



Simio 17 is now available for download!

Newest major release includes exciting new features

At Simio, we are always working to provide more out-of-the-box value to our customers and to meet the demands of current real-world operational challenges – and the Simio 17 major release delivers, bringing you these exciting updates:

- **Path Planner Element:** automatically solves the deadlock avoidance problem - one of the most difficult challenges faced when using bi-directional travel paths with multiple vehicles
- **Network Element:** when combined with the Path Planner Element, allows easy modeling of sophisticated multi-vehicle allocation and path planning algorithms, facilitating performance estimation and optimization of large-scale multi-vehicle systems (such as AGV and AMR-based material handling systems)
- **Visual & Hierarchy Enhancements:**
 - **Node-based animated 3D symbols**
 - **Node external animation**
 - **Access tables in sub-models**
 - **Auto-create enhancement**

Ready to download Simio 17? Read the full release notes and download it here: [Full Release Notes](#).

Want to see these new features in action? Check out a demonstration of these features and more in the Simio Sync24 presentation detailing the Simio 17 release updates here: [Watch Video Here](#).

[More New Features Here](#)



The Simio Solution Series is Back for April!

Upcoming Webinars

Warehouse Modeling Techniques and Best Practices

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

The surge towards leaner supply chains, and more agile distribution networks, have made warehouse and distribution center simulations more valuable than ever. This session will cover the latest cutting-edge Simio warehouse modeling techniques including inventory tracking in data, to scale efficiently for large systems, plus network and path planning features for deadlock avoidance and dynamic routing in automated picking environments.

[Register Now](#)

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.

[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](#)

[Watch Previous Webinars](#)

Did we see you at LogiMAT?

Simio International Partner attended in Stuttgart March 19-21

LogiMAT Stuttgart is a conference held in Germany that showcases intrasolutions from hardware, such as robotics and advanced conveyor systems, to software that analyzes each step of the processes, and seeks to improve the entirety of a system. Simio International Partner ATS Prozessoptimierung attended LogiMAT and demonstrated how Simio handles process improvements on the manufacturing floor and the warehouse alike. If you attended the conference, we hope that you met with Markus at ATS to learn how Simio can be applied to all process challenges, such as identifying bottlenecks, justifying CAPEX projects, or cutting costs.

Hope to see you next year!

Tips & Tricks from the Simio Team

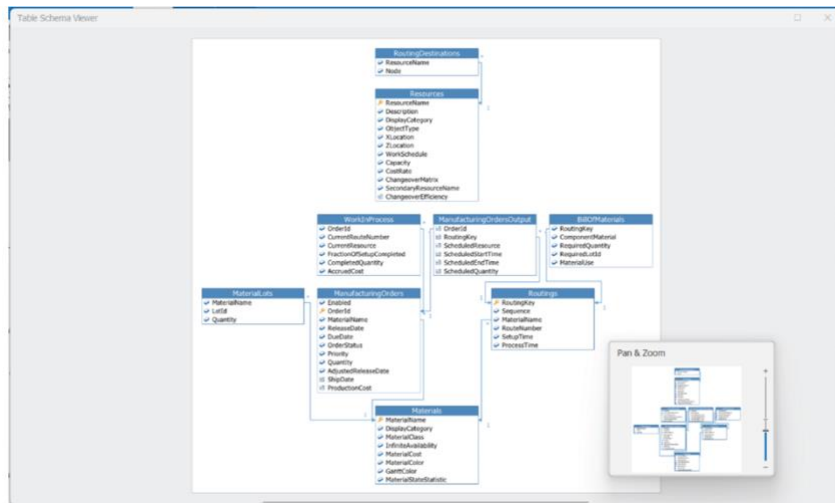
Table Schema Viewer

In Simio 17.261, the latest major release, users have the ability to now see the relationships that exist between data tables in a model. Using Primary and Foreign Keys, the Table Schema Viewer details what rows of information can be found across the tables. In "SchedulingDiscretePartProduction", an example model available for review to all modelers, we are able to see how the manufacturing data is related to each other to execute the model properly and produce a Production Schedule.

