DIGITAL PUBLIC LIBRARY OF AMERICA
Metadata Application Profile, Version 3

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1. Introduction

This version is designed to build on the experience of the Europeana Data Model (EDM). In addition, it incorporates feedback from the DPLA community and digital hub pilot participants to create a balanced framework that allows us to accommodate existing and emerging data models for library, archive, and museum resources.

DPLA MAP Version 3 is targeted towards exposing contributed metadata via the DPLA API in the April 2013 DPLA public release. We anticipate continuing to evolve this model over time in response to ongoing community input and to extend the functionality provided by DPLA in its API and its public portal.

It is not possible for this documentation to account for all of properties used by current or future DPLA content providers. The following documentation provides developers a baseline of properties available via DPLA services.

Europeana Data Model (EDM)

EDM enables the integration of descriptions provided by content providers that respects the properties they have assigned to resources. Developers using DPLA services should refer to the Europeana Data Model (pro.europeana.eu/edm-documentation) for additional information.
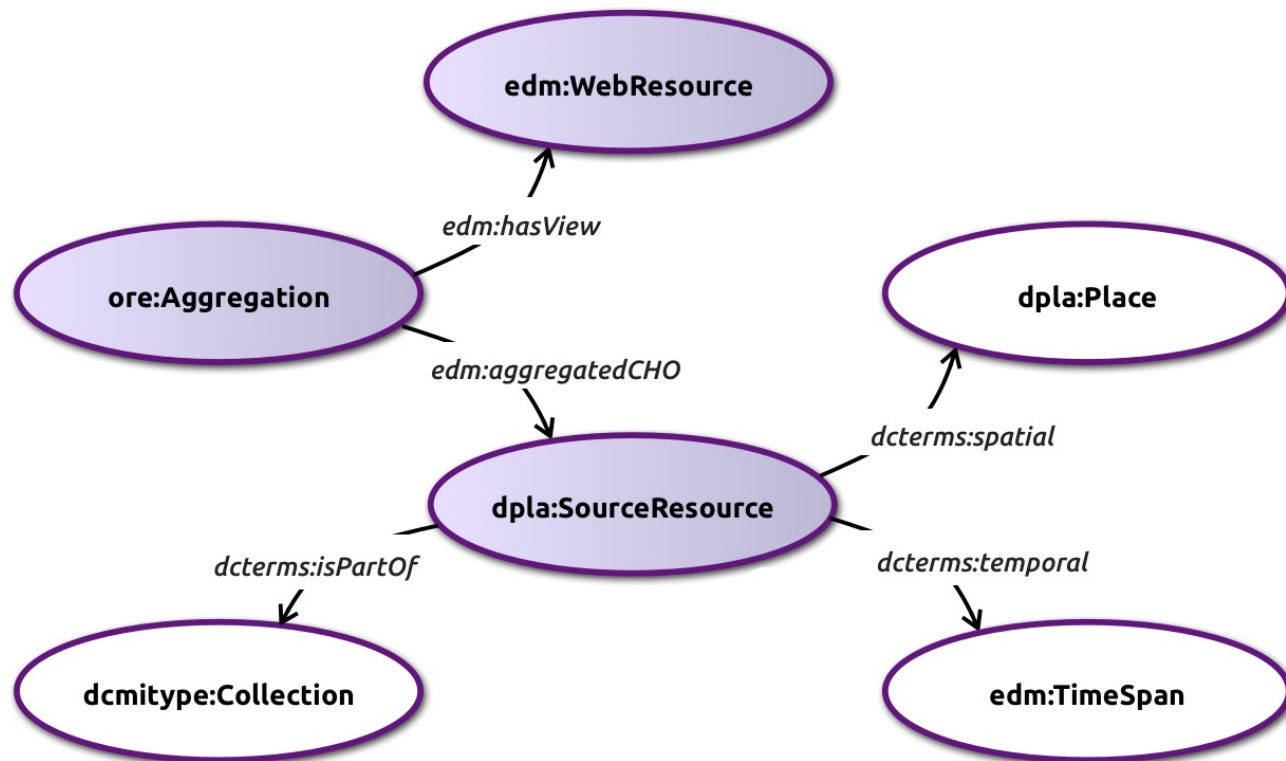
Digital Public Library of America (DPLA)

DPLA has chosen to publish this documentation even as we are beginning work on the formal specification in RDF of the DPLA class and properties. This is, in part, to allow time to gather additional feedback from the community. A preliminary release of the RDF schema is available at http://dp.la/about/schema.

