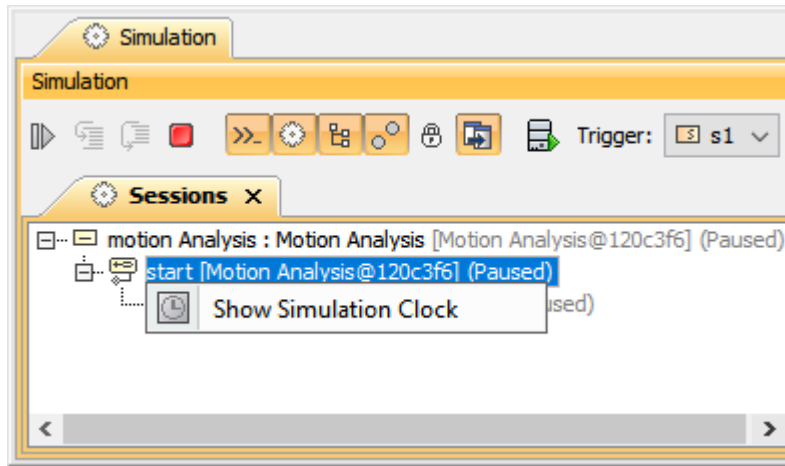# Understanding simulation sessions

Magic Model Analyst creates a simulation session(s) while a model is being simulated. A simulation session contains a context with a specified runtime value. The context of the simulation session is the executing UML element that can be either a Class element or a sub-type of a Class. When the context element is simulated, a runtime object will be created to store the simulated values.
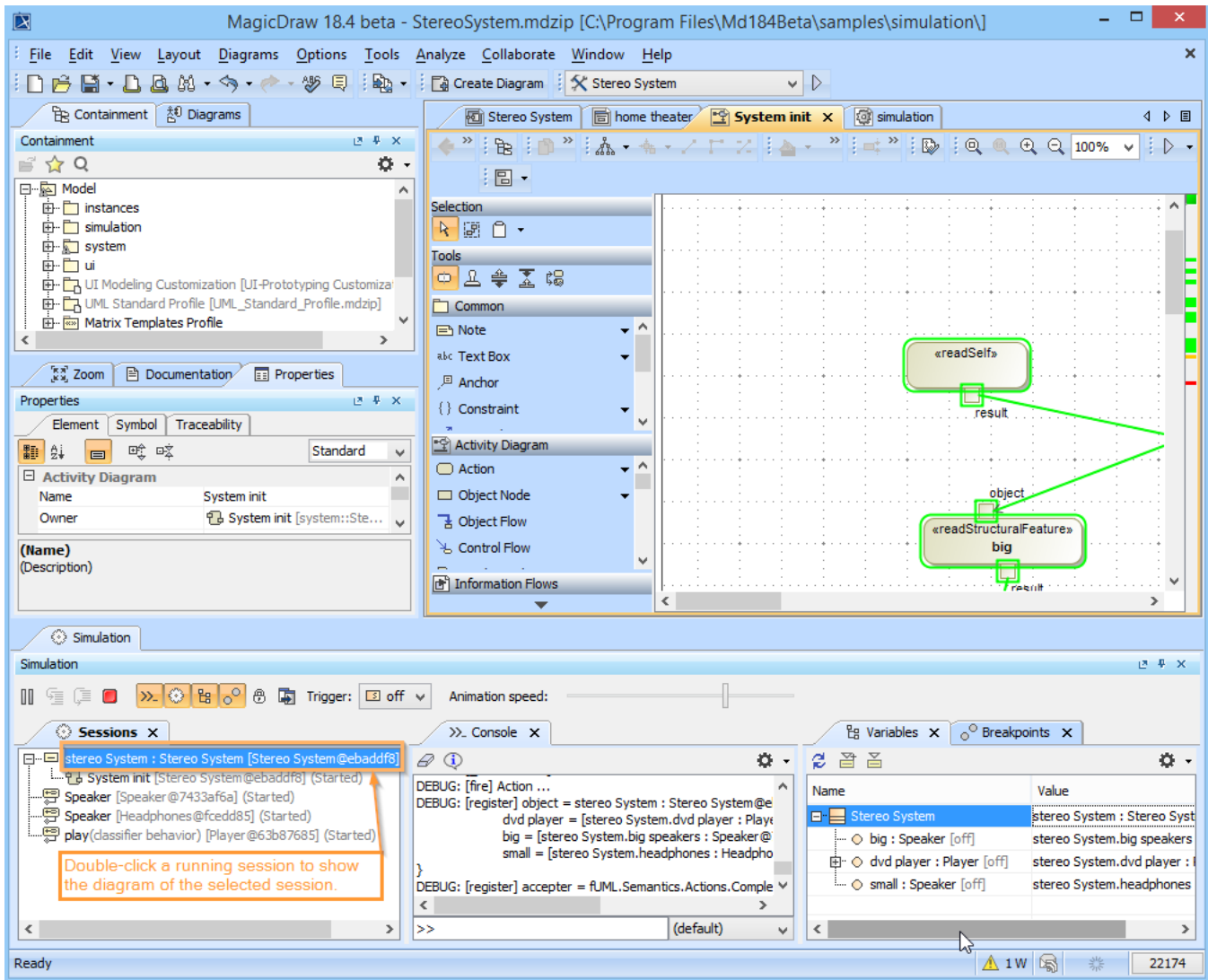
You can create multiple simulation sessions during a single simulation, such as an Activity simulation. If the simulated Activity contains any callBehaviorAction, a new simulation session will be created to simulate each callBehaviorAction. The **Sessions** pane will display all simulation sessions during simulation and order them by context elements in a tree node, as shown below.



The Simulation Sessions pane.

You can open the **Simulation clock** dialog to see the simulation clock in real time by right-clicking any context elements in the **Simulation Sessions** pane and selecting **Show Simulation Clock**.

While executing a model, you can double-click a running session to open a diagram of that particular session containing the progress of the simulation as shown below.

Double-clicking a running session to show the diagram at runtime.

**Related page**

- Simulation time and simulation clock