

# Introduction

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:

- [Introduction](#)
- [2021x Refresh1 Version News](#)
- [2021x Version News](#)
- [SysML 1.6 support](#)
- [Installation, licensing, and system requirements](#)
- [Getting started](#)
  - [Understanding the user interface](#)
  - [Creating SysML projects](#)
  - [Opening SysML projects](#)
  - [Switching between multiple projects](#)
  - [Creating a diagram](#)
- [SysML Plugin User Guide](#)
  - [Organizing your model](#)
  - [Requirements management](#)
  - [Item Flow management](#)
  - [Modeling structure with Blocks](#)
  - [Behavior to structure synchronization](#)
  - [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](#)
  - [Forward compatibility](#)
- [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](#)
  - [Modelica export](#)
  - [Sample models](#)

## Docs of other versions

- [SysML Plugin 2021x](#)
- [SysML Plugin 19.0 LTR SP4](#)
- [SysML Plugin 19.0 LTR SP3](#)
- [SysML Plugin 19.0 LTR SP2](#)
- [SysML Plugin 19.0 LTR SP1](#)
- [SysML Plugin 19.0 LTR](#)