

Metacat - Feature #6285

Handle EML singleDateTime field in SOLR index

12/06/2013 11:38 AM - Lauren Walker

Status:	Resolved	Start date:	12/06/2013
Priority:	Normal	Due date:	
Assignee:	ben leinfelder	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	2.4.0	Spent time:	0.00 hour
Bugzilla-Id:			
Description			
Data packages may store temporal coverage in as a range of dates - beginDate and endDate or as a single date - singleDateTime - which is currently not in the schema file. This is preventing data sets described by a singleDateTime from being included in data coverage year searches.			
Example data set -- doi:10.5063/AA/nceas.290.8			
https://knb.ecoinformatics.org/m/#view/doi:10.5063/AA/nceas.290.8			

History

#1 - 12/19/2013 01:34 PM - ben leinfelder

- Target version set to 2.4.0

#2 - 12/19/2013 01:40 PM - ben leinfelder

- Subject changed from Add singleDateTime field to Solr schema file to Handle EML singleDateTime field tin SOLR index

I think the approach should be to write the singleDateTime value to the existing solr fields for start and end date so that our client queries can remain the same.

There is a slight loss in semantics when we do this, but I think it is okay.

#3 - 01/16/2014 09:51 AM - ben leinfelder

- Status changed from New to In Progress

- Assignee set to ben leinfelder

Giving this a whirl locally and adding it to the CN lib so we all can make use of it.

#4 - 01/31/2014 10:43 AM - ben leinfelder

- Status changed from In Progress to Closed

Added the application-context fiels for all eml versions to our local metcat-index project with the new singleDateTime parsing defined. These are also in the d1 project's trunk so they will benefit from the change, eventually. We could, eventually, remove our local context files when we use a newer tagged version of the d1 library that includes these new beans.

#5 - 02/14/2014 10:19 AM - ben leinfelder

- Description updated

#6 - 02/14/2014 10:46 AM - ben leinfelder

- Status changed from Closed to In Progress

#7 - 02/14/2014 10:48 AM - ben leinfelder

- Subject changed from Handle EML singleDateTime field tin SOLR index to Handle EML singleDateTime field in SOLR index

#8 - 02/14/2014 11:59 AM - ben leinfelder

Removed the extra bean definitions and combined the single and range of dates into the existing beginDate and endDate fields.

```
//dataset/coverage/temporalCoverage/rangeOfDates/beginDate/calendarDate/text() | //dataset/coverage/temporalCoverage/singleDateTime/calendarDate/text()  
//dataset/coverage/temporalCoverage/rangeOfDates/endDate/calendarDate/text() | //dataset/coverage/temporalCoverage/singleDateTime/calendarDate/text()
```

#9 - 02/18/2014 02:25 PM - ben leinfelder

- *Status changed from In Progress to Resolved*

I'm happy with this as an interim solution until we implement something that can effectively query multiple ranges or multiple single values (see: <https://redmine.dataone.org/issues/4278>)