

# Interactive Debugger

The Builder allows to test all operations of a service at runtime in a model based fashion. It is not only possible to test and trace synchronous calls to a service but also asynchronous threads, for instance such of time triggered events or asynchronous tasks of a persistent state engine.

The **Interactive xUML Debugger** allows to set breakpoints in the activity diagrams of the UML models. Actions of an activity diagram within MagicDraw can be stepped directly into and user can examine the executed action script and the runtime values of all objects.

The Bridge provides different ways of how to test and trace a service.

An alternative to interactive debugging is to record the execution path of a service call. The **Scheer PAS ANALYZER** can request the recorded trace information from the Bridge and display the information graphically as UML sequence and activity diagrams. The execution path and all runtime values can be analyzed by the user. For more information refer to the [Analyzer User's Guide](#).

## Related Pages:

- [Using the Debug View](#)
- [Managing Breakpoints and Exceptions](#)
- [Inspecting Action Script and Runtime Values](#)
- [Inspecting the Callstack](#)
- [Remote Debugging](#)
- [Analyzer User's Guide](#)