

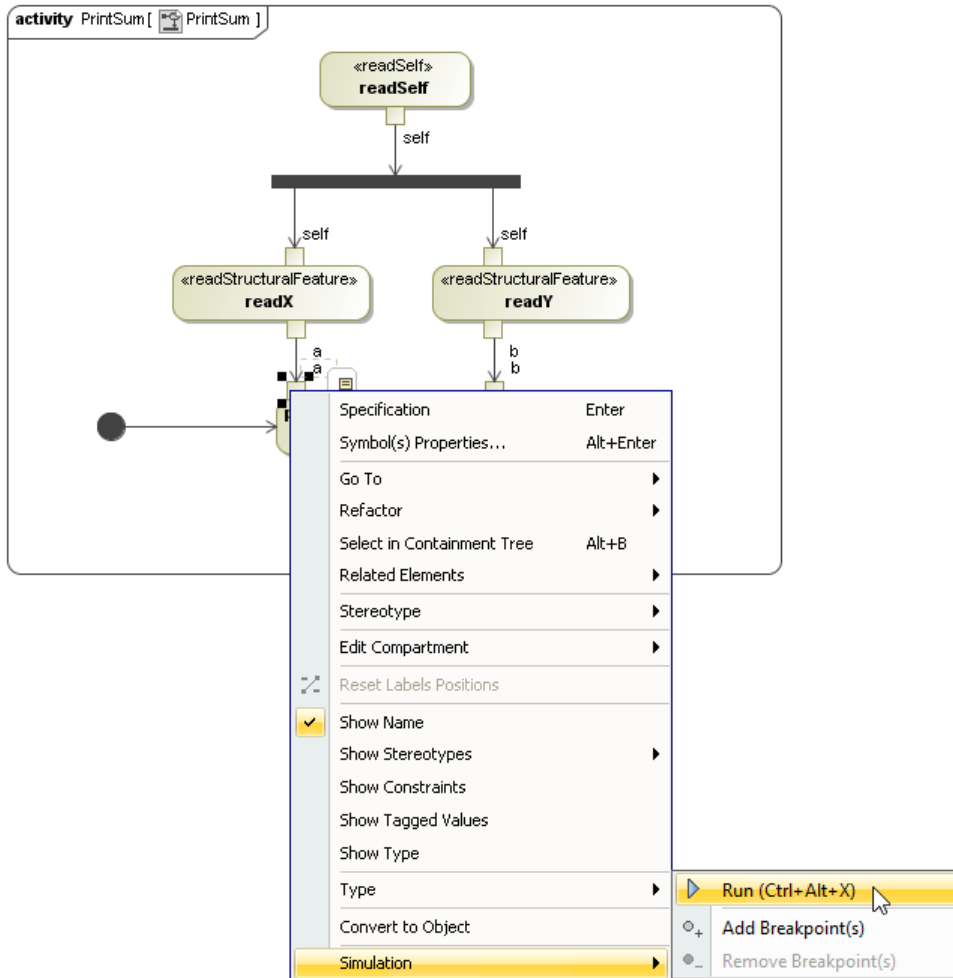
Executing Activities

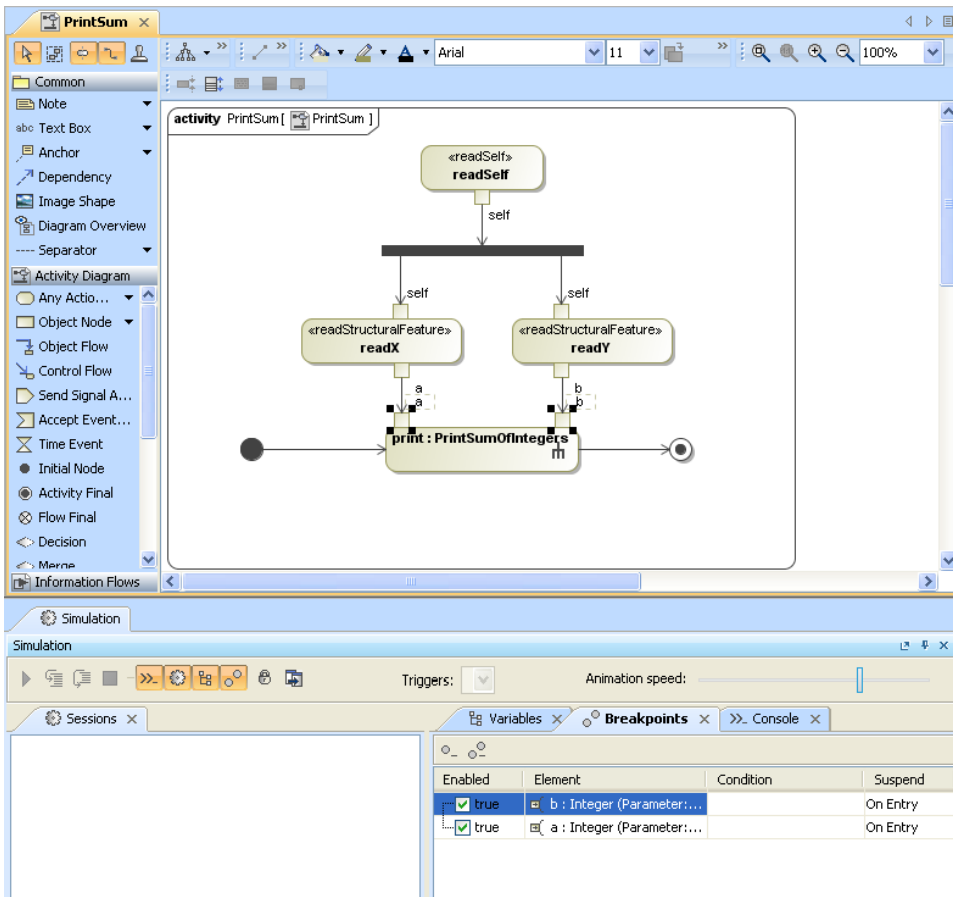
You can add some breakpoints to the model created when [Creating a model for Activity simulation](#) before executing it. This section demonstrates how to suspend the model simulation at some specific points with breakpoints. You can use either the diagram or browser context menu to add a breakpoint to an element.