-Contribution from Drew Rose, Simio Solutions Engineer and Caleb Whitehead, Applications Engineer

Table	Description	Display Category	Object Type	Location (Parent)	Location (Child)	Work Schedule	Capacity	CostRate (Default Currency per Hour)	Changeover Rate
CU1	Cut		ScheduleReference	1,1	0	ShiftWeek	1	0	0
CU1_1	Cut_1	Cut	ScheduleReference	4	2	ShiftWeek	1	20	Material/Quantity
CU1_2	Cut_2	Cut	ScheduleReference	4	7	ShiftWeek	1	20	Material/Quantity
Shape	Shape		ScheduleReference	1	1	ShiftWeek	1	0	0
Shape_1	Shape_1	Shape	ScheduleReference	1	2	ShiftWeek	1	20	0
Shape_2	Shape_2	Shape	ScheduleReference	1	3	ShiftWeek	1	20	0
Shape_3	Shape_3	Shape	ScheduleReference	1	4	ShiftWeek	1	20	0
Shape_4	Shape_4	Shape	ScheduleReference	1	5	ShiftWeek	1	20	0
Shape_5	Shape_5	Shape	ScheduleReference	1	6	ShiftWeek	1	20	0
Shape_6	Shape_6	Shape	ScheduleReference	1	7	ShiftWeek	1	20	0
Shape_7	Shape_7	Shape	ScheduleReference	1	8	ShiftWeek	1	20	0
Shape_8	Shape_8	Shape	ScheduleReference	1	9	ShiftWeek	1	20	0
Shape_9	Shape_9	Shape	ScheduleReference	1	10	ShiftWeek	1	20	0
Shape_10	Shape_10	Shape	ScheduleReference	1	11	ShiftWeek	1	20	0
Shape_11	Shape_11	Shape	ScheduleReference	1	12	ShiftWeek	1	20	0
Shape_12	Shape_12	Shape	ScheduleReference	1	13	ShiftWeek	1	20	0
Shape_13	Shape_13	Shape	ScheduleReference	1	14	ShiftWeek	1	20	0
Shape_14	Shape_14	Shape	ScheduleReference	1	15	ShiftWeek	1	20	0
Shape_15	Shape_15	Shape	ScheduleReference	1	16	ShiftWeek	1	20	0
Shape_16	Shape_16	Shape	ScheduleReference	1	17	ShiftWeek	1	20	0
Shape_17	Shape_17	Shape	ScheduleReference	1	18	ShiftWeek	1	20	0
Shape_18	Shape_18	Shape	ScheduleReference	1	19	ShiftWeek	1	20	0
Shape_19	Shape_19	Shape	ScheduleReference	1	20	ShiftWeek	1	20	0
Shape_20	Shape_20	Shape	ScheduleReference	1	21	ShiftWeek	1	20	0
Shape_21	Shape_21	Shape	ScheduleReference	1	22	ShiftWeek	1	20	0
Shape_22	Shape_22	Shape	ScheduleReference	1	23	ShiftWeek	1	20	0
Shape_23	Shape_23	Shape	ScheduleReference	1	24	ShiftWeek	1	20	0
Shape_24	Shape_24	Shape	ScheduleReference	1	25	ShiftWeek	1	20	0
Shape_25	Shape_25	Shape	ScheduleReference	1	26	ShiftWeek	1	20	0
Shape_26	Shape_26	Shape	ScheduleReference	1	27	ShiftWeek	1	20	0
Shape_27	Shape_27	Shape	ScheduleReference	1	28	ShiftWeek	1	20	0
Shape_28	Shape_28	Shape	ScheduleReference	1	29	ShiftWeek	1	20	0
Shape_29	Shape_29	Shape	ScheduleReference	1	30	ShiftWeek	1	20	0
Shape_30	Shape_30	Shape	ScheduleReference	1	31	ShiftWeek	1	20	0
Shape_31	Shape_31	Shape	ScheduleReference	1	32	ShiftWeek	1	20	0
Shape_32	Shape_32	Shape	ScheduleReference	1	33	ShiftWeek	1	20	0
Shape_33	Shape_33	Shape	ScheduleReference	1	34	ShiftWeek	1	20	0
Shape_34	Shape_34	Shape	ScheduleReference	1	35	ShiftWeek	1	20	0
Shape_35	Shape_35	Shape	ScheduleReference	1	36	ShiftWeek	1	20	0
Shape_36	Shape_36	Shape	ScheduleReference	1	37	ShiftWeek	1	20	0
Shape_37	Shape_37	Shape	ScheduleReference	1	38	ShiftWeek	1	20	0
Shape_38	Shape_38	Shape	ScheduleReference	1	39	ShiftWeek	1	20	0
Shape_39	Shape_39	Shape	ScheduleReference	1	40	ShiftWeek	1	20	0
Shape_40	Shape_40	Shape	ScheduleReference	1	41	ShiftWeek	1	20	0
Shape_41	Shape_41	Shape	ScheduleReference	1	42	ShiftWeek	1	20	0
Shape_42	Shape_42	Shape	ScheduleReference	1	43	ShiftWeek	1	20	0
Shape_43	Shape_43	Shape	ScheduleReference	1	44	ShiftWeek	1	20	0
Shape_44	Shape_44	Shape	ScheduleReference	1	45	ShiftWeek	1	20	0
Shape_45	Shape_45	Shape	ScheduleReference	1	46	ShiftWeek	1	20	0
Shape_46	Shape_46	Shape	ScheduleReference	1	47	ShiftWeek	1	20	0
