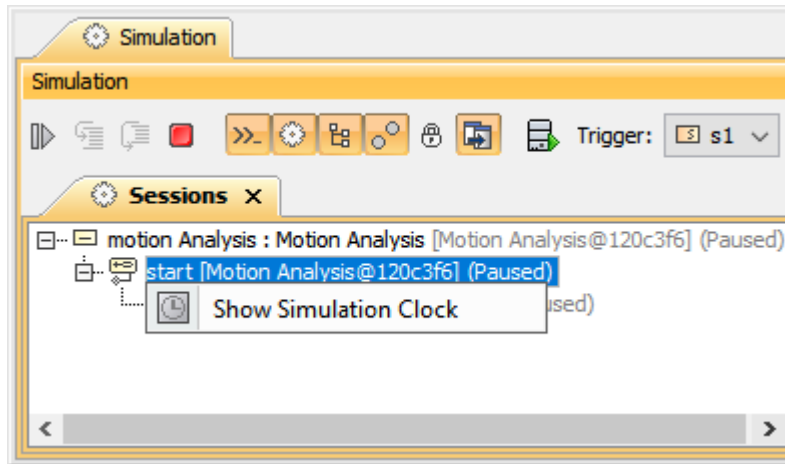


Understanding simulation sessions

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.

The screenshot shows the MagicDraw 18.4 beta interface. The top menu bar includes File, Edit, View, Layout, Diagrams, Options, Tools, Analyze, Collaborate, Window, and Help. The main workspace displays a UML diagram with two nodes: '«readSelf»' and '«readStructuralFeature» big'. A green arrow points from 'result' to 'object'. The bottom panel shows a 'Sessions' list with 'Stereo System : Stereo System [Stereo System@ebaddf8]' selected. A callout box says: 'Double-click a running session to show the diagram at runtime.' The 'Console' and 'Variables' panels are also visible.

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

Related page

- [Simulation time and simulation clock](#)