The following example shows you how to add breakpoints to pins **a** and **b** of the action **print**. Once the model simulation has reached these pins, the simulation will be suspended.

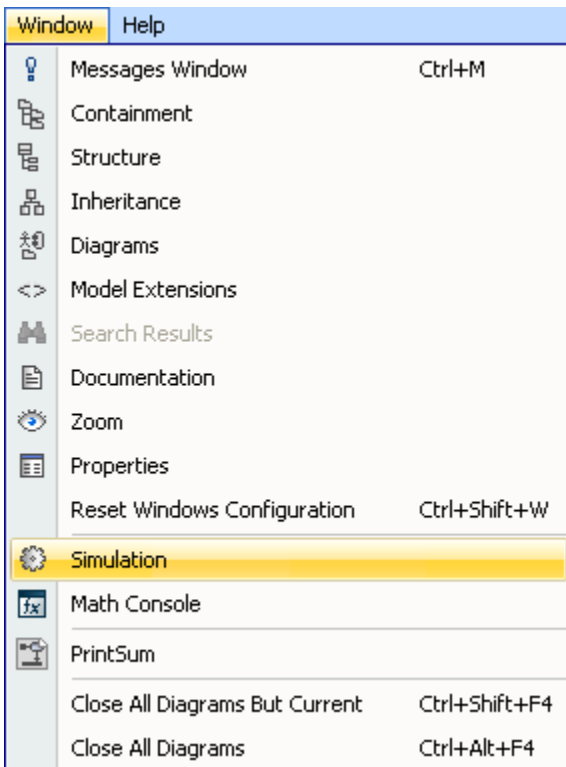
To add a breakpoint to an element and simulate the model

1. Right-click an element and select **Simulation > AddBreakpoint(s)**. The breakpoints will be shown in the **Breakpoints** pane of the Simulation window.



