



Simio University has been Reimagined

Coming March 2025

In March 2025, we're launching Simio's most flexible and comprehensive training experience yet. Our newly reimagined training platform combines on-demand video content with interactive workshops, giving you full control over your learning experience.

What's Coming?

- [Condensed Initial Course](#) – Get started with a streamlined 1-day foundational course.
- [Topic-Specific Modules](#) – Choose stand-alone modules that align with your interests.
- [New Content](#) – Continuously expanding with engaging topics and deeper insights.
- [Live Engagement](#) – Participate in periodic webinars and connect with Simio experts.

A Smarter Way to Learn Simio

Learn Simio independently, on your schedule and [at your own pace](#).

Start with the foundational course—[Learning Simio: Getting Started](#)—a concise one-day fundamentals course. Then, customize your learning journey with stand-alone, topic-specific modules that align with your interests and needs.

Curious about what's offered? Here are examples of topic-specific modules:

- [Advanced Task Sequences](#)
- [Constraint Logic](#)
- [Custom Objects](#)
- [Simio Processes](#)
- [Data Tables and External Data](#)
- [Experimentation and Optimization](#)
- [Model Debugging](#)

- [Templates](#)

Have a topic you'd like us to cover? Let us know— we're committed to expanding our content to meet your needs.

Unlike traditional workshops and training programs, the new Simio University (SimioU) puts you in control. You'll be actively building models, applying concepts, and progressing from fundamentals to advanced techniques at your own pace. New modules will be added continuously, providing a steady stream of new learning opportunities. Plus, SimioU subscribers can join Simio Learning Bytes, our periodic training-focused webinars, for additional insights and live engagement with Simio experts. Rest assured, our legacy courses will remain available for those who prefer them, ensuring that all users can find the training format that best suits their needs.

Get ready to elevate your Simio learning journey—
from mastering the basics to sharpening expert skills!

The reimagined Simio University launches next month

New on the Blog:

"A Transformative Approach to Production Scheduling Using Discrete Event Digital Twin Simulation in Manufacturing"

The newest Simio blog post explores how Discrete Event Digital Twin Simulation can transform your production scheduling. Simio's powerful combination of simulation, integration with real-time data, and AI-driven optimization helps you overcome complexity, improve efficiency, and make smarter, data-driven decisions. Identify bottlenecks, optimize resource allocation, and confidently adapt to dynamic changes. With a Simio Digital Twin, you gain the insights needed to address challenges and continuously optimize operations for both short and long-term success.

[Read More Here](#)



Register Now for the Simio Solution Series

Upcoming Webinars

Building Blocks of Simio Modeling - Part II

Wednesday, March 19, 2025, at 11:00AM EST (4:00 UTC)

Our 3-part series continues with Building Blocks of Simio Modeling – Part II. In Part I, we learned how to begin building Simio discrete event digital twin simulation models. In this second installment, we will build on those topics by introducing new capabilities to add detail and complexity to models. We will introduce data and explore how to leverage it in object properties, tasks and requirements, and entity routes. Finally, we will explore new ways to visualize model flow by using dynamic visuals and plots to track model behavior. Whether you're new to simulation or aiming to expand your expertise, this second session will deepen your understanding of core principles and provide actionable insights to elevate your modeling skills.

[Register Now](#)

Building Blocks of Simio Modeling - Part III

Wednesday, April 23, 2025, at 11:00AM EST (4:00 UTC)

The final installment of our 3-part series, Building Blocks of Simio Modeling – Part III, concludes by focusing on project-specific techniques for effectively producing and visualizing results. Building on the foundational skills introduced in Parts I and II, this session explores custom object development, enabling Simio users to create models tailored to specific industries or applications. Additionally, we will introduce output tables and dashboard reports as powerful tools to enhance the analysis and presentation of simulation results. By the end of this 3-part series, participants will have a comprehensive understanding of Simio's core concepts and the skills needed to confidently build and refine discrete event digital twin simulation models.

