

Predefined RDF classes

Class	Description
rdfs:Resource	The class resource, everything.
rdfs:Class	The class of classes.
rdf:Property	The class of RDF properties.
rdf:Container	Superclass of all container types
rdf:Bag	Unordered container
rdf:Seq	Sequentially ordered container
rdf:Alt	Container of alternatives
rdf:List	List of items
rdfs:ContainerMembershipProperty	The class of container membership properties, rdf:_1, rdf:_2, ...
rdfs:Datatype	The class of RDF datatypes.
rdf:XMLLiteral	The class of XML literals values.
rdfs:Literal	The class of literal values, e.g. textual strings and integers.
rdf:Statement	The class of RDF statements.

rdfs:Resource properties

Property Name	Type (Range)	Description
rdf:type	rdfs:Class	The subject is an instance of a class.
rdfs:label	rdfs:Literal	A human-readable name for the subject.
rdfs:comment	rdfs:Literal	A description of the subject resource.
rdfs:member	rdfs:Resource	A member of the subject resource.
rdfs:seeAlso	rdfs:Resource	The definition of the subject resource.
rdfs:isDefinedBy	rdfs:Resource	Namespace where it is defined
rdf:value	rdfs:Resource	Idiomatic property used for structured values

rdfs:Class properties

Property Name	Type (Range)	Description
rdfs:subclassOf	rdfs:Class	The subject is a subclass of a class.

owl:Class properties

Property Name	Type (Range)	Description
owl:disjointWith *	owl:Class	Disjoint Classes
owl:intersectionOf -	rdf:List	Intersection of 2 classes

owl:Class properties (cont)

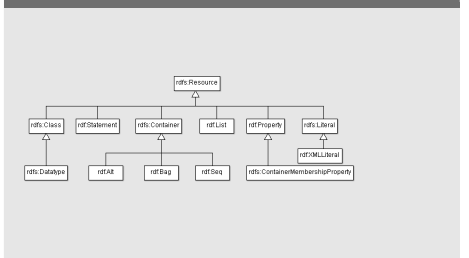
owl:unionOf *	rdf:List	Union of 2 classes
owl:complementOf *	owl:Class	Complement of a class
owl:oneOf *	rdf:List	Enumerated class
owl:equivalentClasses -	owl:Class	Equivalent Classes

- Denotes a construct available in OWL Lite. * denotes a construct available in OWL DL.

rdf:Property properties

Property Name	Type (Range)	Description
rdfs:domain	rdfs:Class	A domain of the subject property.
rdfs:range	rdfs:Class	A range of the subject property.
owl:equivalentProperty	rdf:Property	
rdfs:subPropertyOf	rdf:Property	The subject is a subproperty of a property.

Inheritance Diagram



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rdf:List properties

Property Name	Type (Range)	Description
rdf:first	rdfs:Resource	The first item in the subject RDF list.
rdf:rest	rdfs:List	The rest of the subject RDF list after the first item.

rdf:Statement properties

Property Name	Type (Range)	Description
rdf:subject	rdfs:Resource	The subject of the subject RDF statement.
rdf:predicate	rdfs:Resource	The predicate of the subject RDF statement.
rdf:object	rdfs:Resource	The object of the subject RDF statement.

URL prefixes

prefix.	...stands for
..	
rdf:	http://www.w3.org/1999/02/22-rdf-syntax-ns#
rdfs:	http://www.w3.org/2000/01/rdf-schema#
owl:	http://www.w3.org/2002/07/owl#
xsd:	http://www.w3.org/2001/XMLSchema#
dc:	http://purl.org/dc/elements/1.1/
foaf:	http://xmlns.com/foaf/0.1/

owl:Thing properties

Property Name	Type (Range)	Description
owl:sameAs	owl:Thing	
owl:differentFrom	owl:Thing	

owl:AllDifferent properties

Property Name	Type (Range)	Description
owl:distinctMembers	rdf:List	

owl:Restriction properties

Property Name	Type (Range)	Description
owl:allValuesFrom	rdfs:Class	
owl:someValuesFrom	rdfs:Class	
owl:hasValue *	(none)	
owl:cardinality -	xsd:nonNegativeInteger	
owl:maxCardinality -	xsd:nonNegativeInteger	
owl:minCardinality -	xsd:nonNegativeInteger	
owl:onProperty	rdf:Property	

- Denotes a construct available in OWL Lite. * denotes a construct available in OWL DL.

owl:ObjectProperty properties

Property Name	Type (Range)	Description
owl:inverseOf	owl:ObjectProperty	

owl:Ontology properties

Property Name	Type (Range)	Description
owl:imports	owl:Ontology	
owl:incompatibleWith	owl:Ontology	
owl:priorVersion	owl:Ontology	
owl:versionInfo	(none)	
owl:backwardCompatibleWith	owl:Ontology	

xsd Types

Strings

xsd:string
 xsd:normalizedString
 xsd:token
 xsd:language
 xsd:NMTOKEN
 xsd:Name
 xsd:NCName

Boolean

xsd:boolean

Numerical

xsd:decimal
 xsd:float



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xsd Types (cont)

xsd:double

Decimal-derived

xsd:integer

xsd:nonNegativeInteger

xsd:positiveInteger

xsd:nonPositiveInteger

xsd:negativeInteger

xsd:long

xsd:int

xsd:short

xsd:byte

xsd:unsignedLong

xsd:unsignedInt

xsd:unsignedShort

xsd:unsignedByte

Binary

xsd:hexBinary

xsd:base64Binary

Date/Time-related

xsd:dateTime

xsd:time

xsd:date

xsd:gYearMonth

xsd:gYear

xsd:gMonthDay

xsd:gDay

xsd:gMonth

Resource

xsd:anyURI

Classes, Parents, Instances of

Class	Subclass of	Instance of
rdfs:Resource	rdfs:Resource	rdfs:Class
rdfs:Class	rdfs:Resource	rdfs:Class
rdfs:Literal	rdfs:Resource	rdfs:Class
rdfs:Datatype	rdfs:Class	rdfs:Class
rdf:XMLLiteral	rdfs:Literal	rdfs:Datatype
rdf:Property	rdfs:Resource	rdfs:Class
rdfs:Container	rdfs:Resource	rdfs:Class
rdf:Alt	rdfs:Container	rdfs:Class
rdf:Bag	rdfs:Container	rdfs:Class
rdf:Seq	rdfs:Container	rdfs:Class
rdfs:ContainerMembershipProperty	rdf:Property	rdfs:Class
rdf>List	rdfs:Resource	rdfs:Class
rdf:Statement	rdfs:Resource	rdfs:Class