

Microsoft® Office® | Visio® 64bit Support

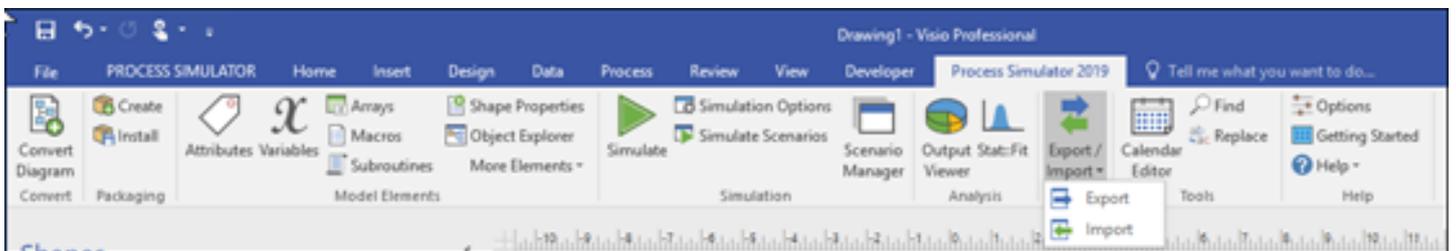
Process Simulator now supports all versions and editions of Visio 2016 and 2019 with Service Pack 2.

Localization and Internationalization

Process Simulator now supports internationalization or numeric separators, including date and time. Additionally, we now have localization for English, German, Portuguese, and Spanish languages.

Import / Export via Microsoft Excel

Model information is exportable to Excel not only to view it all in one place but also to modify it and import it back into Process Simulator. Model building and management is easier than ever before.



After exporting to Excel, the model elements will be separated and organized into individual sheets in the workbook. To view the different sheets, select the desired tab at the bottom of the workbook.

Activity	Capacity		Time	(Resource)			Logic	Availability			
	Activity	Input Buffer		Output Buffer	Name	Priority		Keep	Percent	Calendar	(Interrupt)
Stamping	1	0	0					100			
Weld_Assy	3	0	0				Use WA1 F 100				
Shipping	Inf	0	0					100			
Daily_Milk_Run	Inf	0	0				Wait Until 100				
Michigan_Steel	Inf	0	0					100			
OXOX	1	0	0				Int LH_Rev 100				
1_x_Daily	Inf	0	0					100			
Initialize_Inventory_and_Reset_Stats	1	0	0				Inc (v_Tot) 100				



Dockable Windows

All element property windows and tables have been redesigned and have been made dockable within the Visio application workspace. This allows you to keep them open and out of the way so your diagram view space will be clear for quicker modeling changes.

The screenshot displays the Visio application workspace with a process diagram and several dockable windows. The diagram shows a flow starting with a 'Customer' resource leading to a 'Take Application' activity, followed by a decision diamond 'First Application?'. From there, the flow branches into two paths: one leading to 'Credit Check' and another to 'Search Bad Debt List'. Both paths converge at a second decision diamond 'In Bad Debt List?'. From this diamond, the flow goes to 'Send Demand Notice' and then to 'Send Approval Notice'. A 'New Card' resource is also shown in the diagram.

The 'Shape Properties' window is docked on the right, showing the 'ACTIVITY' tab for 'Take_Application'. It includes fields for Name, Capacity (1), Time (U(3, 1) Min), Statistics (checked), and Hourly Cost (0). Below this are expandable sections for Availability, Resource, Buffers, Batching, Setup, Downtimes, Notes, and Advanced.

The 'Attributes' window is docked at the bottom left, containing a table with the following data:

Name	Type	Initial Value
Attr1	Integer	0
Attr2	Integer	0
Attr3	Integer	0

The 'Variables' window is docked at the bottom right, containing a table with the following data:

Name	Type	Initial Value
vcredit_pass	Integer	0
von_bad_debt_list	Integer	0
vcredit_percentage	Real	0.75
vbad_debt_percentage	Real	0.8

Referenced Hierarchical Models

Submodels now have the ability to be referenced in addition to their current capability of unique instances. This means that activities linking to the same submodel at different points in your diagram will send their entities to that submodel (and not just unique copies of the submodel).

Global Elements across Pages

In support of the referenced submodels, all model elements (e.g. activities, resources, variables, attributes, macros, etc.) will be globally accessible across pages (no more duplicating model elements on each page). This also allows you to utilize multiple pages to build your model without the use of the submodel construct.

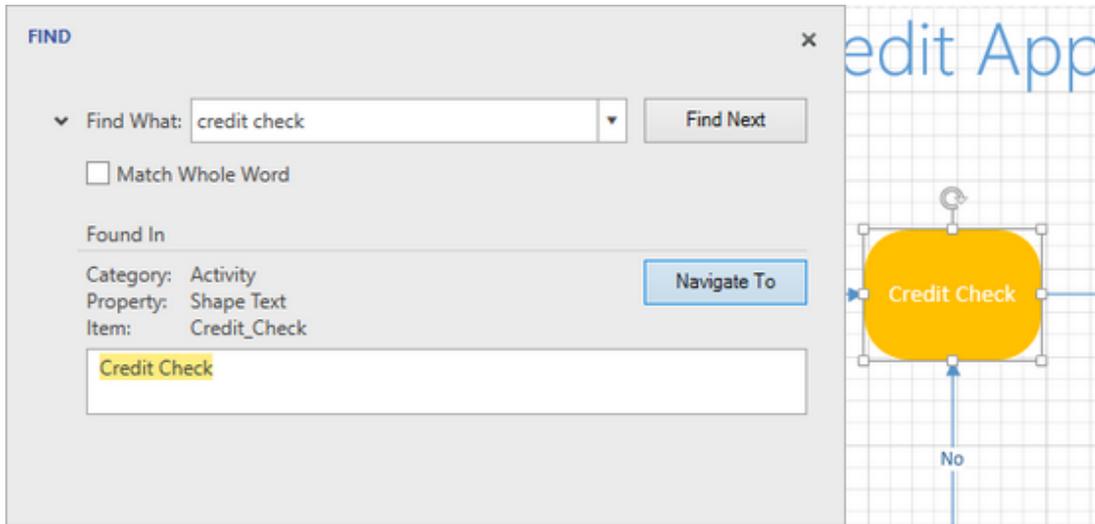
Read/Write Data to Text Files

Write out data from your model to a text or CSV file for model troubleshooting or verification. You can also use it to log custom statistics for import and analysis in Excel or another data analysis tool.



Find and Replace

Process Simulator now has its own find and replace capability, separate from Visio, and will search across its elements and objects only. It even automatically brings the shape into view and opens the associated property or field where the searched text is found.



Model Compile List

When you run your model, it is checked for errors prior to simulation. In this release, you are presented with a list of all errors, which allows you to quickly navigate to and resolve the issues.

Category	Field	Item	Value	Error Message
1 Entity	Initial Cost	Work_Unit	VarCost	Must be one of the following: Number greater than or e
2 Activity	Output Buffer	Activity_	Var1	Must be one of the following: Whole Number greater th
3 Activity	Duration	Activity_4	vCycleTime	Must be one of the following: Number greater than or e
4 Arrival	Periodic Quantity	Work_Unit at Activity_	VarQty	Must be one of the following: Whole Number greater th

Upgrade Existing Models

You can convert existing models to its new format! This is done by simply clicking the **Convert button** in the Process Simulator 2019 ribbon. During this process a backup of your original model is automatically saved for you (with a .psbkp extension). However, it is highly recommended that you save a copy of your original models prior to taking them through the upgrade process.

