



DERI Vocabularies

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Vocabulary of Interlinked Datasets (VoID)



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<http://rdfs.org/ns/void#>

Abstract

The Vocabulary of Interlinked Datasets (VoID) is an RDF Schema vocabulary for expressing metadata about RDF datasets. It is intended as a bridge between the publishers and users of RDF data, with applications ranging from data discovery to cataloging and archiving of datasets. This document provides a formal definition of the new RDF classes and properties introduced for VoID. It is a companion to the main specification document for VoID, *Describing Linked Datasets with the VoID Vocabulary*.

All terms at a glance

Classes: [Dataset](#) | [DatasetDescription](#) | [Linkset](#) | [TechnicalFeature](#)

Properties: [class](#) | [classPartition](#) | [classes](#) | [dataDump](#) | [distinctObjects](#) | [distinctSubjects](#) | [documents](#) | [entities](#) | [exampleResource](#) | [feature](#) | [inDataset](#) | [linkPredicate](#) | [objectsTarget](#) | [openSearchDescription](#) | [properties](#) | [property](#) | [propertyPartition](#) | [rootResource](#) | [sparqlEndpoint](#) | [subjectsTarget](#) | [subset](#) | [target](#) | [triples](#) | [uriLookupEndpoint](#) | [uriRegexPattern](#) | [uriSpace](#) | [vocabulary](#)

[Classes](#)[Properties](#)

dctype:Dataset

void:Dataset

void:Linkset

foaf:Document

void:DatasetDescription

void:TechnicalFeature

void:class

void:subset

void:propertyPartition

void:classPartition

void:classes

void:dataDump

void:distinctObjects

void:distinctSubjects

void:documents

void:entities

void:exampleResource

void:feature

dct:isPartOf

void:inDataset

void:linkPredicate

void:target

void:subjectsTarget

void:objectsTarget

void:openSearchDescription

void:properties

void:property

void:rootResource

void:sparqlEndpoint

void:triples

void:urlLookupEndpoint

Overview diagram

Classes

Class: **void:Dataset**

dataset – A set of RDF triples that are published, maintained or aggregated by a single provider.

URI: <http://rdfs.org/ns/void#Dataset>

Properties include: [void:feature](#), [void:subset](#), [void:sparqlEndpoint](#), [void:exampleResource](#), [void:vocabulary](#), [void:dataDump](#), [void:uriLookupEndpoint](#), [void:uriRegexPattern](#), [void:class](#), [void:classes](#), [void:classPartition](#), [void:distinctObjects](#), [void:distinctSubjects](#), [void:documents](#), [void:entities](#), [void:openSearchDescription](#), [void:properties](#), [void:property](#), [void:propertyPartition](#), [void:rootResource](#), [void:triples](#), [void:uriSpace](#)

Used with: [void:subset](#), [void:target](#), [void:subjectsTarget](#), [void:objectsTarget](#), [void:classPartition](#), [void:inDataset](#), [void:propertyPartition](#)

Superclass: [dctype:Dataset](#)

Subclass: [void:Linkset](#)

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Class: void:DatasetDescription

dataset description – A web resource whose foaf:primaryTopic or foaf:topics include void:Datasets.

URI: <http://rdfs.org/ns/void#DatasetDescription>

Superclass: [foaf:Document](#)

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Class: void:Linkset

linkset – A collection of RDF links between two void:Datasets.

URI: <http://rdfs.org/ns/void#Linkset>

Properties include: [void:target](#), [void:linkPredicate](#), [void:subjectsTarget](#), [void:objectsTarget](#)

Superclass: [void:Dataset](#)

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Class: void:TechnicalFeature

technical feature – A technical feature of a void:Dataset, such as a supported RDF serialization format.

URI: <http://rdfs.org/ns/void#TechnicalFeature>

Used with: [void:feature](#)

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Properties

Property: void:class

class – The rdfs:Class that is the rdf:type of all entities in a class-based partition.

URI: <http://rdfs.org/ns/void#class>

Type: [owl:FunctionalProperty](#)

Domain: [void:Dataset](#)

Range: [rdfs:Class](#)

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Property: void:classPartition

class partition – A subset of a void:Dataset that contains only the entities of a certain rdfs:Class.

URI: <http://rdfs.org/ns/void#classPartition>

Domain: [void:Dataset](#)

Range: [void:Dataset](#)

Superproperty: [void:subset](#)

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Property: void:classes

classes – The total number of distinct classes in a void:Dataset. In other words, the number of distinct resources occurring as objects of rdf:type triples in the dataset.

URI: <http://rdfs.org/ns/void#classes>
Domain: [void:Dataset](#)
Range: [xsd:integer](#)

[\[back to top\]](#)**Property: void:dataDump**

Data Dump – An RDF dump, partial or complete, of a void:Dataset.

URI: <http://rdfs.org/ns/void#dataDump>
Domain: [void:Dataset](#)
Range: [rdfs:Resource](#)

[\[back to top\]](#)**Property: void:distinctObjects**

distinct objects – The total number of distinct objects in a void:Dataset. In other words, the number of distinct resources that occur in the object position of triples in the dataset. Literals are included in this count.

URI: <http://rdfs.org/ns/void#distinctObjects>
Domain: [void:Dataset](#)
Range: [xsd:integer](#)

[\[back to top\]](#)**Property: void:distinctSubjects**

distinct subjects – The total number of distinct subjects in a void:Dataset. In other words, the number of distinct resources that occur in the subject position of triples in the dataset.

