

What's New in Cameo Concept Modeler 18.0 LTR SP13

Released on: July 2, 2018

New features

- The complex, nested constructs found in widely-used ontologies can now be successfully imported from OWL, visualized in diagrams, augmented with new concept models, and exported to OWL.
- Complements between classes are supported.
- Property restrictions can now be modeled in a namespace other than that of its domain, range, or restricted property.
- All subtypes of OWL Object Property (e.g., owl:TransitiveProperty) can now be imported and exported.
- A property that has multiple domains is supported.
- A UML property used in multiple classes is now interpreted in OWL as a domain that is the union of those classes.
- Unqualified cardinality restrictions is now supported by {subsets} in UML.
- A minimum cardinality of 0 in OWL is retained as a {subsets} to support its use as a flag.
- A literal annotation may now have either a language or a datatype.
- A datatype property can now be modeled as an association end or a class attribute.
- Both IRI and literal annotations are now supported.
- A maximum cardinality restriction without a minimum cardinality restriction on a property is now supported.

Usability improvements

- The smart manipulator on shapes in a Concept Model diagram shows only relevant relations.
- Importing an OWL ontology into a non-CCM project now prompts to load the CCM profile.
- Empty IRI tagged values are now automatically removed.
- The available choices are clearer when a project file is open, and a style is missing or out of date.
- The AutoStyler plugin now manages the 'Defined Elsewhere' style.
- The CCM plugin now manages the 'Default' style.
- The logging verbosity level can now be adjusted independently for the MagicDraw notification window vs log file.
- Unspecified OWL property cardinalities are now clearer, as explicit UML multiplicities.
- Both IRI and literal annotations are now available on the concept modeling diagram palette.

OWL export improvements

- Classes that are not directly owned by a package now result in a warning.

Bug fixes

- Importing or exporting complex, nested class expressions involving unions, intersections, complements, and restrictions no longer results in a loss of fidelity.
- Annotation language and datatype are no longer lost or forced to be "en".
- IRI annotations are no longer lost on importing and exporting.
- Importing resources with local names that start with a number no longer fails.
- Annotations on an ontology are no longer incorrectly emitted as annotation assertions.
- Messages appearing in the notification window no longer have the beginning of the URL stripped off.
- Importing a restriction that has another restriction as its filler no longer causes a subtle notation inconsistency.
- Opening a project without AutoStyler installed no longer results in a prompt to update the 'Defined Elsewhere' style.
- Importing a property domain that is an intersection of classes no longer creates multiple named properties in UML.
- Importing a property with multiple domains now results in an intersection of those domains as the owner of the UML property.
- Exporting a property with multiple domains to OWL results in a union of those domains as the domain of the property.
- Exporting a property with multiple types to OWL results in a union of those types as the range of the property.
- Importing an ontology into CCM no longer refers to «Anything» as «Property Holder» in log messages.
- Importing an ontology into CCM no longer ignores annotations on ontologies imported by that ontology.

Download the Cameo Concept Modeler Documentation by clicking the link below

Cameo Concept Modeler

AutoStyler News

- [Modeling Community Blogs](#)
- [Modeling Community Forum](#)
- [Webinars](#)
- [FAQ](#)