News for Developers



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In this release, new APIs have been added. Additionally, the UML metamodel and the profile have been updated.

Open API Changes

Open API is available for:

- Creating text with element references, setting, and getting text from elements by calling the *com.nomagic.magicdraw.elementreferenceintext.ElementPropertyRichTextManager* class. Learn more >>
- Adorning an element in a diagram by using the *com.nomagic.magicdraw.annotation.Annotation* object. Learn more >>
- Controlling when the validation rule must be executed, as well as what to validate and how it must be validated by implementing the *com.nomagic.magicdraw.validation.ValidationRule* interface. Learn more >>
- A validation rule to check and annotate individual presentation of elements (symbols) in diagrams by calling the extending*com.nomagic.magicdraw.validation.DiagramValidator* class. Learn more >>
- Refactoring *RepresentationTextCreator*. As the *com.nomagic.magicdraw.uml.RepresentationTextCreator.class* is no longer compatible with earlier versions of a modeling tool, all plugins using methods or fields of *RepresentationTextCreator* and were compiled with a MagicDraw API version earlier than 19.0 beta should be recompiled before using the plugins with MagicDraw 19.0 beta or later.

Meta Model Changes

- UML 2.5.1 is now supported.

Profile Changes

- The SysML profile is updated due to changes in SysML 1.5:
  - Added new concept of Abstract Requirement, allowing you to extend the Requirement concept and base it on any kind of model element. Learn more >>
- Added the UAF profile, as the UAF framework is supported now. It implements the latest OMG standard version and contains complete support of all domains and views, including:
  - New Strategic, Personnel, Standards, Project, Security diagrams, tables, and matrices.
  - New Traceability diagrams.
  - New Parametric diagrams (DoDAF, MODAF, NAF, and NAF 4 also have them).
- Updated the BPMN2 profile to support UML for BPMN Processes.

File Format Changes

There are no changes.