URI: <http://rdfs.org/ns/void#distinctSubjects>
Domain: [void:Dataset](#)
Range: [xsd:integer](#)

[\[back to top\]](#)**Property: void:documents**

number of documents – The total number of documents, for datasets that are published as a set of individual documents, such as RDF/XML documents or RDFa-annotated web pages. Non-RDF documents, such as web pages in HTML or images, are usually not included in this count. This property is intended for datasets where the total number of triples or entities is hard to determine. void:triples or void:entities should be preferred where practical.

URI: <http://rdfs.org/ns/void#documents>
Domain: [void:Dataset](#)
Range: [xsd:integer](#)

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Property: void:entities

number of entities – The total number of entities that are described in a void:Dataset.

URI: <http://rdfs.org/ns/void#entities>
Domain: [void:Dataset](#)
Range: [xsd:integer](#)

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Property: void:exampleResource

example resource of dataset

URI: <http://rdfs.org/ns/void#exampleResource>
Domain: [void:Dataset](#)
Range: [rdfs:Resource](#)

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Property: void:feature

feature

URI: <http://rdfs.org/ns/void#feature>
Domain: [void:Dataset](#)
Range: [void:TechnicalFeature](#)

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Property: void:inDataset

in dataset – Points to the void:Dataset that a document is a part of.

URI: <http://rdfs.org/ns/void#inDataset>
Domain: [foaf:Document](#)
Range: [void:Dataset](#)
Superproperty: [dct:isPartOf](#)

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Property: void:linkPredicate

a link predicate

URI: <http://rdfs.org/ns/void#linkPredicate>
Domain: [void:Linkset](#)
Range: [rdf:Property](#)

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Property: void:objectsTarget

Objects Target – The dataset describing the objects of the triples contained in the Linkset.

URI: <http://rdfs.org/ns/void#objectsTarget>
Type: [owl:FunctionalProperty](#)
Domain: [void:Linkset](#)
Range: [void:Dataset](#)
Superproperty: [void:target](#)

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Property: void:openSearchDescription

open search description – An OpenSearch description document for a free-text search service over a void:Dataset.

URI: <http://rdfs.org/ns/void#openSearchDescription>
Domain: [void:Dataset](#)
Range: [foaf:Document](#)

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Property: void:properties

number of properties – The total number of distinct properties in a void:Dataset. In other words, the number of distinct resources that occur in the predicate position of triples in the dataset.

URI: <http://rdfs.org/ns/void#properties>
Domain: [void:Dataset](#)
Range: [xsd:integer](#)

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Property: void:property

property – The rdf:Property that is the predicate of all triples in a property-based partition.

URI: <http://rdfs.org/ns/void#property>
Type: [owl:FunctionalProperty](#)
Domain: [void:Dataset](#)
Range: [rdf:Property](#)

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Property: void:propertyPartition

property partition – A subset of a void:Dataset that contains only the triples of a certain rdf:Property.

URI: <http://rdfs.org/ns/void#propertyPartition>
Domain: [void:Dataset](#)
Range: [void:Dataset](#)
Superproperty: [void:subset](#)

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Property: void:rootResource

root resource – A top concept or entry point for a void:Dataset that is structured in a tree-like fashion. All resources in a dataset can be reached by following links from its root resources in a small number of steps.

URI: <http://rdfs.org/ns/void#rootResource>

Domain: [void:Dataset](#)

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Property: void:sparqlEndpoint

has a SPARQL endpoint at

URI: <http://rdfs.org/ns/void#sparqlEndpoint>

Domain: [void:Dataset](#)

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Property: void:subjectsTarget

Subjects Target – The dataset describing the subjects of triples contained in the Linkset.

URI: <http://rdfs.org/ns/void#subjectsTarget>

Type: [owl:FunctionalProperty](#)

Domain: [void:Linkset](#)

Range: [void:Dataset](#)

Superproperty: [void:target](#)

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Property: void:subset

has subset

URI: <http://rdfs.org/ns/void#subset>

Domain: [void:Dataset](#)

Range: [void:Dataset](#)

Subproperties: [void:classPartition](#), [void:propertyPartition](#)

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Property: void:target

Target – One of the two datasets linked by the Linkset.

URI: <http://rdfs.org/ns/void#target>

Domain: [void:Linkset](#)

Range: [void:Dataset](#)

Subproperties: [void:subjectsTarget](#), [void:objectsTarget](#)

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Property: void:triples

number of triples – The total number of triples contained in a void:Dataset.

URI: <http://rdfs.org/ns/void#triples>
Domain: [void:Dataset](#)
Range: [xsd:integer](#)

[\[back to top\]](#)**Property: void:uriLookupEndpoint**

has an URI look-up endpoint at – Defines a simple URI look-up protocol for accessing a dataset.

URI: <http://rdfs.org/ns/void#uriLookupEndpoint>
Domain: [void:Dataset](#)

[\[back to top\]](#)**Property: void:uriRegexPattern**

has URI regular expression pattern – Defines a regular expression pattern matching URIs in the dataset.

URI: <http://rdfs.org/ns/void#uriRegexPattern>
Domain: [void:Dataset](#)

[\[back to top\]](#)**Property: void:uriSpace**

URI space – A URI that is a common string prefix of all the entity URIs in a void:Dataset.

URI: <http://rdfs.org/ns/void#uriSpace>
Domain: [void:Dataset](#)
Range: [rdfs:Literal](#)

[\[back to top\]](#)**Property: void:vocabulary**

vocabulary – A vocabulary that is used in the dataset.

URI: <http://rdfs.org/ns/void#vocabulary>
Domain: [void:Dataset](#)

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