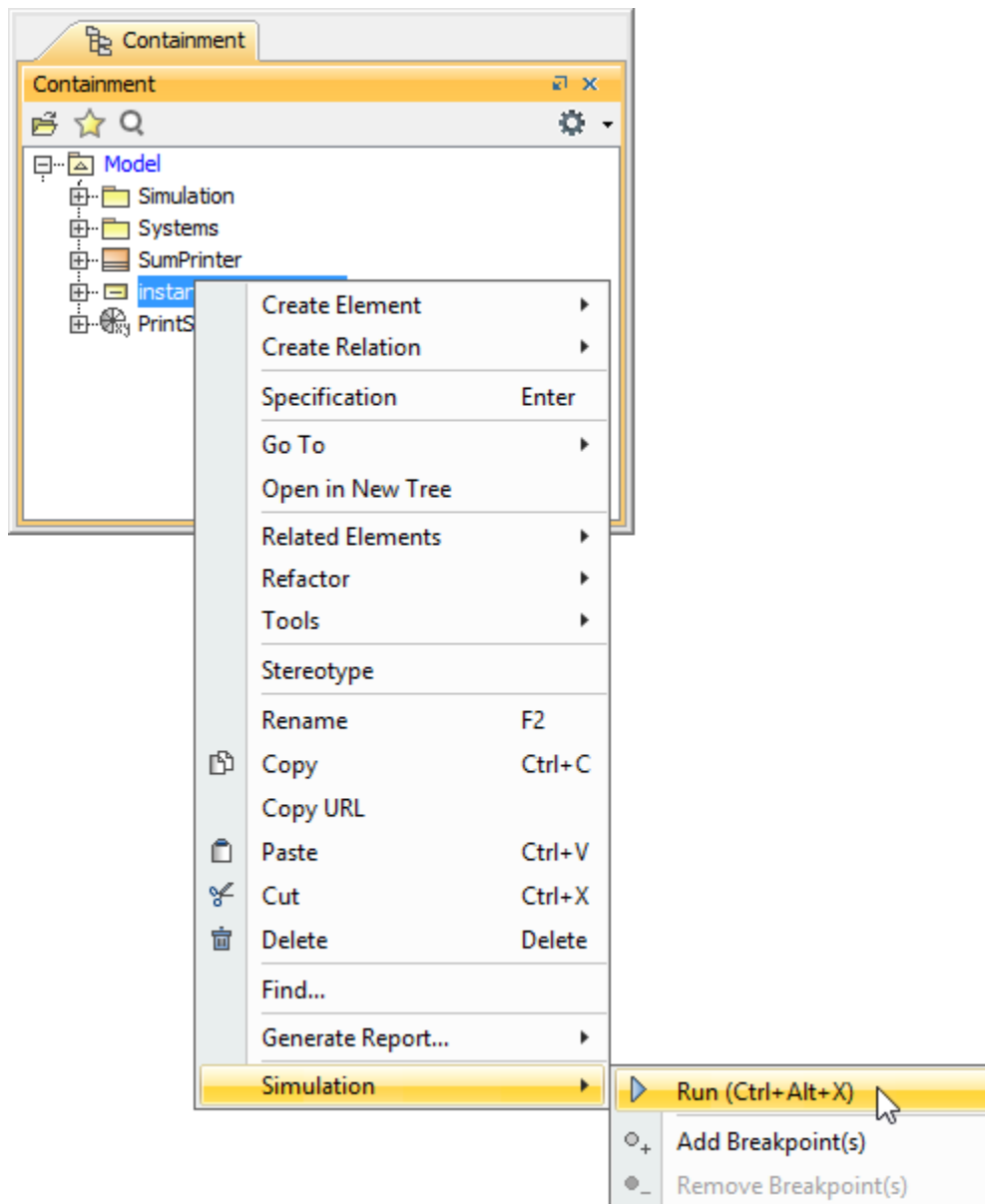


The Breakpoints pane in the Simulation window.

