## **Activity simulation**

Activity simulations essentially require the Activity simulation engine in Cameo Simulation Toolkit to perform all Activity-based simulations. The details are outlined in the following topics:

Activity simulation engine

Running Activity Simulation in Activity diagrams or Activity elements.

• Creating a model for Activity simulation

Simulating Classifiers defined by Activities.

Executing Activities

Suspending the simulation with breakpoints.

· Activity duration simulation

Calculating and analyzing Activity duration and specifying duration constraints.

Duration analysis

Directing target objects to the callOperationAction.

Running a Call Action simulation without a target pin

Simulating a CallOperationAction that does not have a target pin to select a runtime object as a target.

Activity Partition execution and allocated Behavior

Using Activity Partition as an element in the Activity diagram to set the boundary of simulation of an execution.

• Execution of incomplete/dummy models

Executing incomplete and dummy models with Behaviors of Actions when input or output pins or any properties of Actions are not specified or present.