dcat:Catalog

Uri	Range	MRP	Card	Usage Note
dcat:dataset	dcat:Dataset	M	1..n	
dc:description	^ xsd:string	M	1..n	
dc:publisher	^ dataid:Agent	M	1	
dcat:record	^ dataid:DataId	M	1	
dc:title	^ xsd:string	M	1..n	
foaf:homepage	foaf:Document	R	0..1	
dc:language	^ lvont:Language	R	0..n	
dc:license	^ odrl:Policy	R	0..1	
dc:issued	^ xsd:date	R	0..1	
dc:modified	^ xsd:date	R	0..1	
dcat:themeTaxonomy	skos:ConceptScheme	R	0..n	
dc:creator	^ dataid:Agent	O	0..1	
dc:hasPart	dcat:Catalog	O	0..n	
dc:isPartOf	dcat:Catalog	O	0..1	
dc:spatial	dc:Location	O	0..n	
dc:rights	^dataid:SimpleStatement	O	0..1	

dataid:DataId

Uri	Range	MRP	Card	Usage Note
foaf:primaryTopic	^ dataid:Dataset	M	1	
dc:issued	^ xsd:date	^ M	1	
dc:modified	^ xsd:date	M	1	
dc:publisher	^ dataid:Agent	M	1	
dataid:hasEntityContext	dataid:AuthorityEntityContext	M	(0)..n	At least one occurrence of either of these properties is mandatory. For more information on both properties, refer to the corresponding class descriptions.
dataid:hasAccessLevel	dataid:AccessLevel		(0)..1	
dc:title	^ xsd:string	R	0..n	
dataid:associatedAgent	dataid:Agent	R	0..n	
owl:versionInfo	^ xsd:string	^ R	0..1	
dataid:previousVersion	dataid:DataId	R	0..n	
dataid:latestVersion	dataid:DataId	R	0..1	
dc:conformsTo	rdfs:Resource	R	0..1? dcat-ap has max card = 1?	This property refers to an Application Profile that the Dataset's metadata conforms to. Should point to dataid/core or any mid-level ontology in use (incl. version?). Example: dc:conformTo <http://dataid.dbpedia.org/ns/ld> - conforms to: dataid/core and dataid/ld
dc:description	^ xsd:string	^ R	0..n	
dataid:nextVersion	dataid:DataId	O	0..n	
dc:creator	^ dataid:Agent	O	0..1	
adms:status	skos:Concept	O	0..1	Dcat-AP defines it as {:created, :updated, :deleted} which becomes redundant in the dataid context
dc:language	^ lvont:Language	O	0..n	
dc:source	dcat:CatalogRecord	O	0..1	
dataid:identifier	dataid:Identifier	O	0..n	

dataid:Dataset

Uri	Range	MRP	Card	Usage Note
dc:title	^ xsd:string	M	1..n	
dc:description	^ xsd:string	M	1..n	
dcat:distribution	^ dataid:Distribution	^ M	(0)..n	- either dcat:distribution or void:subset has to be present
void:subset	^ dataid:Dataset		(0)..n	- void:subset recommended for dataset hierarchies
dcat:keyword	^ xsd:string	^ M	1..n	
dc:publisher	^ dataid:Agent	^ M	1	
dc:license	^ odrl:Policy	^ M	1..n	
dc:modified	^ xsd:date	^ M	1	
dataid:hasEntityContext	dataid:AuthorityEntity Context	M	(0)..n	At least one occurrence of either of these properties is mandatory. For more information on both properties, refer to the corresponding class descriptions.
dataid:hasAccessLevel	dataid:AccessLevel		(0)..1	
dc:issued	^ xsd:date	^ R	0..1	
owl:versionInfo	^ xsd:string	^ R	0..1	
dcat:landingPage	foaf:Document	R	0..n	
dataid:associatedAgent	dataid:Agent	R	0..n	
dataid:previousVersion	dataid:Dataset	R	0..1	
dataid:latestVersion	dataid:Dataset	R	0..1	
dataid:similarData	dcat:Dataset	R	0..n	
dcat:theme	skos:Concept	R	0..n	
dc:accessRights	^dataid:SimpleStatement	R	0..1	
dc:rights	^dataid:SimpleStatement	R	0..1	
dc:language	^ lvont:Language	^ R	0..n	
foaf:page	foaf:Document	^ R	0..n	Documentation
dc:creator	^ dataid:Agent	O	0..1	
dataid:nextVersion	dataid:Dataset	O	0..1	
dataid:identifier	dataid:Identifier	O	0..n	