In addition to EDM specific classes and properties, DPLA MAP reuses definitions from the following sources:
○ Resource Description Framework (RDF) and the RDF Schema (RDFS) (http://www.w3.org/TR/rdf-concepts/)
○ OAI Object Reuse and Exchange (ORE) (http://www.openarchives.org/ore)
○ Dublin Core namespaces for elements (http://purl.org/dc/elements/1.1/, abbreviated as DC), terms (http://purl.org/dc/terms/, abbreviated as DCTERMS) and types (http://purl.org/dc/dcmitype/, abbreviated as DCMITYPE)
○ The Basic Geo (WGS84 lat/long) Vocabulary (http://www.w3.org/2003/01/geo/)

2. Digital Public Library of America Domain Model, v.3

Core classes are highlighted

3. DPLA MAP classes and properties

A. class= "dpla:SourceResource"

This class is a subclass of "edm:ProvidedCHO," which comprises the source resources [in EDM called "cultural heritage objects"] about which DPLA collects descriptions. It is here that attributes of source resources are located, not the digital representations of them.

Label	Property	Sub-property of	Range	Usage	Value Origination	Vocab Schema	Syntax Schema	Obligation
Collection	dcterms:isPartOf	dc:relation	dcmitype:Collection	URI of collection or aggregation of which source resource is a part	DPLA			min 0, max unbounded
Contributor	dc:contributor			Entity responsible for making contributions to source resource	Partner			min 0, max unbounded
Creator	dc:creator			Entity primarily responsible for making source resource	Partner			min 0, max unbounded
Date	dc:date	edm:hasMet	edm:TimeSpan*	Point or period of time associated with an event in lifecycle of source resource *(literal value in this version)*	Partner			min 0, max unbounded
Description	dc:description			Includes but is not limited to: an abstract, a table of contents, or a free-text account of source resource	Partner			min 0, max unbounded
Extent	dcterms:extent			Size or duration of source resource	Partner			min 0, max unbounded
Identifier	dc:identifier			ID of source resource within a given context	Partner			min 0, max unbounded
Language	dc:language			Language(s) of source resource	Partner	dcterms:iso6393		Recommended (min 0, max unbounded)
State Located In	edm:currentLocation	dcterms:spatial		Name of the state in which the source resource is held,	DPLA *(extrapolated from Data Provider value)*	dcterms:iso3166[1,2]		0 to 1
Format	dc:format			File format, physical medium or dimensions of source resource	Partner			min 0, max unbounded

Label	Property	Sub-property of	Range	Usage	Value Origination	Vocab Schema	Syntax Schema	Obligation
Place	dcterms:spatial		dpla:Place*	Spatial characteristics of source resource *(usually a literal value in this version)*	Partner			min 0, max unbounded
Publisher	dc:publisher			Entity responsible for making the source resource available, typically the publisher of a text (not edm:dataProvider or edm:provider)	Partner			min 0, max unbounded
Relation	dc:relation			Related resource	Partner			min 0, max unbounded
Rights	dc:rights			Information about rights held in and over source resource. Typically, rights information includes a statement about various property rights associated with source resource, including intellectual property rights.	Partner			min 1, max unbounded
Subject	dc:subject			Topic of source resource	Partner			min 0, max unbounded
Temporal Coverage	dcterms:temporal			Temporal characteristics of source resource	Partner			min 0, max unbounded
Title	dc:title			Name given to source resource	Partner			min 1, max unbounded
Type	dc:type			Nature or genre of source resource	Partner	dcmitype		Recommended (min 0, max unbounded)

B. class="dcmitype:Collection"

Label	Property	Sub-property of	Range	Usage	Value Origination	Vocab Schema	Syntax Schema	Obligation
Collection Title	dc:title			Name of the collection or aggregation	Partner			min 1, max unbounded
Collection Description	dc:description			Free-text account of aggregation, for example an abstract or	Partner			min 1, max unbounded

				content scope note				

C. class="dpla:Place"

See Appendix A for proposed changes to this class in the next version of the DPLA MAP.