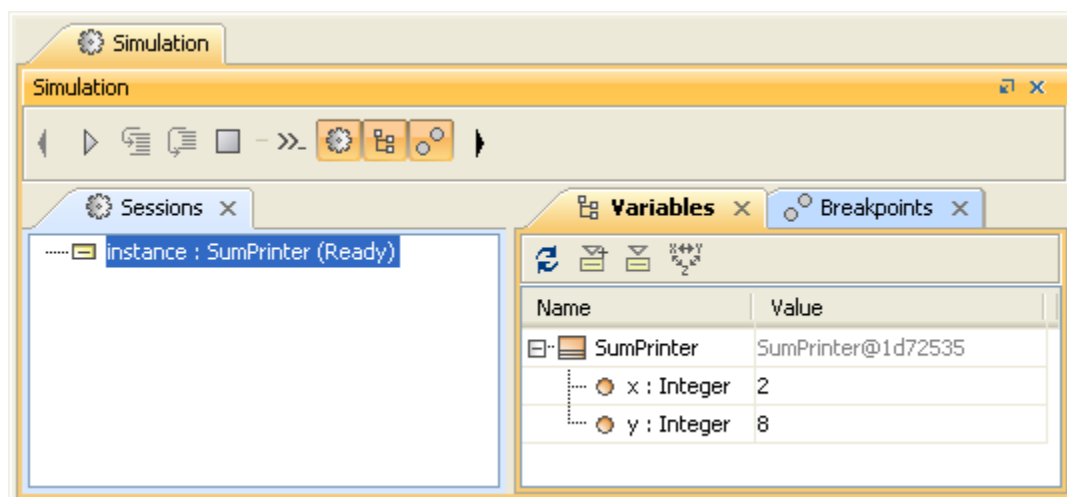


Clicking **Window > Simulation** on the main menu to open the Simulation window.

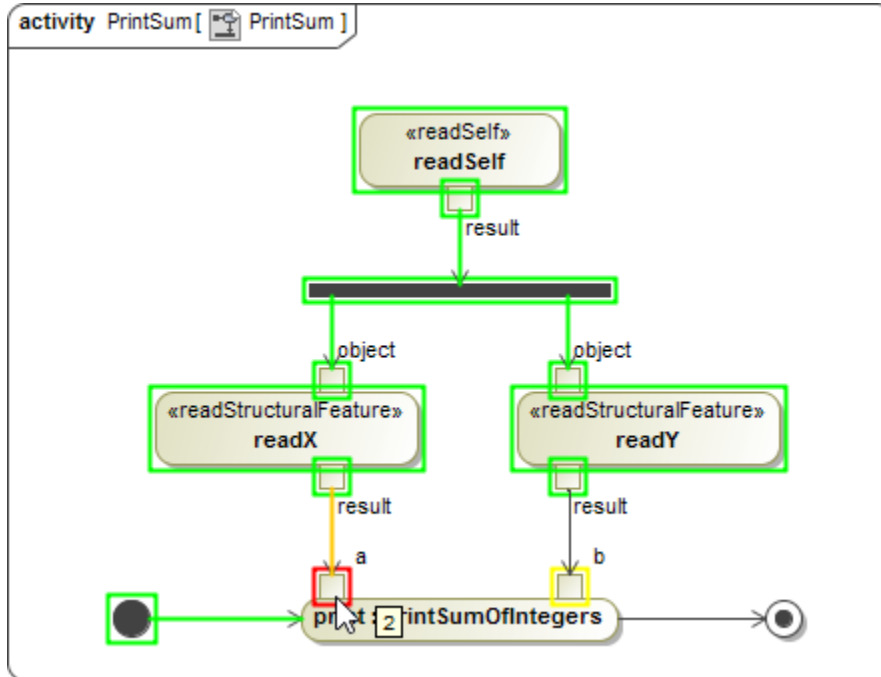
2. Right-click **instance** in the containment browser and select **Simulation > Run** to simulate the model from **instance**, which is the InstanceSpecification of the **SumPrinter** Classifier.



