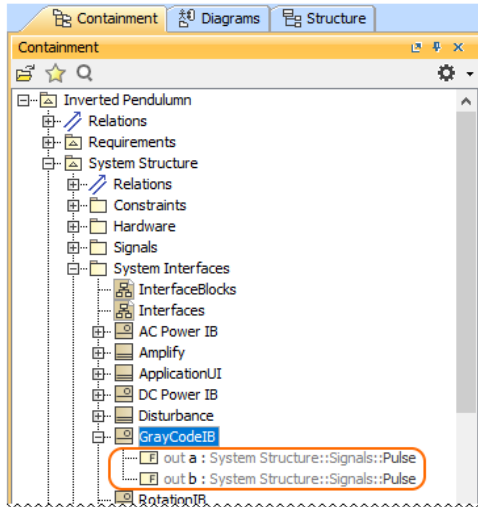


# Defining Interface Blocks

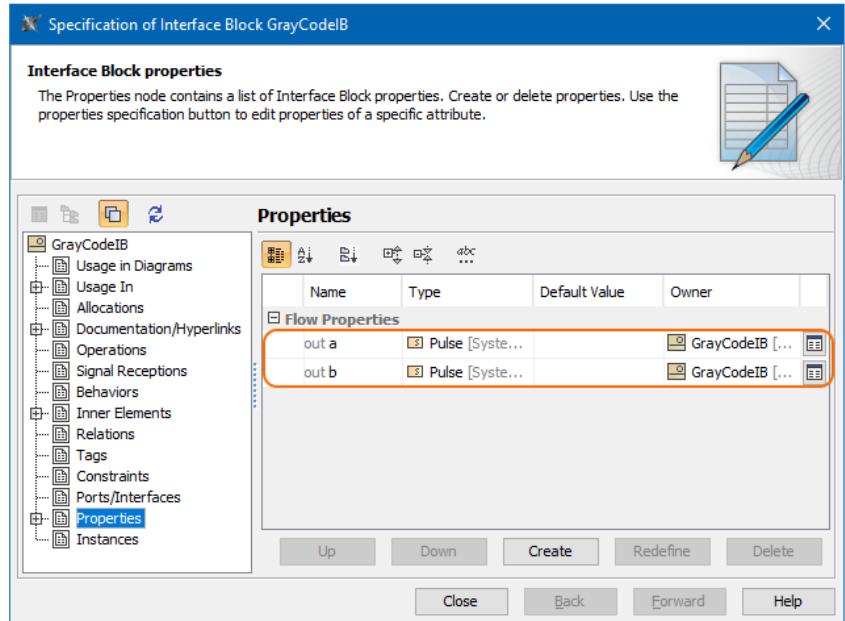
To define Interface Block

1. Create Interface Block in the model in one of the following way:
  - From the [SysML Block Definition diagram palette](#), select the **Interface Block** button, and click the on the [diagram pane](#).
  - In the [Model Browser](#), right-click the [Package](#) in which you want to store your interfaces, and select **Create Element > Interface Block**.
2. Specify Flow Properties in one of the following way:
  - Open the [Specification window](#) of Interface Block, select **Properties** group, click the **Create** button, and select Flow Property. Type its name, specify its direction, other properties, and click **Close**.
  - In the [Model Browser](#), right-click the Interface Block, and select **Create Element > Flow Property**. Type its name, specify its direction, or other properties.

Flow Properties in the Model Browser



Flow Properties in the Specification window



Defined Interface Block and specified its Flow Properties in the Model Browser and Specification window.

## Related pages

- [Managing Interfaces of the Proxy Port](#)
- [Managing Block Interfaces](#)

## Sample model

The model used in the figure of this page is the **InvertedPendulum** sample model. To open this sample do one of the following:

- Download [InvertedPendulum.mdzip](#).
- Find in modeling tool <modeling tool installation directory>\samples\SysML\Inverted Pendulum\Inverted Pendulum.mdzip.