

Moving stuff from ARC2 to Marmotta

- Select All the Subject Nodes with
`/arc2requestpractice/selectsubjects.php`
- Select all of the triples for each particular subject and map to arrays for each particular subject
- Create LDP Containers with the subject as each name
`/phprequestspractice/postrequest.php`

- Add the arrays or each particular subject triple to the LDP containers with the subject triple title (modify `phprequestspractice/putrequest2.php` to accept arrays instead of just binary strings ... and somehow write this as a turtle file...)
- Somehow construct the content of the turtle file from an array and test it by outputting the results to a screen and a file...(create a buffer so the contents all go to one variable) --- perhaps use `phpimplode`...(converts to string with new lines) <http://php.net/manual/en/function.implode.php> .. this seems to work...

- Figure out how you are going to write your LDP container files, as a header you might want..(check the Drupal 7 namespace)

@prefix rdf: <<http://www.w3.org/1999/02/22-rdf-syntax-ns#>> .

- @prefix rdfs: <<http://www.w3.org/2000/01/rdf-schema#>> .
- @prefix socrata: <<http://www.socrata.com/rdf/terms#>> .
- @prefix dcat: <<http://www.w3.org/ns/dcat#>> .
- @prefix ods: <<http://open-data-standards.github.com/2012/01/open-data-standards#>> .
- @prefix dcterms: <<http://purl.org/dc/terms/>> .
- @prefix geo: <http://www.w3.org/2003/01/geo/wgs84_pos#> .
- @prefix skos: <<http://www.w3.org/2004/02/skos/core#>> .
- @prefix foaf: <<http://xmlns.com/foaf/0.1/>> .
- @prefix dsbase: <<http://data.nasa.gov/resource/>> .
- @prefix ds: <<http://data.nasa.gov/resource/gvk9-iz74/>> .
- @prefix dc: <<http://purl.org/dc/terms/>> .
- @prefix usps: <<http://www.w3.org/2000/10/swap/pim/usps#>> .
-
- <> a ds:center ;
-

- First copy the default namespaces from <http://localhost/drupal-7.42/#overlay=admin/config/services/rdf/namespaces> RDF Publishing settings in drupal and then get the additional ones from:
the rdfs_namespaces table (first try to write without prefixes)

<> is the subject in the ttl ldp container...

?p and ?o are the triples contained in the ldp container... (experiment to see if you can write uris without curies [the prefixes] in ldp)

-
- now look at getting content to write to your ldp container...via sparql queries... focus on only certain entity types? ... also include tags...

- How do you create an array in an array in php? ... thus I could select a subject and see all of the related triples...
- Array subject (key = subject ==> predicate ==> array(predicate, object) ... how to create multidimensional arrays in php...

Applications Places System Wed, 30 Mar 16:18 brent

Resource/s in HTML LodLive - browsing the Richard Benyon | localh username | localhost Brent

localhost/LodLive/app_en.html?http://localhost:8080/marmotta/ldp/richard-benyon

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```
graph TD; Root["Marmotta's LDP Root Container"]; Files["Brent Shambaugh Files"]; Benyon["Richard Benyon"]; NASA["NASA Facilities"]; Teal1["http://localhost.."]; Teal2["http://localhost.."]; Root -- contains --> Files; Root -- contains --> NASA; Root -- contains --> Benyon; Benyon -- has_creator --> Teal1; Benyon -- url --> Teal2;
```

[PHP: Logical Operat... [richard_benyon_ldp] LodLive - browsing th... Terminal - brent@bre... Terminal - brent@bre... [Documents - File Ma... multiimplodewkey.p...



- Views
- Triples
- Inspector

RDF/HTML

RDF/XML | N3 | Turtle | RDF/JSON | JSON-LD

Triples

<http://localhost:8080/marmotta/ldp/drupalsite>

property	has value	context	info
dct:created	"2016-03-31T08:59:26.000-04:00"^^xsd:dateTime	http://www.w3.org/ns/ldp#	
dct:modified	"2016-03-31T09:08:36.000-04:00"^^xsd:dateTime	http://www.w3.org/ns/ldp#	
rdf:type	ldp:BasicContainer	http://www.w3.org/ns/ldp#	
rdf:type	ldp:Container	http://www.w3.org/ns/ldp#	
rdf:type	ldp:RDFSsource	http://www.w3.org/ns/ldp#	
rdf:type	ldp:Resource	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/pirs-dockingairlock	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/long-march-3b	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/japanese-experiment-module-remote-manipulator-system	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/phoenix-lander	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/testsmg	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/title-testy	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/after-predicate	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/predicate	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/ikaros-solar-sail-test-jaxa	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/brent-shambaugh	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/jerry-rice	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/bob-barker	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/jane-doe	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/joe-smith	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/team-2	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/team-1	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/canadarm-2-ssrms	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/lunar-laser-communications-demonstration	http://www.w3.org/ns/ldp#	
ldp:contains	http://localhost:8080/marmotta/ldp/drupalsite/tem-ef	http://www.w3.org/ns/ldp#	

- The containers are empty however...
- Here is the code that I have...

Applications Places System Thu, 31 Mar 11:19 brent

combinescripts.php — /home/brent/Documents/arc2requestp — Atom

File Edit View Selection Find Packages Help

selectsubjects.php selectsubjectpredi multidimensional selectparticularno selectparticularno selectpredicateob combinescripts.ph insearchofhttp.ph multiimplodewkey combinepostreq.p

