

Key features

Magic Model Analyst is capable of running your UML or SysML models. The key features of Magic Model Analyst are as follows

- **Simulation Framework**
The general infrastructure (including the simulation toolbars, context menu, and panes) and Open API for simulation.
- **Activity Engine (fUML Engine)**
The OMG fUML (a foundational subset of the Executable UML) standard.
- **State-Machine Engine (SCXML Engine)**
The W3C SCXML (State Charts XML) standard, which is an open-source Apache implementation.
- **Interaction Engine**
Enabling Magic Model Analyst to simulate interactions that are modeled with Sequence diagrams.
- **Parametric Engine**
Enabling Magic Model Analyst to simulate SysML Parametric diagrams.

The simulation sample projects are available in the `<install_root>/samples/simulation` directory.

Related page

- [Activity simulation engine](#)
- [State Machine](#)
- [Interaction](#)
- [SysML Parametric Diagram](#)