dc:isPartOf	^ void:Dataset	O	0..1	
foaf:isPrimaryTopicOf	dcat:CatalogRecord	O	0..1	
dcat:contactPoint	vcard:Kind	O	0..n	becomes redundant in dataid context (R -> O)
dc:conformsTo	^dataid:SimpleStatement	O	0..n	
dc:accrualPeriodicity	dc:Frequency	O	0..1	
dc:hasVersion	dcat:Dataset	O	0..n	
dc:isVersionOf	dcat:Dataset	O	0..n	
dc:identifier	rdfs:Literal	O	0..n	is obsolete due to dataid:identifier
adms:identifier	^ dataid:Identifier	O	0..n	
dc:provenance	^dataid:SimpleStatement	O	0..n	
dc:relation	rdfs:Resource	O	0..n	obsolete due to dataid:similarData
adms:sample	dcat:Distribution	O	0..n	not recommended, use void:exampleResource instead
dc:source	dcat:Dataset	O	0..n	
dc:spatial	dc:Location	O	0..n	
dc:temporal	dc:PeriodeOfTime	O	0..n	
dc:type	skos:Concept	O	0..1	by default this should be dataid:Dataset
void:class	rdfs:Class	O	0..1	The rdfs:Class that is the rdf:type of all entities in a class-based partition.
void:classPartition	void:Dataset	O	0..n	A subset of a void:Dataset that contains only the entities of a certain rdfs:Class.
void:classes	xsd:integer	O	0..1	The total number of distinct classes in a void:Dataset. In other words, the number of distinct resources occuring as objects of rdf:type triples in the dataset.
void:distinctObjects	xsd:integer	O	0..1	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.

void:distinctSubjects	xsd:integer	O	0..1	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.
void:documents	xsd:integer	O	0..1	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.
void:entities	xsd:integer	O	0..1	The total number of entities that are described in a void:Dataset.
void:exampleResource	rdfs:Resource	O	0..n	example resource of dataset
void:feature	void:TechnicalFeature	O	0..n	
void:properties	xsd:integer	O	0..1	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.
void:property	rdf:Property	O	0..1	The rdf:Property that is the predicate of all triples in a property-based partition.
void:propertyPartition	void:Dataset	O	0..n	A subset of a void:Dataset that contains only the triples of a certain rdf:Property.
void:rootResource		O	0..1	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.
void:sparqlEndpoint		O	0..n	has a SPARQL endpoint at
void:triples	xsd:integer	O	0..1	The total number of triples contained in a void:Dataset.
void:uriLookupEndpoint		O	0..n	Defines a simple URI look-up protocol for accessing a dataset.
void:uriRegexPattern		O	0..1	
void:uriSpace	rdfs:Literal	O	0..1	An URI that is a common string prefix of all the entity URIs in a void:Dataset.
void:vocabulary		O	0..1	A vocabulary that is used in the dataset.

