

How to Bridge the Flows between Parent and Sub-Diagrams?

Written Date : January 13, 2015

When modeling complex systems, we often use the sub-diagram to elaborate a particular elements in details. This helps to keep our design clean and context sensitive. However, in previous versions, sub-diagram didn't explain how the flows were associated between parent element and the child diagram. In <u>Visual Paradigm</u>, you can now display the in-flow and out-flow element in sub-diagram in certain situations, which helps you to identify the flows between diagrams.

In version 12.0, the element for the incoming and out-going flows are automatically pulled into subdiagram when:

- Process Payment

 Open Specification...

 Enter

 Stereotypes

 Model Element Properties

 Behavior

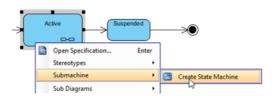
 Sub Diagrams

 Edit

 Cut

 Copy
- 1. Modeling the **behavior of an action** in <u>UML Activity Diagram</u>

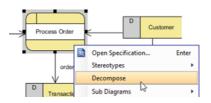
2. Modeling the detail of a submachine state in State Diagram



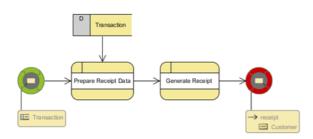
3. Modeling the detail of sub-process in Business Process Diagram



4. Decomposing the process in Data Flow Diagram



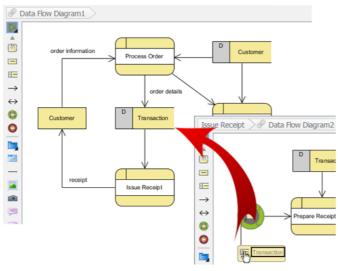
Once the sub-diagram is being created and the incoming and outgoing flow are pulled into the subdiagram, you can then start modeling the sub-diagram from the incoming flow and end with the outgoing flow.



To turn on the in-flow and out-flow indicator, right-click on the blank area of the diagram and select **Presentation Options > Show In/Out Flows**.

	Open Specification Add Shape	,			
	Rename Open Parent Model - Issue Receipt				
(î)	Paste View				
	Paste Model Element				
	Handi-Selection	•			
	Diagram Content	,			
	Connectors	,			
	Presentation Options	•	~	Show Data Store Type	
G.	Layers		~	Show Parent Data Flow ID	
	Zoom	•	~	Show In/Out Flows	
	Layout	•		Package Display Options	
	Select in Tree			Background Color	

Once the In-flow and Out-flow indicator are shown, you can navigate to the parent diagram by double click on it.



What this Tutorial on YouTube

Supported In-flow and out-flow modeling in sub-diagrams

Related Links

- How to Elaborate Model Element using Sub-diagram
- How to Define Supplementary Information to Model Elements



Visual Paradigm home page (https://www.visual-paradigm.com/)

Visual Paradigm tutorials (https://www.visual-paradigm.com/tutorials/)