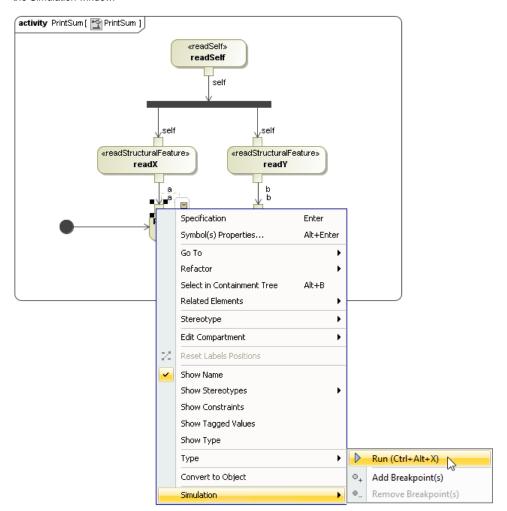
Executing Activities

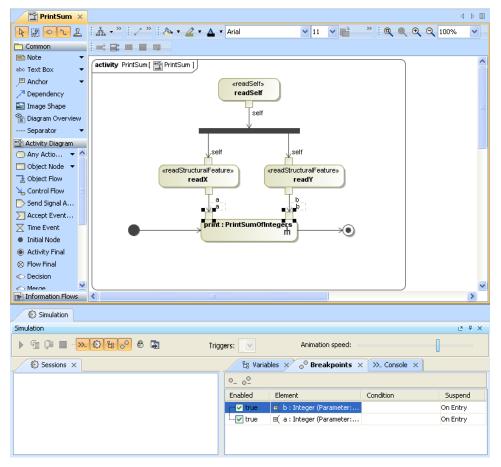
You can add some breakpoints to the model created when Creating a model for Activity simulation before executing it. This section demonstrates how to suspend the model simulation at some specific points with breakpoints. You can use either the diagram or browser context menu to add a breakpoint to an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

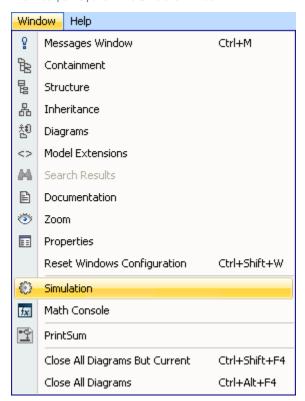
To add a breakpoint to an element and simulate the model

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



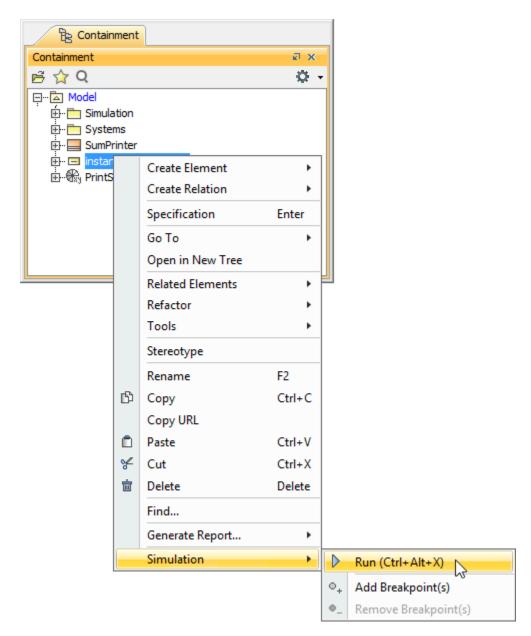


The Breakpoints pane in the Simulation window.

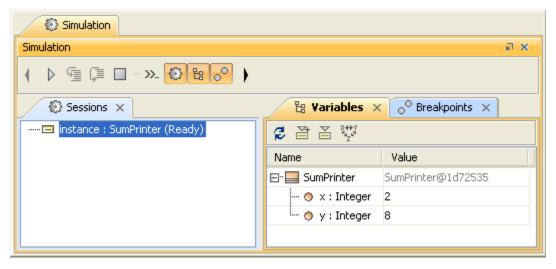


Clicking Window > Simulation on the main menu to open the Simulation window.

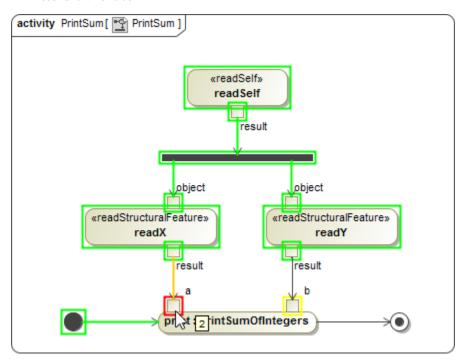
2. Right-click **instance** in the containment browser and select **Simulation** > **Run** to simulate the model from **instance**, which is the InstanceSpecification of the **SumPrinter** Classifier.



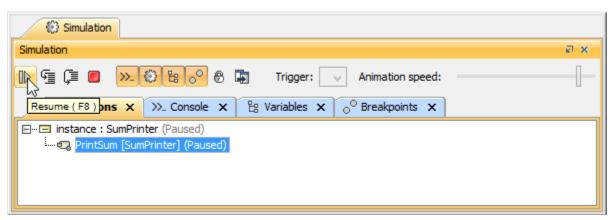
3. A new simulation session will be created and displayed in the **Sessions** pane of the Simulation window. The symbol of the elements with breakpoints attached will be highlighted in yellow by default. Click the **Start** button on the **Simulation** window toolbar to animate the simulation on the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



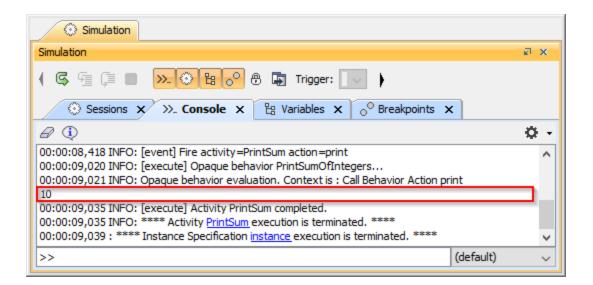
4. The simulation will be suspended when pin **a** or **b** of the **print** action is activated. You can hover your mouse pointer over the active element to see its runtime value.



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 **S imulation** window, you can see the printed value of 10, which is the summation between 2 and 8.



Note to 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 Ul modeling for more information.

Related pages

- Simulating a Simulation Configuration
- Creating a model for Activity simulation
- Simulation Configuration and UI modeling