dataid:Distribution

Uri	Range	MRP	Card	Usage Note
dcat:accessURL	rdfs:Resource	M	1..n	Any Distribution has to provide at least either an accessURL or a downloadURL. This clashes with DCAT-AP atm. !
dcat:downloadURL				
dc:publisher	^ dataid:Agent	^ M	1	
dc:license	^ odrl:Policy	^ M	1...n	
dc:modified	^ xsd:date	^ M	1	
dataid:hasEntityContext	dataid:AuthorityEntity Context	M	(0)..n	At least one occurrence of either of these properties is mandatory. For more information on both properties, refer to the corresponding class descriptions.
dataid:hasAccessLevel	dataid:AccessLevel		(0)..1	
dcat:mediaType	dataid:MediaType	^ M	0..1	This property refers to the media type of the Distribution as defined in the official register of media types managed by IANA. Recommended for describing serialization of a distribution.
dataid:isDistributionOf	dataid:Dataset	R	0..1	inverseOf dcat:Dataset
dc:description	^ xsd:string	R	0..n	
dcat:byteSize	xsd:decimal	^ R	0..1	
dcat:checksum	spdx:Checksum	^ R	0..1	
foaf:page	foaf:Document	^ R	0..n	This property refers to a page or document about this Distribution.
dc:issued	^ xsd:date	^ R	0..1	
dataid:accessProcedure	xsd:string	R	0..1	If a distribution is not directly downloadable (has an accessURL), this property should describe the necessary steps to acquire the resource.
dataid:softwareRequire ment	foaf:Document	R	0..1	If the resource of a distribution can only be accessed, processed or is only intelligible with a certain software, it should be pointed out with this property.
dc:format	dc:MediaTypeOrExtent	O	1	This property refers to the file

				format of the Distribution. not needed if IANA type available.
dataid:identifier	dataid:Identifier	O	0..n	
dc:creator	^ dataid:Agent	O	0..1	
dc:language	lvont:Language	O	0..n	
dc:conformsTo	^dataid:Simple Statement	O	0..n	This property refers to an established schema to which the described Distribution conforms.
dc:title	^ xsd:string	O	0..n	
dc:rights	^dataid:Simple Statement	O	0..1	This property refers to a statement that specifies rights associated with the Distribution.
dataid:preview	foaf:Document	O	0..n	provides a preview of the content (depicting the underlying serialization) of the Distribution.
dataid:accessProtocol	rdfs:Literal	O	0..1	defines the protocol user by the distribution provider - controlled vocab.: tcp, udp, dccp, stcp - by default dataid hub assumes tcp

dataid:Identifier

Uri	Range	MRP	Card	Usage Note
skos:notation	datacite:IdentifierScheme	M	1	
dc:creator	^ foaf:Agent	R	0..1	
dc:issued	^ xsd:date	O	0..1	
adms:schemeAgency	^ xsd:string	O	0..1	
dataid:identifierURL	foaf:Document	O	0..1	

dataid:MediaType

Uri	Range	MRP	Card	Usage Note
dataid:typeTemplate	rdfs:Literal	M	1	The template (or mime type string) of a media Type.

dataid:typeName	rdfs:Literal	R	0..n	Names the media types described.
dataid:typeExtension	rdfs:Literal	R	0..n	Lists file extensions commonly used with this mime type.
dataid:typeReference	rdfs:Resource	O	0..n	Refers to a standard or person associated with this mime type.
dataid:innerMediaType	dataid:MediaType	O	0..1	Points out the MediaType of the (compressed) file inside this one.

dataid:Agent

Uri	Range	MRP	Card	Usage Note
foaf:name	^ xsd:string	M	1	
foaf:mbox	^ xsd:string	M	1..n	either foaf:mbox or foaf:homepage has to be provided
foaf:homepage	foaf:Document			
dataid:identifier	dataid:Identifier	O	0..n	
foaf:account	foaf:OnlineAccount	O	0..1	for account information used on dataid hub

dataid:AuthorityEntityContext

Uri	Range	MRP	Card	Usage Note
dataid:authorizedFor	prov:Entity	M	1..n	
dataid:authorizedAgent	dataid:Agent	M	1	
dataid:validForAccessLevel	dataid:AccessLevel	M	1..n	
dataid:authorityAgent Role	dataid:AgentRole	M	1..n	
dataid:isInheritable	xsd:boolean	M	1	
dataid:validFrom	xsd:date	O	0..1	
dataid:validUntil	xsd:date	O	0..1	

dataid:AgentRole

Uri	Range	MRP	Card	Usage Note
dataid:allowsFor	dataid:AuthorizedAgent	M	1..n	