

SysML Plugin Documentation

The Systems Modeling Language (SysML) is designed to unify the diverse modeling languages currently used by system engineers, the same way Unified Modeling Language (UML) is used in the software industry to unify the modeling languages used by software engineers. SysML supports the specifications, analysis, designs, verifications, and validations of a broad range of complex systems.

In addition to supporting all SysML diagrams (Block Definition, Internal Block, Package, Parametric, Requirements, Activity, and Use Case diagrams), SysML Plugin also makes it possible for MagicDraw to support additional specifications, analysis, designs, and validations on a broader range of systems and system integrations.

The SysML Plugin documentation consists of the following sections:

- [19.0 SP3 LTR Version News](#)
- [19.0 SP2 LTR Version News](#)
- [19.0 SP1 LTR Version News](#)
- [19.0 LTR Version News](#)
- [Introduction](#)
- [SysML 1.5 support](#)
- [Getting started](#)
 - [Understanding the user interface](#)
 - [Creating SysML projects](#)
 - [Opening SysML projects](#)
 - [Switching between multiple projects](#)
 - [Creating a diagram](#)
- [Installation and licensing](#)
 - [Basic concepts](#)
 - [Plugin installation](#)
 - [Plugin licensing](#)
 - [Uninstalling plugins and deactivating licenses](#)
 - [Updating plugins](#)
- [SysML Plugin User Guide](#)
 - [Organizing your model](#)
 - [Requirements management](#)
 - [Item Flow Management](#)
 - [Modeling structure with Blocks](#)
 - [Contextual Relationships](#)
 - [Modeling parametric constraints](#)
 - [Functional analysis](#)
 - [Views and Viewpoints](#)
 - [Generating report documents](#)
 - [Working with model elements](#)
 - [Validation](#)
 - [Glossary of SysML concepts](#)
 - [Getting help and support](#)
 - [Customizations](#)
- [Developer Guide](#)
 - [SysML Profile](#)
 - [MD Customization for SysML Profile](#)
 - [SysML Profile API Changes](#)
 - [SysML classes for open API](#)
- [Importing External Simulation Models](#)
 - [Simulink import](#)
 - [FMU import](#)
- [Exporting to External Simulation Models](#)
 - [Simulink export](#)
 - [Exporting Humidifier example to Simulink model](#)
 - [Modelica Export](#)

Docs of other versions

- [SysML Plugin 19.0 LTR](#)
- [SysML Plugin 18.5](#)
- [SysML Plugin 18.4](#)
- [SysML Plugin 18.3](#)
- [SysML Plugin 18.2](#)