

Infrastructure - Task #2088

Story # 2086 (Closed): CN issues found when creating tests for Python D1 CNClient

CNCore.reserveldentifier() returns 404

2011-12-05 17:36 - Roger Dahl

Status:	Closed	Start date:	2011-12-05
Priority:	Normal	Due date:	
Assignee:	Ben Leinfelder	% Done:	100%
Category:	Environment.Development	Estimated time:	0.00 hour
Target version:	Sprint-2012.11-Block.2.2	Story Points:	
Milestone:	CCI-1.0.0		
Product Version:	*		
Description			
... 12/02/14 07:55:25 DEBUG operation: POST /cn/v1/reserve			
NotFound: name: NotFound			
errorCode: 404			
detailCode: 404			
description: Not Found: The server has not found anything matching the Request-URI.			
PID: None			

History

#1 - 2012-02-13 04:55 - Roger Dahl

ServiceFailure: name: ServiceFailure
errorCode: 500
detailCode: 0
description: Node responded with a valid status code but failed to include the expected Content-Type
Status code: 400
Content-Type: text/xml;charset=UTF-8

traceInformation: <?xml version="1.0" encoding="UTF-8"?>

PID causes: No unmarshaller for element "{<http://ns.dataone.org/service/types/v1>}Identifier" (line 1, col 89)

#2 - 2012-02-14 14:59 - Roger Dahl

- Subject changed from CNCore.reserveldentifier() returns 500 to CNCore.reserveldentifier() returns 404
- Milestone changed from CCI-0.6.4 to CCI-1.0.0

Changed from 500 to 404. 500 was due to a bug in my code.

#3 - 2012-02-14 18:21 - Matthew Jones

Are you sure the CN was up when you tested? Does the service work with curl for you? It used to work using curl for me a couple of weeks ago. Right now it is down for maintenance, but when the CN comes up again, try:

```
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 pid=@/tmp/testid.xml \  
"https://cn-dev.dataone.org/cn/v1/reserve"
```

where the /tmp/testid.xml file contains the XML for an identifier that you want to reserve. Worked for me.

#4 - 2012-02-15 04:43 - Roger Dahl

Matt, the CURL example you provided works, but it passes the PID as an XML type in a MMP file part, while it should be passed as UTF-8 in a field. When I do that, the server returns 500. Though it's just a small issue that the CN hasn't been updated to match the spec, more important is that the server crashed instead of returning the expected InvalidRequest with a description of what was found to be amiss.

Calling this method without SSL also causes a crash, regardless of how the PID is passed. I would have expected a NotAuthorized.

#5 - 2012-02-15 05:04 - Matthew Jones

Yeah, we clarified that it should be a param part this afternoon on IRC -- I think Ben may have already fixed that in the HEAD, but the fix is not deployed. The fact that it crashes without an SSL connection is a problem and needs to be fixed I think.

#6 - 2012-02-15 17:25 - Ben Leinfelder

- Assignee set to Ben Leinfelder

code should match the documentation at this point -- still looking into it.

#7 - 2012-02-22 04:48 - Roger Dahl

- Status changed from New to Closed

Caused by a bug in d1_common.mime_multipart.py (incorrect rendering of field sections).