

Infrastructure - Bug #7117

Getting a NotAuthorized on read with an object's rights-holder certificate.

2015-05-15 20:50 - Andrei Buium

Status:	Closed	Start date:	2015-05-15
Priority:	Normal	Due date:	
Assignee:	Jing Tao	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	CCI-2.0.0	Story Points:	
Milestone:	None		
Product Version:	*		

Description

While running CNAuthorizationV1IT from d1_integration, many of the test fail with a NotAuthorized exception (testSetAccessPolicy() for example).

The call in this case is against:

<https://cn-dev-ucsb-1.test.dataone.org/cn/v1/meta/TierTesting:cn-dev-ucsb-1:setAccess.14>

The error was:

NotAuthorized: 1400: READ not allowed on TierTesting:cn-dev-ucsb-1:setAccess.14

This seems to happen after metacat's D1NodeService.isAuthorized() returns false, failing to match up the certificate's subject with those allowed access to the object.

using the testRightsHolder certificate with subject:

DC=org,DC=dataone,CN=testRightsHolder

Note: the object's rights holder subject is saved slightly differently:

CN=testRightsHolder,DC=dataone,DC=org

Also note: The certificate's issuer is:

DC=org,DC=dataone,CN=DataONE Test Intermediate CA

Older certificates had:

DC=org,DC=dataone,CN=DataONE Test CA

History

#1 - 2015-05-18 16:28 - Jing Tao

- Target version set to CCI-2.0.0

#2 - 2015-05-20 01:42 - Jing Tao

For the old certificate which was working, the subject info is:

```
<?xml version="1.0" encoding="UTF-8"?> CN=testRightsHolder,DC=dataone,DC=org testRightsHolder_givenName  
testRightsHolder_familyName /d1:subjectInfo
```

For the new certificate which doesn't work, the subject info is:

```
<?xml version=1.0 encoding=UTF-8?>CN=testRightsHolder,DC=dataone,DC=orgtestRightsHolder_givenName  
testRightsHolder_familyName /d1:subjectInfo
```

You see, the version and encoding attributes miss ' or '.

#3 - 2015-05-20 01:46 - Jing Tao

I use the command to print out the new certificate:

```
openssl x509 -in testRightsHolder-1.crt -noout -text
```

```
....  
1.3.6.1.4.1.34998.2.1:  
...!<?xml version=1.0 encoding=UTF-8?>CN=testRightsHolder,DC=dataone,DC=orgtestRightsHolder_givenName  
testRightsHolder\_familyName  
/d1:subjectInfo
```

It doesn't have quotes on version and encoding. Is this an error in generating the certificate?

#4 - 2015-05-20 18:52 - Jing Tao

- % Done changed from 0 to 30

- Status changed from New to In Progress

#5 - 2015-05-20 19:43 - Jing Tao

- Status changed from In Progress to Closed

- % Done changed from 30 to 100

Marco regenerated the certificates and the test worked.