

Having your cake and eating it too: JSON-LD as an RDF serialization format
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Steve Baskauf <https://orcid.org/0000-0003-4365-3135>

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Reference URLs (in order of presentation):

JSON specification: <https://www.json.org/>

JSON-LD W3C Recommendation: <https://www.w3.org/TR/json-ld11/>

IIIF Design Patterns document: https://iiif.io/api/annex/notes/design_patterns/

Simple Darwin Core Guide: <http://rs.tdwg.org/dwc/terms/simple/>

Darwin Core Text Guide (defines the "star schema" pattern):

<http://rs.tdwg.org/dwc/terms/guides/text/>

Audubon Core Regions of Interest (ROI) terms: <http://rs.tdwg.org/ac/doc/termlist/#711-region-of-interest-vocabulary>

Audubon Core ROI recipes: <https://github.com/tdwg/ac/blob/master/roi-recipes.md>

Darwin Core *establishmentMeans* controlled vocabulary: <http://rs.tdwg.org/dwc/doc/em/>

Audubon Core *format* controlled vocabulary: <http://rs.tdwg.org/ac/doc/format/>

Darwin Core *ResourceRelationship* terms: <https://dwc.tdwg.org/terms/#resourcerelationship>

RDF reification vocabulary: https://www.w3.org/TR/rdf-schema/#ch_reificationvocab

Wikibase references graph model diagram: <https://heardlibrary.github.io/digital-scholarship/iod/wikibase/#references>

RDF Skolemization: <https://www.w3.org/TR/rdf11-concepts/#section-skolemization>

Examples and try-it-yourself links:

iNaturalist-based sound ROI example used in several slides:

<https://github.com/tdwg/ac/blob/master/fragments/inat/inat.json>

Python Jupyter notebook to convert from tabular controlled vocabularies normative and translation tables to JSON-LD: https://github.com/tdwg/rs.tdwg.org/blob/gh-pages/cvJson/build_json_ld_for_controlled_vocabularies.ipynb

establishmentMeans JSON-LD with translations:

<https://tdwg.github.io/rs.tdwg.org/cvJson/establishmentMeans.jsonld>

Demonstration web app that pulls JSON-LD data on the fly to display *establishmentMeans* labels and definitions in three languages: <https://tdwg.github.io/rs.tdwg.org/cvJson/display-cv.html>

format JSON-LD (English only): <https://tdwg.github.io/rs.tdwg.org/cvJson/format.jsonld>

Starter SPARQL SELECT query to explore relationships (*broader* and *exactMatch*) among concepts in two concept schemes of the *format* controlled vocabulary (to be run on a graph loaded into <https://sparql.vanderbilt.edu/> from the JSON-LD above):

<https://gist.github.com/baskaufs/916a5210e8df75a41174dffdf9573d7d>

ResourceRelationship tabular data (based on examples in the term metadata):

<https://gist.github.com/baskaufs/639d05dd485564a125feaf1b6adaac17>

ResourceRelationship JSON-LD generated from tabular data above:

<https://gist.github.com/baskaufs/f8f8ddc3b2161beea789492e350ec374>

SPARQL CONSTRUCT query to generate a *ResourceRelationship* triple using Skolem IRIs, generated from the example data (to be run on a graph loaded into <https://sparql.vanderbilt.edu/> containing the JSON-LD above):

<https://gist.github.com/baskaufs/379a694e1f4e235e3261972995fdfbf0>