Label	Property	Sub-property of	Range	Usage	Value Origination	Vocab Schema	Syntax Schema	Obligation
City	dpla:city	dcterms:spatial		Name of a city (literal)	DPLA *(extrapolated from partner data)*			0 to 1
State	dpla:state	dcterms:spatial		ISO 3166-2 code for a U.S. state or territory	DPLA *(extrapolated from partner data)*		dcterms:iso3166[1,2]	0 to 1
County	dpla:county	dcterms:spatial		Name of a U.S. county (literal)	DPLA *(extrapolated from partner data)*			0 to 1
Region	dpla:region	dcterms:spatial		Name of a region, e.g., "Upstate New York" (literal)	DPLA *(extrapolated from partner data)*			0 to 1
Country	dpla:country	dcterms:spatial		ISO 3166-1 code for a country	DPLA *(extrapolated from partner data)*		dcterms:iso3166[1,2]	0 to 1
Coordinates	wgs84_pos:lat_long			Latitudinal and longitudinal coordinates for the most specific geographic location provided	DPLA *(extrapolated from partner data)*		wgs84	0 to 1

D. class="edm:TimeSpan"

Label	Property	Sub-property of	Range	Usage	Value Origination	Vocab Schema	Syntax Schema	Obligation
Original Source Date	dc:date			Date value as supplied by data provider	Partner		W3CDTF, EDTF, local	min 0, max unbounded
Begin	edm:begin			Date timespan started	DPLA		EDTF	0 to 1
End	edm:end			Date timespan finished	DPLA		EDTF	0 to 1

E. class="edm:WebResource"

The attributes of the digital representation of the web resource, not the source resource itself.

Label	Property	Sub-property of	Range	Usage	Value Origination	Vocab Schema	Syntax Schema	Obligation
File Format	dc:format			Web resource format	Partner	dcterms:imt		min 1, max unbounded
Rights	dc:rights			Statement about various property rights associated with the webResource, including intellectual property rights.	Partner			min 0, max unbounded

F. class="ore:Aggregation"

The aggregation of attributes that apply to the source resource as a whole, obtained from edm:WebResource and dpla:SourceResource.

Label	Property	Sub-property of	Range	Usage	Value Origination	Vocab Schema	Syntax Schema	Obligation
Aggregated source resource	edm:aggregatedCHO			Unambiguous ID to SourceResource	DPLA		dcterms:URI	1
Data Provider	edm:dataProvider			Provider of the SourceResource and WebResource	Partner			1
Digital Resource Source Record	dpla:originalRecord	ore:aggregates		Complete original record				1
Has View	edm:hasView		edm:WebResouce	Relates a ORE aggregation about a CHO with a WebResource	Partner		dcterms:URI	min 0, max unbounded
Is Shown At	edm:isShownAt			Unambiguous URL reference to digital object in its full information context.	Partner		dcterms:URI	1
Object	edm:object			Unambiguous URL to the DPLA content preview.	DPLA		dcterms:URI	1
Provider	edm:provider		edm:Agent*	Service or content hub providing access to the Data Providers content. May contain the same value as Data Provider. *(literal value in this version)*	Partner			1

*Some classes will be expressed in greater detail in a future version of this application profile as we transition our"linking" values from literals to URIs

Appendix A. Planned changes to class="dpla:Place"

The next version of DPLA MAP will replace the current dpla:Place class with the one proposed below.

class="edm:Place"

Label	Property	Sub-property of	Range	Usage	Value Origination	Vocab Schema	Syntax Schema	Obligation
Feature Name	gn:name			The main international name of a feature. The value has no xml:lang tag.	Partner			1
Feature Type	gn:featureCode		gn:Code	Type of the feature, as defined in geonames taxonomy.	DPLA			
Latitude	wgs84_pos:lat			Latitude of feature	DPLA		wgs84	0 to 1
Longitude	wgs84_pos:long			Longitude of feature	DPLA		wgs84	0 to 1
Parent Feature	gn:parentFeature		edm:Place	A feature parent of the current one, in either administrative or physical subdivision.	DPLA			min 0, max unbounded
Parent Country	gn:countryCode			A two letters country code in the ISO 3166 list			ISO 3166	0 to 1