[Register Now](#)

[Watch Previous Webinars](#)

Don't Miss the Spring 2025 Academic Case Study **Simio Smoke Pit Targets Restaurant Bottlenecks**

The newest Academic Case Study is available for download: can your students help Simio Smoke Pit, the area's best takeout-only BBQ spot eliminate its bottlenecks and increase customer satisfaction? Due to lengthy cook times and staffing challenges, Simio Smoke Pit is experiencing longer wait times than normal; with many factors to consider to eliminate its service bottlenecks, can your students help guide the management to a solution? Instructors: please follow the instructions at the link below to register for all resources.

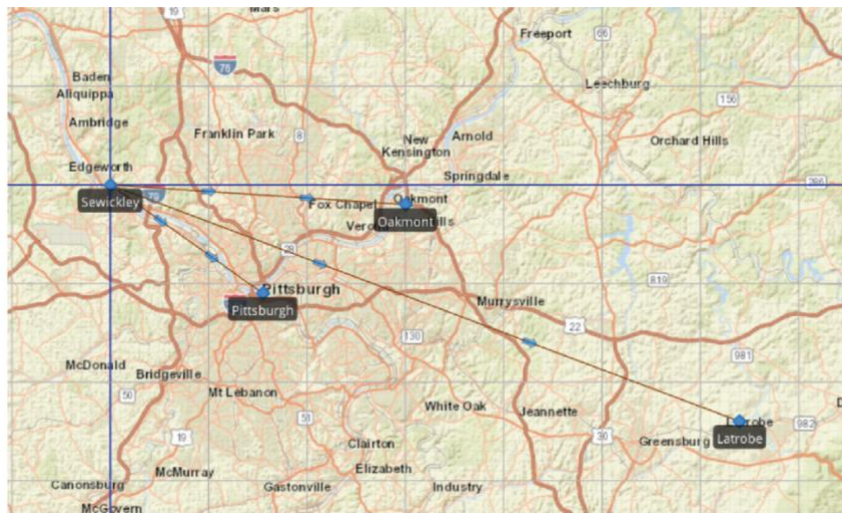
[Learn More](#)

Tips & Tricks from the Simio Team

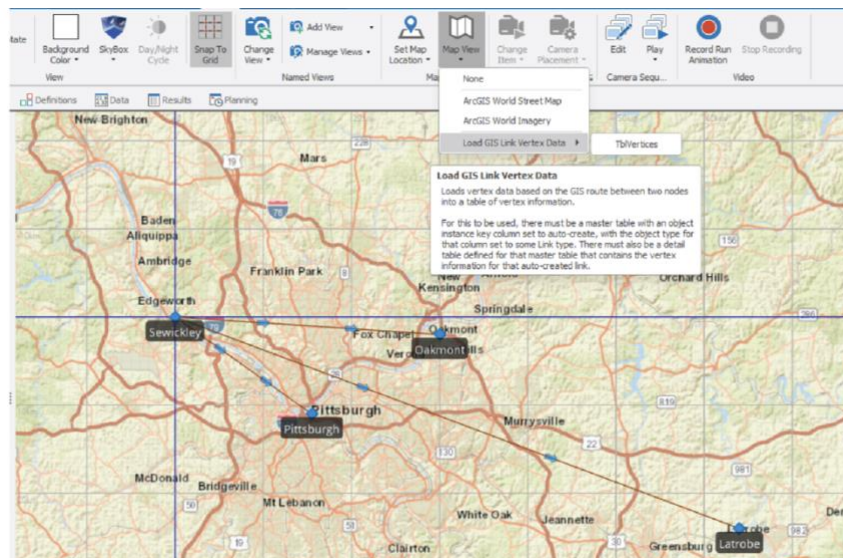
Auto-Created Paths incorporating ArcGIS

In Simio Sprint Release 18.270, a new feature was added into the application that allows users to automatically generate Paths into a model that follow the roadways defined within ArcGIS. Prior to this feature addition, creating pathways that follow a roadmap would be performed manually.

In this example, a few Points of Interest have been generated from a data table and placed on the Facility View. Additionally, the ArcGIS World Street Map has been enabled to display the Map View on the Facility.



