

Metacat - Bug #5551

Set public access button on the FGDC document display page doesn't work (on sanparks skin).

11/23/2011 11:09 AM - Jing Tao

Status:	Resolved	Start date:	11/23/2011
Priority:	Normal	Due date:	
Assignee:	Jing Tao	% Done:	0%
Category:	metacat	Estimated time:	0.00 hour
Target version:	2.0.0	Spent time:	0.00 hour
Bugzilla-Id:	5551		
Description			
When I tried to grant a public readable access to a nonpublic readable document, i got an error: User public does not have permission to read the document with the docid kepler_kepler.19.1			
When i tried to revoke a public readable access from a public readable document, i got a message "null" on the top of the page.			
Both documents still keep the original access rules after click the buttons.			

History

#1 - 11/23/2011 01:59 PM - Jing Tao

The kepler_kepler_21 is a FGDC document with the public readable access rule. Here is the record on xml_access:
kepler_kepler.21 | kepler_kepler.21.1 | public | 4 | allow | denyFirst |

After click the "Set Access" button with unchecked "public read" (revoking the public readable access rule), the parameters sent to the server are:

```
knb 20111123-13:56:21: [INFO]: Set access ----- docid kepler_kepler.21.1 [edu.ucsb.nceas.metacat.MetacatHandler]
knb 20111123-13:56:21: [INFO]: Set access ----- principal public [edu.ucsb.nceas.metacat.MetacatHandler]
knb 20111123-13:56:21: [INFO]: Set access ----- permission read [edu.ucsb.nceas.metacat.MetacatHandler]
knb 20111123-13:56:21: [INFO]: Set access ----- permtype deny [edu.ucsb.nceas.metacat.MetacatHandler]
knb 20111123-13:56:21: [INFO]: Set access ----- permorder allowFirst [edu.ucsb.nceas.metacat.MetacatHandler]
```

So, it will try to change the permOrder from denyFirst to allowFirst. But metacat doesn't allow to that:

```
[ERROR]: MetacatHandler.handleSetAccessAction - Error inserting permission: XMLAccessAccess.addXMLAccess - cannot add permission record for id: kepler_kepler.21with permOrder: allowFirst due to permOrder conflict [edu.ucsb.nceas.metacat.MetacatHandler]
```

So the change failed.

#2 - 11/23/2011 02:23 PM - Jing Tao

To a none-public readable document, if we click the set access button with the checked public read check box, the document will be granted a public readable access rule successfully. The rule has denyFirst perm order.

To a none-public readable document, if we click the set access button with the unchecked public read check box (this means revoking a public access from a document without public access), a user will get "User public does not have permission to read the document" error.

#3 - 11/23/2011 02:36 PM - Jing Tao

Since "setaccess" action can add access rules, this will cause problem.

Since the documents' allow rules for public reading always has denyFirst order type, there is no way to deny the read allow rule since deny rule will be applied first. We can't change the order type, we have to choose "denyFirst" or "allowFirst" at begin.

If we choose "allowFirst", then we can revoke the rule allowing public reading. However, we can't grant public reading allow rule again!

If we have delete access action, we can avoid this scenario. I will input a bug for that.

#4 - 11/23/2011 02:48 PM - Jing Tao

Also i noticed after set the access, the delete, update and set access button disappeared. Only download button can be seen. I think those buttons should be seen also.

#5 - 11/28/2011 02:36 PM - Jing Tao

For the issue on comment 4, I found the clientViewBean object wasn't set session id in ClientViewHelper.java. After set it on the method clientRequest, then it works.

#6 - 11/28/2011 04:53 PM - Jing Tao

Now we had temporary solution for set/revoke public readable access:

user can grant public access to a document, then he can revoke it. After the revoking, the user can't grant the public access again.

In order to fix the issue, we need to fix the bug 5553.

I am going to close the bug and add a note on bug 5553 to indicate to open this bug when bug 5553 is fixed.

#7 - 11/29/2011 09:46 AM - Jing Tao

reopen this bug since ben added a comment on bug 5553:

There is currently a method in Metacat's access API that allows you to set the entire access block for a given document instead of just adding them one by one. This method effectively deletes all access rules and replaces them with the one you specify in the call. I think you could use this method as long as you were careful to preserve the access rules that are for principals other than "public".

The method uses the same "action=setaccess", but you include a complete "accessBlock" parameter that is the XML representation of the access control rules (like they are returned in the action=getaccesscontrol method). For example:

<http://knb.ecoinformatics.org/knb/metacat?action=getaccesscontrol&docid=tao.1.1>

#8 - 12/01/2011 03:43 PM - Jing Tao

Use accessBlock parameter on setaccess action to replace the original access rules by the new access rules. The new access rules combine the preserved the original access rules which are not for user public and a allow or deny rule for user public.

#9 - 03/27/2013 02:30 PM - Redmine Admin

Original Bugzilla ID was 5551