Shape_47	Shape_47	Shape	ScheduleReference	1	48	ShiftWeek	1	20	0
Shape_48	Shape_48	Shape	ScheduleReference	1	49	ShiftWeek	1	20	0
Shape_49	Shape_49	Shape	ScheduleReference	1	50	ShiftWeek	1	20	0
Shape_50	Shape_50	Shape	ScheduleReference	1	51	ShiftWeek	1	20	0
Shape_51	Shape_51	Shape	ScheduleReference	1	52	ShiftWeek	1	20	0
Shape_52	Shape_52	Shape	ScheduleReference	1	53	ShiftWeek	1	20	0
Shape_53	Shape_53	Shape	ScheduleReference	1	54	ShiftWeek	1	20	0
Shape_54	Shape_54	Shape	ScheduleReference	1	55	ShiftWeek	1	20	0
Shape_55	Shape_55	Shape	ScheduleReference	1	56	ShiftWeek	1	20	0
Shape_56	Shape_56	Shape	ScheduleReference	1	57	ShiftWeek	1	20	0
Shape_57	Shape_57	Shape	ScheduleReference	1	58	ShiftWeek	1	20	0
Shape_58	Shape_58	Shape	ScheduleReference	1	59	ShiftWeek	1	20	0
Shape_59	Shape_59	Shape	ScheduleReference	1	60	ShiftWeek	1	20	0
Shape_60	Shape_60	Shape	ScheduleReference	1	61	ShiftWeek	1	20	0
Shape_61	Shape_61	Shape	ScheduleReference	1	62	ShiftWeek	1	20	0
Shape_62	Shape_62	Shape	ScheduleReference	1	63	ShiftWeek	1	20	0
Shape_63	Shape_63	Shape	ScheduleReference	1	64	ShiftWeek	1	20	0
Shape_64	Shape_64	Shape	ScheduleReference	1	65	ShiftWeek	1	20	0
Shape_65	Shape_65	Shape	ScheduleReference	1	66	ShiftWeek	1	20	0
Shape_66	Shape_66	Shape	ScheduleReference	1	67	ShiftWeek	1	20	0
Shape_67	Shape_67	Shape	ScheduleReference	1	68	ShiftWeek	1	20	0
Shape_68	Shape_68	Shape	ScheduleReference	1	69	ShiftWeek	1	20	0
Shape_69	Shape_69	Shape	ScheduleReference	1	70	ShiftWeek	1	20	0
Shape_70	Shape_70	Shape	ScheduleReference	1	71	ShiftWeek	1	20	0
Shape_71	Shape_71	Shape	ScheduleReference	1	72	ShiftWeek	1	20	0
Shape_72	Shape_72	Shape	ScheduleReference	1	73	ShiftWeek	1	20	0
Shape_73	Shape_73	Shape	ScheduleReference	1	74	ShiftWeek	1	20	0
Shape_74	Shape_74	Shape	ScheduleReference	1	75	ShiftWeek	1	20	0
Shape_75	Shape_75	Shape	ScheduleReference	1	76	ShiftWeek	1	20	0
Shape_76	Shape_76	Shape	ScheduleReference	1	77	ShiftWeek	1	20	0
Shape_77	Shape_77	Shape	ScheduleReference	1	78	ShiftWeek	1	20	0
Shape_78	Shape_78	Shape	ScheduleReference	1	79	ShiftWeek	1	20	0
Shape_79	Shape_79	Shape	ScheduleReference	1	80	ShiftWeek	1	20	0
Shape_80	Shape_80	Shape	ScheduleReference	1	81	ShiftWeek	1	20	0
Shape_81	Shape_81	Shape	ScheduleReference	1	82	ShiftWeek	1	20	0
Shape_82	Shape_82	Shape	ScheduleReference	1	83	ShiftWeek	1	20	0
Shape_83	Shape_83	Shape	ScheduleReference	1	84	ShiftWeek	1	20	0
Shape_84	Shape_84	Shape	ScheduleReference	1	85	ShiftWeek	1	20	0
Shape_85	Shape_85	Shape	ScheduleReference	1	86	ShiftWeek	1	20	0
Shape_86	Shape_86	Shape	ScheduleReference	1	87	ShiftWeek	1	20	0
Shape_87	Shape_87	Shape	ScheduleReference	1	88	ShiftWeek	1	20	0
Shape_88	Shape_88	Shape	ScheduleReference	1	89	ShiftWeek	1	20	0
Shape_89	Shape_89	Shape	ScheduleReference	1	90	ShiftWeek	1	20	0
Shape_90	Shape_90	Shape	ScheduleReference	1	91	ShiftWeek	1	20	0
Shape_91	Shape_91	Shape	ScheduleReference	1	92	ShiftWeek	1	20	0
Shape_92	Shape_92	Shape	ScheduleReference	1	93	ShiftWeek	1	20	0
Shape_93	Shape_93	Shape	ScheduleReference	1	94	ShiftWeek	1	20	0
Shape_94	Shape_94	Shape	ScheduleReference	1	95	ShiftWeek	1	20	0
Shape_95	Shape_95	Shape	ScheduleReference	1	96	ShiftWeek	1	20	0
Shape_96	Shape_96	Shape	ScheduleReference	1	97	ShiftWeek	1	20	0
Shape_97	Shape_97	Shape	ScheduleReference	1	98	ShiftWeek	1	20	0
Shape_98	Shape_98	Shape	ScheduleReference	1	99	ShiftWeek	1	20	0
Shape_99	Shape_99	Shape	ScheduleReference	1	100	ShiftWeek	1	20	0
Shape_100	Shape_100	Shape	ScheduleReference	1	101	ShiftWeek	1	20	0

