Displaying internal structures on structured classifiers

You can represent the internal structure of the structured classifier on the diagram pane in all diagrams.

> ⓘ The internal structure of the selected shape can be represented only if the selected element contains its own SysML Internal Block Diagram.

For example, in a SysML Internal Block Diagram on a Part shape or in a SysML Block Definition Diagram on a Block shape, you can display its ports, parts, and connectors.

In the SysML Internal Block Diagram you can display:

- Parts
- Nested parts
- Ports on the frame
- Ports on every part
- Paths for every part and port

Nested parts can be displayed with the dot notation in addition to using structure compartment. The following procedure will guide show you how to display the internal structure of a selected classifier.

To display the internal structure of a selected classifier

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1. On the diagram pane, select the classifier shape in which you want to display its internal structure.
2. Do one of the following:
   - Open the selected shape's shortcut menu, click **Display** > **Display Internal Structure**, select the name of the classifier, and then select a diagram containing the internal structure.

   - On the diagram toolbar click , choose the **Display Internal Structure** command, select the name of the classifier, and then select a diagram containing the internal structure.

   After those steps are completed, the internal structure is displayed inside the selected classifier (see figure below).

Related pages

- Displaying parts and ports
- Displaying elements
- Nesting parts that are association ends
- SysML Internal Block Diagram
- Property path notation