```
1 <?php
2 require_once('selectsubjectpredicateobject.php');
3 require_once('multiimplodewkey.php');
4 //require_once('combinepostreq.php');
5
```

katrin long-r lord-d lunar- manni multic multii owen- peter- phoer pirs-di predic READI richan salzbu salzbu select select select select select sergio space: stony. team- team- testsn title-t tom-t uk-dej vegat:

combinescripts.php 4:5 LF UTF-8 PHP master

Resource/s in HTML - Moz... *richard_benyon_ldp Resource/s in HTML - Goo... Terminal - brent@brent-In... Terminal - brent@brent-In... combinescripts.php — /h...

Applications Places System Thu, 31 Mar 11:18 brent

multiimplodewkey.php — /home/brent/Documents/arc2requestp — Atom

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katrin selectsubjects.php selectsubjectpredi multidimensionala selectparticularno selectparticularno selectpredicateobj combinescripts.ph insearchofhttp.ph multiimplodewkey combinepostreq.p

```
99     $newstring = '\\'.$string.'\\';
100 }
101 return $newstring;
102 }
103
104 function postandputtoldp($containertitle,$data) {
105     $url = 'http://localhost:8080/marmotta/ldp/drupalsite2/';
106     $headers = array('Content-Type' => 'text/turtle','Slug' => $containertitle);
107     $response = Requests::post($url, $headers);
108
109     $url = $url.$containertitle;
110     //echo $url;
111
112     $existingheaders = get_headers($url);
113     //echo $existingheaders;
114
115     $etag = preg_replace('/ETag: /i','', $existingheaders[5]);
116     echo $etag;
117
118     $headers = array('Content-Type' => 'text/turtle',
119                     'If-Match' => $etag ,
120                     'Slug' => $containertitle);
121
122     echo($data);
123
124     $response = Requests::put($url,$headers,$data);
125 }
126
```

multiimplodewkey.php 37:9

multiimplodewkey.php — /home/brent/Documents/arc2requestp — Atom

Resource/s in HTML - Moz... *richard_benyon_ldp Resource/s in HTML - Goo... Terminal - brent@brent-In... Terminal - brent@brent-In... multiimplodewkey.php —

Applications Places System Thu, 31 Mar 11:19 brent

selectsubjectpredicateobject.php — /home/brent/Documents/arc2requestp — Atom

File Edit View Selection Find Packages Help

selectsubjectpredi multidimensionale selectparticularno selectparticularno selectpredicateobj combinescripts.phj insearchofhttp.phj multiimplotdewkey combinepostreq.p

```
70 */
71
72 // print_r($subarraymatches);
73
74 ?>
75
76
77 <?php
78
79
80 // $subjectvar = 'http://localhost/drupal-7.42/content/owen-paterson';
81 // $subject = '<'.$subjectvar.>';
82 // $secondarray = array(array());
83 $secondarray = array();
84
85 foreach($subarraymatches as $k => $value) {
86
87 $subjectvar = strval($subarraymatches[$k]);
88 $subject = '<'.$subjectvar.>';
89
90
91 // Perform SELECT query on RDF store to populate array for all triples with schema:isRelatedTo predicate
92 $result = $sparql->query(
93     'SELECT DISTINCT ?p ?o { '.$subject.' ?p ?o . }'
94 );
95
96 $predarray = array();
97 $objarray = array();
98
```

selectsubjectpredicateobject.php 99:9 LF UTF-8 PHP master

Resource/s in HTML - Moz... *richard_benyon_idp Resource/s in HTML - Goo... Terminal - brent@brent-In... Terminal - brent@brent-In... selectsubjectpredicateobj...