

Proposed Disposition: Resolved

OMG Issue No: 12386

Title: RDFSDatatype uriRef Property Multiplicity Issue

Source:

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Summary:

The uriRef property for RDFSDatatype is defined in the specification as a LiteralString [0..*], which is incorrect. The uriRef property is required to have value, and thus the multiplicity should be [1..*]

Resolution:

Revise multiplicity as suggested and remove first constraint.

Revised Text:

Currently, the text in section 14.1.6.2 that describes properties and constraints for RDFSDatatype reads as follows:

Properties

- uriRef: LiteralString [0..*] – the URI reference(s) associated with the datatype.

Constraints

[1] A class stereotyped by «rdfsDatatype» must have a value for the uriRef property.

[2] The value of the uriRef property must be a UML::LiteralString that is stereotyped by «uriReference».

[3] For built-in datatypes (i.e., those that are not user-defined), the string value of the uriRef must be that of an XML Schema Datatype as defined in [XML Schema Datatypes], and as given in Annex A.

[4] (Semantic) The value of the uriRef property must link the «rdfsDatatype» to either an XML Schema Datatype or user-defined type corresponding to a datatype definition of the appropriate type.

Revise it to read:

Properties

- uriRef: LiteralString [1..*] – the URI reference(s) associated with the datatype.

Constraints

[1] The value of the uriRef property must be a UML::LiteralString that is stereotyped by «uriReference».

[2] For built-in datatypes (i.e., those that are not user-defined), the string value of the uriRef must be that of an XML Schema Datatype as defined in [XML Schema Datatypes], and as given in Annex A.

[3] (Semantic) The value of the uriRef property must link the «rdfsDatatype» to either an XML Schema Datatype or user-defined type corresponding to a datatype definition of the appropriate type.

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