

Use Case 1.2 - Triples Examples

Table of Contents

- [Expanding Use Case 1.1](#)
- [Ontologies](#)
- [Virtual Collections](#)
 - [Virtual Collection's owner](#)
 - [Virtual Collection's collaborators](#)
 - [Virtual Collection's metadata](#)

Expanding Use Case 1.1

The triples on this page expand the set of triples specified for [Use Case 1.1](#).

Ontologies

The following is a list of all ontologies used by the Triple Examples.

Name	Prefix	URL	Details	Comments
RDF	rdf	http://www.w3.org/1999/02/22-rdf-syntax-ns#	specificati on	
RDF Schema	rdfs	http://www.w3.org/2000/01/rdf-schema#	specificati on	
Dublin Core	dc	http://purl.org/dc/elements/1.1/	specificati on	
Dublin Core Terms	dcterms	http://purl.org/dc/terms	specificati on	Required by OA
Dublin Core Types	dctype	http://purl.org/dc/dcmitype	specificati on	Required by OA
Content	cnt	http://www.w3.org/2011/content#	specificati on	Required by OA
ORE	ore	http://www.openarchives.org/ore/1.0/vocabulary#otherRelationships	specificati on	Recommended as an alternative to the Collections ontology by Rob. Represents both ordered and unordered items using the Aggregation class.
Collections	co	http://purl.org/co	specificati on	Can represent unordered items using the Bag class and ordered items using the List class.
Open Annotation	oa	http://www.w3.org/ns/oa	specificati on	
Friend of a Friend	foaf	http://xmlns.com/foaf/0.1	specificati on	Also used by OA

Virtual Collections

Virtual Collection's owner

Same as for [Use Case 1.1](#).

Virtual Collection's collaborators

Note: The collaborators are represented by their group as dc:contributor in the Virtual Collection's metadata.

n-triples

```
<http://localhost:3000/individual/fg346> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type> <http://xmlns.com/foaf/0.1/Agent> .
<http://localhost:3000/individual/fg346> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type> <http://xmlns.com/foaf/0.1/Group> .

<http://vivo.cornell.edu/individual/individual24416> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type>
<http://xmlns.com/foaf/0.1/Person> .
<http://vivo.cornell.edu/individual/individual24416> <http://xmlns.com/foaf/0.1/member> <http://localhost:3000/individual/fg346> .
<http://vivo.cornell.edu/individual/rjv23> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type> <http://xmlns.com/foaf/0.1/Person> .
<http://vivo.cornell.edu/individual/rjv23> <http://xmlns.com/foaf/0.1/member> <http://localhost:3000/individual/fg346> .
<http://vivo.cornell.edu/individual/EleanorRayle> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type>
<http://xmlns.com/foaf/0.1/Person> .
<http://vivo.cornell.edu/individual/EleanorRayle> <http://xmlns.com/foaf/0.1/member> <http://localhost:3000/individual/fg346> .
```

Turtle

```
@prefix foaf:    <http://xmlns.com/foaf/0.1> .

<http://localhost:3000/individual/fg346> a foaf:Agent, foaf:Group .

<http://vivo.cornell.edu/individual/individual24416> a foaf:Person ;
  foaf:member <http://localhost:3000/individual/fg346> .
<http://vivo.cornell.edu/individual/rjv23> a foaf:Person ;
  foaf:member <http://localhost:3000/individual/fg346> .
<http://vivo.cornell.edu/individual/EleanorRayle> a foaf:Person ;
  foaf:member <http://localhost:3000/individual/fg346> .
```

Virtual Collection's metadata

Same as for [Use Case 1.1](#) plus triples representing collaborators.

n-triples

```
<http://localhost:3000/individual/vc155> <http://purl.org/dc/elements/1.1/contributor> <http://localhost:3000/individual/fg346> .
```

Turtle

```
@prefix dc:      <http://purl.org/dc/elements/1.1/> .

<http://localhost:3000/individual/vc155>
...
dc:contributor   <http://localhost:3000/individual/fg346> .
```

QUESTIONS:

- Should dc:contributor be used for collaborators role? Same question asked for dc:creator and ownership in Use Case 1.1. See that Use Case for more information on possible alternatives.
 - ANSWER: NO - per Paolo
 - REASON: Muddy concept. What exactly is the meaning of someone who is a contributor?
 - ALTERNATIVE: Under exploration. Paolo recommends looking at...

- [PROV ontology](#) - provenance
- [PAV ontology](#) - provenance, authoring, and versioning