers to create logic to "Seize" and "Release" the Resource at the times a part is being loaded onto the Vehicle. In this example, an Add-On Process that occurs when an Entity enters the Transfer Node (Titled "Output_Rack1_Entered") captures this logic and allows the user to capture statistics on the frequency of use of that particular rack. This logic can apply to different objects and different statistics alike.

- Contribution from Drew Rose, Simio Solutions Engineer

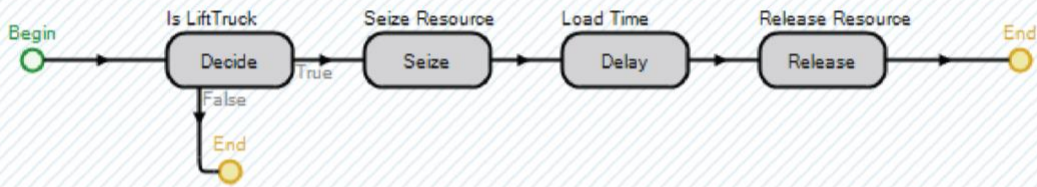


Properties: Output@Rack1 (TransferNode)

Initial Traveler Capacity	Infinity
Entry Ranking Rule	First In First Out
Entry Exemption Condition	TransferNode.RideOnTransporter ...
Routing Logic	
Outbound Travel Mode	Continue
Outbound Link Preference	Any
Outbound Link Rule	Shortest Path
Entity Destination Type	Continue
Transport Logic	
Ride On Transporter	Always
Transporter Selection	
Transporter Type	Specific
Transporter Name	LiftTruck1
Reservation Method	Reserve Closest
Selection Goal	Preferred Order
Selection Condition	
Transporter Status On Drop-Off	
Keep Reserved If	
State Assignments	
Tally Statistics	
Add-On Process Triggers	
Run Initialized	
Run Ending	
Entered	Output_Rack1_Entered
Exited	
Advanced Options	
General	
Animation	

Output@Rack1 Add-On Processes

Output_Rack1_Entered



Average						Drop Column Fields Here
Object Type	Object Name	Data Source	Category	Data Item	Statistic	Average Total
LiftTruck	LiftTruck1	[Population]	Capacity	ScheduledUtilization	Percent	32.5015
	LiftTruck1[1]	[Resource]	Capacity	ScheduledUtilization	Percent	32.5015
Resource	Resource1	[Resource]	Capacity	ScheduledUtilization	Percent	25.0000



Missing the Solution Series?

[Watch previous sessions here](#)

If you're looking for helpful tips and tricks or new concepts for use with Simio, our Solution Series library of past sessions provides recordings of all previous sessions. The Solution Series agenda for 2024 will be updated soon!

[Catch up on previous webinars here](#)



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