When auto-creating pathways using data tables, unless directly specified, pathways will be created in a straight line based on the location of the start and end nodes. New to Simio is the option to Load GIS Link Vertex Data. With this feature, as long as the table schema meets the requirements defined on the tool tip (sample table requirements seen below), the vertex data of each pathway between points of interested will be queried and loaded into the table that defines the vertices.



Processes Definitions **Data** Results Planning

Tbl Locations Tbl Paths Tbl Vertices

	Location	Type	X	Z
1	Pittsburgh	TransferNode	15500	11000
2	Sewickley	TransferNode	0	0
3	Oakmont	TransferNode	30000	2000
4	Latrobe	TransferNode	64000	24000
▶				

Processes Definitions **Data** Results

Tbl Locations Tbl Paths Tbl Vertices

	Path	Start Node	End Node
1	Path1	Sewickley	Pittsburgh
2	Path2	Sewickley	Oakmont
3	Path3	Sewickley	Latrobe
▶			

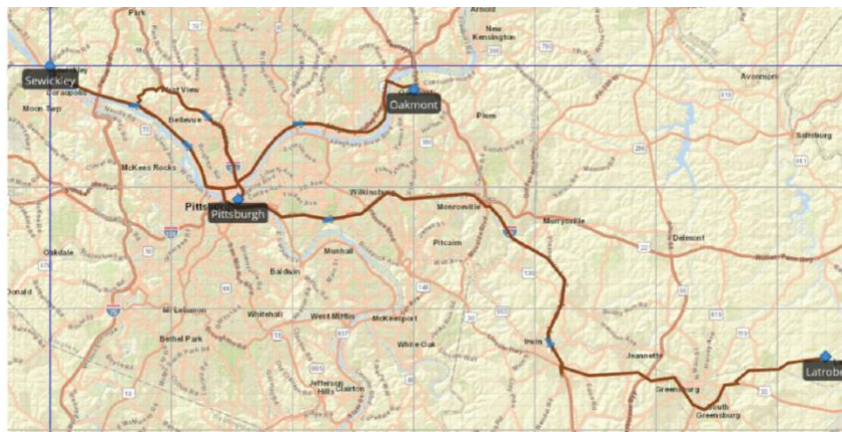
Processes Definitions **Data** Results

Tbl Locations Tbl Paths Tbl Vertices

	Path	Vertex X	Vertex Z
▶			

The 'TblVertices' table will appear blank prior to loading in this data, but once enabled, the table will populate with the vertex data and the pathways will update accordingly.

	Tbl Locations	Tbl Paths	Tbl Vertices	
		Path	Vertex X	Vertex Z
35		Path1	15195.1560...	8815.67459...
36		Path1	15368.5034...	9514.87204...
37		Path1	15943.6792...	10309.7828...
38		Path1	15918.8443...	10571.6478...
39		Path1	15614.6550...	10984.5268...
40		Path1	15499.8800...	10999.8938...
41		Path2	5.55316257...	-8.3618512...
42		Path2	410.154299...	553.647178...
43		Path2	288.337125...	782.272139...
44		Path2	860.633703...	1116.33548...
45		Path2	3684.40125...	2320.54450...
46		Path2	7321.99508...	3316.61322...
47		Path2	7982.60280...	3853.29435...
48		Path2	8881.54114...	4287.96989...
49		Path2	11470.5475...	6671.14736...
50		Path2	12491.8587...	8556.20410...
51		Path2	12833.9570...	9878.35793...
52		Path2	13362.5694...	10086.4402...
53		Path2	14460.8182...	10123.1795...
54		Path2	15341.1177...	9955.94280...
55		Path2	15651.8147...	9450.06116...
56		Path2	16552.5125...	8795.97949...
57		Path2	17863.2636...	6844.91041...
58		Path2	18585.6639...	5993.76468...
59		Path2	19452.6115...	5258.86744...
60		Path2	20460.9075...	4773.32382...
61		Path2	22164.5127...	4790.23978...
62		Path2	24826.8788...	5437.53419...
63		Path2	26167.4140...	5475.15993...



Consider making use of this new functionality for all of your logistics modeling endeavors!

-Contribution from Drew Rose, Simio Solutions Engineer



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