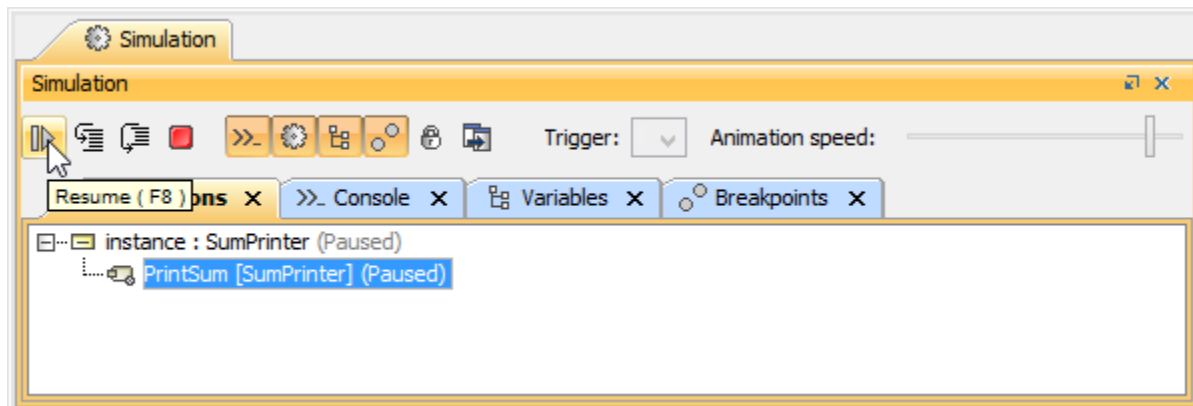
3. A new simulation session will be created and displayed in the **Sessions** pane of the Simulation window. The symbol of the elements with breakpoints attached will be highlighted in yellow by default. Click the **Start** button on the **Simulation** window toolbar to animate the simulation on the **Print-Sum** Activity diagram.



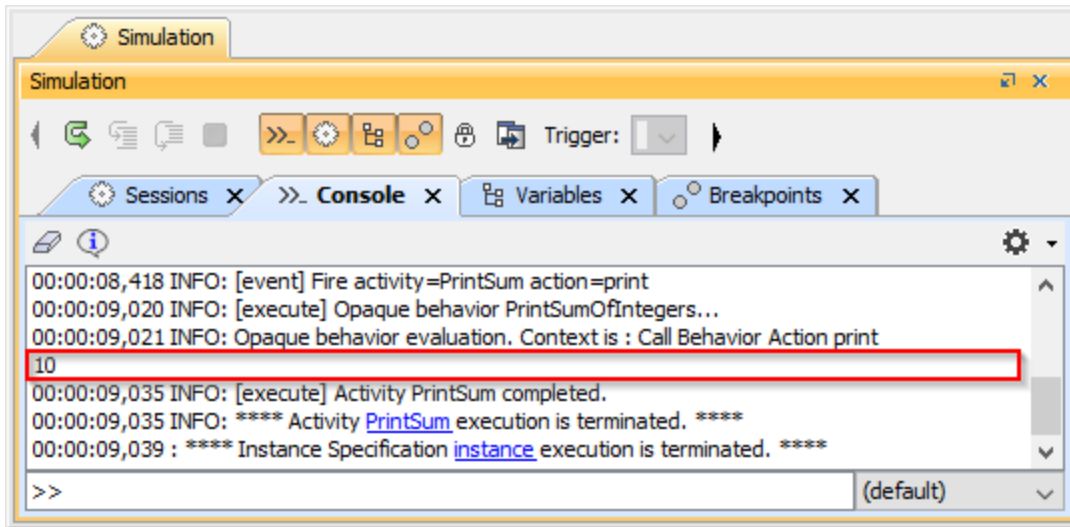
4. The simulation will be suspended when pin **a** or **b** of the **print** action is activated. You can hover your mouse pointer over the active element to see its runtime value.



5. Click the **Resume** button on the **Simulation** window toolbar to continue the simulation.



6. The simulation will be suspended again when pin **b** is activated. Click the **Resume** button to continue the simulation. In the **Console** pane of the **Simulation** window, you can see the printed value of 10, which is the summation between 2 and 8.



Note

If you do not want to display animation (silent simulation), you can create **Simulation Configuration** to customize the simulation, select **instance** as the **simulationTarget**, and set **silent** to **true**. See [Simulating a Simulation Configuration](#) and [Simulation Configuration and UI modeling](#) for more information.

Related pages

- [Simulating a Simulation Configuration](#)
- [Creating a model for Activity simulation](#)
- [Simulation Configuration and UI modeling](#)