

Proposed Disposition: Resolved

OMG Issue No: 10903

Title: Symmetric

Source:

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Summary:

Section 16.3.5 (Binary Association To Object Property), second paragraph says that binary associations with the same type on both ends translate to symmetric properties in OWL. This isn't correct. For example, an association that has Animal on both ends, with ends named "chases" and "chased by", doesn't mean that if animal A chases animal B, that animal B chases animal A. It means that animal B is chased by animal A.

Resolution:

Replace text as described below.

Revised Text:

The following is the current contents of the first and second paragraphs in 16.3.5:

An association specifies a semantic relationship that can occur between typed instances. It has at least two ends represented by properties, each of which is connected to the type of the end. More than one end of the association may have the same type. In this section, only binary association is discussed. In Section 16.3.4, instances of OWLObjectProperty have been created. However, the possible OWLInverseOf relationship between two navigableOwnedEnd of an association has not been created. AssociationToObjectProperty relation is used to set OWLInverseOf relationships among related properties.

Further, associations both of whose ends are properties with the same type will be mapped to symmetric properties in OWL.

Replace these paragraphs with the following:

A binary association specifies a relationship that can occur between typed instances. It has exactly two ends represented by properties, each of which is connected to the type of the end. The AssociationToObjectProperty relation is used to set OWLInverseOf relationships between inverse properties.

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