

■ Process Simulator 2019 – SubModels

- Connecting models to each other



What are Hierarchical Models?

- Hierarchical models are simply models that are built on top of models (or submodels).
- It's a way of rolling-up detailed processes into high level views, or “black box-ing” areas of your model at a higher level.

Creating a Submodel

- Process Simulator allows you to model detailed processes and link them to a higher level process or summary view.
- The first step is to create a submodel. This submodel could be an entirely separate Visio (.vsdx) file, or simply another page within your existing model.

- To create a sub-model within your current model, select the New Page icon at the bottom of the Visio screen.

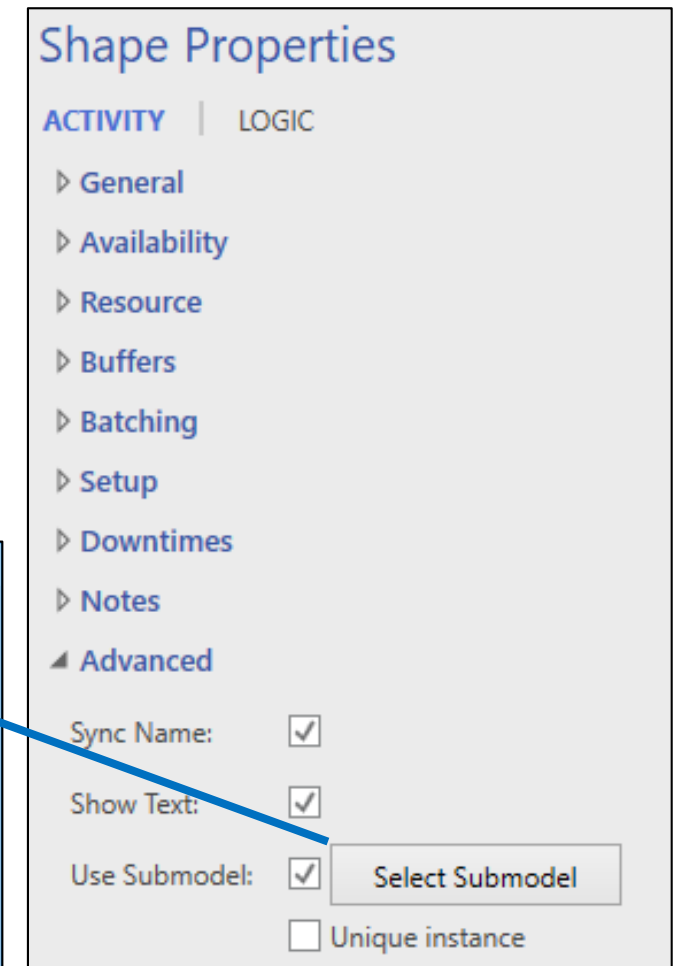
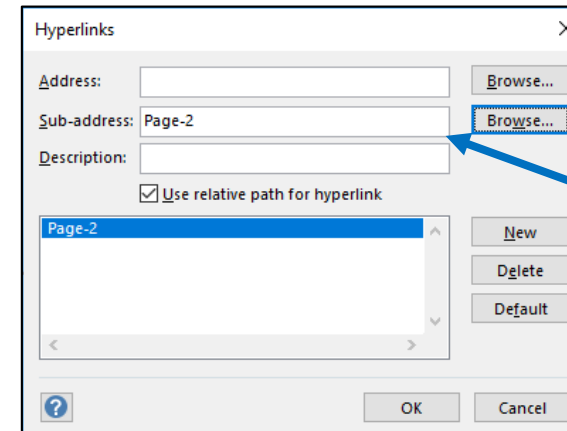
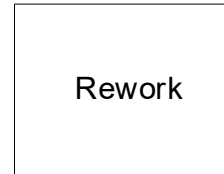


- On the New Page (i.e. Page-2), you can create a separate model.
- The second step will be to create a link between the two pages.



Defining a Submodel

- Select the parent activity you wish to link to a submodel
- Select Advances in the Shape Properties. You can Enable or Disable the use of this submodels within your Process Simulator logic by selecting or deselecting "Use Submodel"
- Check Use Submodel. And Select the submodel to use.
 - Enter the Visio file name or the Page name and click OK
 - For pages within the same .vsdx, use the "Sub-address" field
 - To link to other .vsdx files (on a hard drive or network drive), use the "Address" field





Hierarchical Modeling Rules

- If the Submodel checkbox is checked for an activity, there must be a submodel defined.
- Entities enter a submodel at an activity that has either:
 - No incoming routing connection
 - An arrival connection with "Input to Submodel" checkbox checked
- Entities either exit the model from their submodel, or route back to the parent if the "Output from Submodel" checkbox is checked.

