

Infrastructure - Task #1599

Story # 312 (Closed): Identifier generation and reservation

Generate pid when not provided in CNCore.generateIdentifier

2011-05-31 15:19 - Dave Vieglais

Status:	Closed	Start date:	2011-05-31
Priority:	Normal	Due date:	
Assignee:	Matthew Jones	% Done:	100%
Category:	d1_cn_service	Estimated time:	0.00 hour
Target version:	Sprint-2012.03-Block.1.2	Story Points:	
Milestone:	CCI-1.0.0		
Product Version:	*		

Description

Implement the http://mule1.dataone.org/ArchitectureDocs-current/apis/CN_APIs.html#CNRead.generateIdentifier method.

This method *should* delegate to the EZID service (<http://n2t.net/ezid>) for production of the identifier. There *may* be some issues to consider for the intended longevity of identifiers created there - can we create a temporary identifier, that can later be confirmed as being real?

History

#1 - 2011-06-10 16:03 - Ben Leinfelder

- Subject changed from *Implement CNRead.reservIdentifier* to *Implement CNCore.reservIdentifier*

#2 - 2011-07-13 22:50 - Ben Leinfelder

- Milestone set to CCI-0.6.3

- Subject changed from *Implement CNCore.reservIdentifier* to *Generate pid when not provided in CNCore.reservIdentifier*

#3 - 2011-11-01 16:48 - Ben Leinfelder

My current understanding is the DataONE won't actually be able to dole out identifiers it gets from EZID.

#4 - 2011-11-15 04:11 - Dave Vieglais

- Milestone changed from CCI-0.6.3 to CCI-1.0.0

- Category set to *d1_libclient_java*

- Assignee changed from *Ben Leinfelder* to *Matthew Jones*

- Target version set to *Sprint-2011.46-Block.6*

#5 - 2011-11-28 17:59 - Ben Leinfelder

- Subject changed from *Generate pid when not provided in CNCore.reservIdentifier* to *Generate pid when not provided in CNCore.generateIdentifier*

I'm not sure DataONE was approved to mint IDs for everyone...kind of eats into the EZID income stream. Perhaps MNs should be wholly responsible for ID generation.

#6 - 2011-11-28 18:19 - Matthew Jones

- Target version changed from *Sprint-2011.48-Block.6* to *Sprint-2011.46-Block.6*

- Category changed from *d1_libclient_java* to *d1_cn_service*

Decided not to use the EZID service for now due to policy issues. Will revisit that later. For now, implement a simple id generator that creates and reserves the identifier using a simple timestamp or UUID based id scheme, and return it to the caller.

#7 - 2012-01-19 01:29 - Matthew Jones

- % Done changed from 0 to 100

- Status changed from New to Closed

generateIdentifier() method added to ReserveldentifierController and ReserveldentifierService, completing this task. The only identifier scheme current supported is UUID. You can try the service by running a command such as this:

```
curl -X POST -s \  
-H "Charset: utf-8" \  
-H "Content-Type: multipart/form-data; boundary=-----6B3C985C-6290-11DF-A355-A6ECDED72085_$" \  
-H "Accept: text/xml" \  
-H "User-Agent: curl-tester" \  
--cert /tmp/x509up_u501 \  
-F scheme=UUID \  
-F fragment=nothing \  
"https://cn-dev.dataone.org/cn/v1/generate"
```