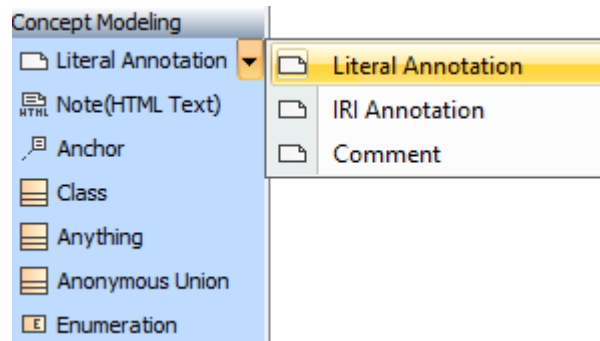


# Working with annotations

Annotations in Magic Concept Modeler (MCM) offer a way to add contextual documentation to model elements, e.g., concept models, concepts, and properties. MCM primarily supports two types of annotations: **Literal** and **Internationalized Resource Identifier (IRI)** annotations. For a more in-depth explanation of annotations, please refer to [Annotation and annotation properties](#).

- An «IRI Annotation» is a *use* of an IRI, whereas a «Literal Annotation» of any URI type is a *mention* of an IRI.



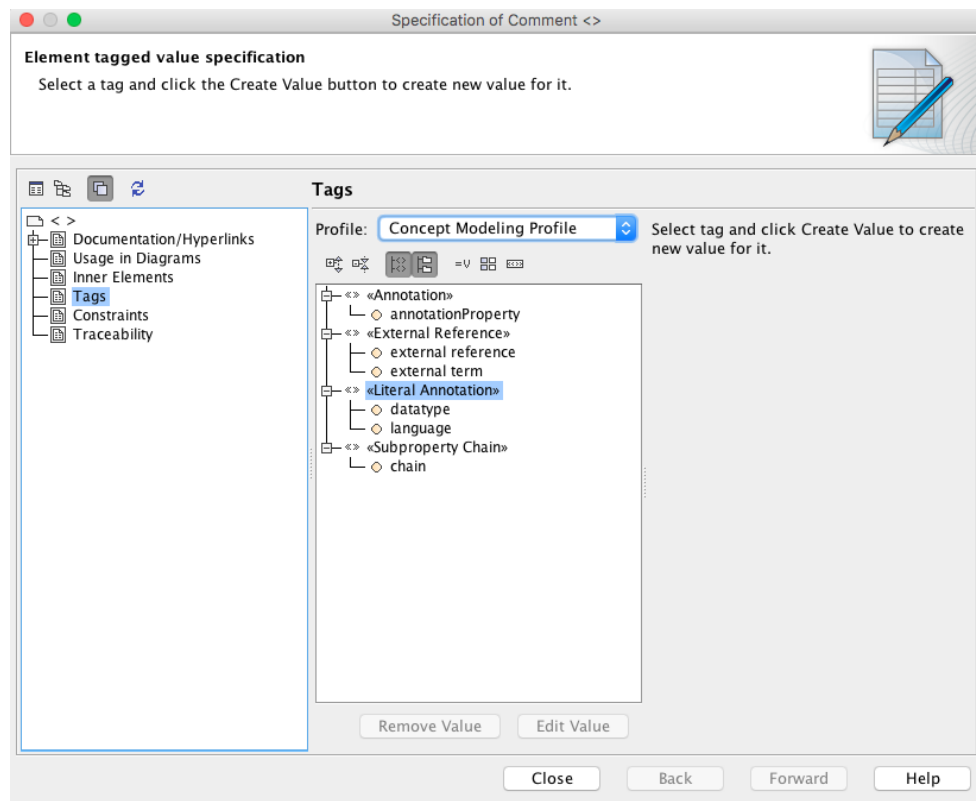
**Two types of annotations primarily supported in MCM: Literal and IRI annotations.**

- A **literal annotation** provides a data value, e.g., particular string or an integer, that optionally specifies language or datatype of the value.
- An **IRI annotation** specifies an IRI to annotate a model element.

Annotations are stereotyped as either «Literal Annotation» or «IRI Annotation» to identify the type of the annotation value.

## More on Literal Annotation

You can specify **datatype** or **language** in the Literal annotation's specification.



**Datatype and language can be specified in the literal annotation's specification.**

## Importing and Exporting Annotations

- A concept model can be specified as an annotated element, like a concept or a property, for an annotation.
- When the concept model is exported to OWL, the annotation will be on the ontology which corresponds to the exported concept model.



### Exporting Annotations

When a concept model is exported to OWL:

- The stereotyped UML comments will be exported as OWL annotations.
- IRI annotations are not lost on importing and exporting.
- Similarly, when a model with stereotypes annotating its own segments is imported to MCM, the resulting concept model will contain the annotations that annotated the original ontology.



### Importing Annotations

An annotation on an ontology, when that ontology is imported, is converted to an annotation on the concept model which corresponds to that ontology.

#### Related pages

- [Usage](#)
- [Creating annotations](#)
- [Showing annotations on the diagram](#)
- [Showing an annotation in the Documentation pane](#)
- [Working with annotation properties](#)