

Infrastructure - Bug #7117

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

2015-05-15 20:50 - Andrei Buium

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

**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\_givenNametestRightsHolder\_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\_givenNametestRightsHolder\_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.