Resource Name	Description	Display Category	Object Type	Location (Meters)	ZLocation (Meters)	Work Schedule	Capacity	CostRate (Default Currency per Hour)	Changeover Matrix
1	Cut	Cut	SchedTransferNode	-7.5	5	5DayWeek	1	0	
2	Cut1	Cut1	SchedServer	-4	2	5DayWeek	1	20	MaterialColorMatrix
3	Cut2	Cut2	SchedServer	-4	7	5DayWeek	1	20	MaterialColorMatrix
4	Shape	Shape	SchedTransferNode	5	-1	5DayWeek	1	0	
5	Shape1	Shape1	SchedServer	1	-2	5DayWeek	1	20	
6	Shape2	Shape2	SchedServer	8	-2	5DayWeek	1	20	
7	Weld	Weld	SchedTransferNode	5	11	5DayWeek	1	0	
8	Weld1	Weld1	SchedServer	1	12	5DayWeek	1	20	
9	Weld2	Weld2	SchedServer	9	12	5DayWeek	1	20	
10	Finish	Finish	SchedTransferNode	12	5	5DayWeek	1	0	
11	Finish1	Finish1	SchedServer	15	2	5DayWeek	1	20	
12	Finish2	Finish2	SchedServer	15	8	5DayWeek	1	20	
13	Team1	Team 1 Wo...	SchedWorker	-13.5	-5.5	5DayWeek	2	20	
14	Team2	Team 2 Wo...	SchedWorker	-13.5	-2	5DayWeek	2	20	
15	MoArmvale	MoArmvale	SchedSource	-14	5	5DayWeek	1	0	
16	Ship	Ship	SchedSink	20	5	5DayWeek	1	0	



Edition: April 2024

Simio LLC, 504 Beaver Street, Sewickley, PA 15143

© 2024 Copyright [Contact](#) [Privacy Policy](#)