

## Infrastructure - Task #828

Story # 956 (Closed): Fix problems with Metacat 0.5 implementation

### A newline is removed from Sci metadata on GET operation

2010-09-07 17:12 - Robert Waltz

<b>Status:</b>	Closed	<b>Start date:</b>	2010-10-06
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	Chad Berkley	<b>% Done:</b>	100%
<b>Category:</b>	Metacat	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Sprint-2010.41	<b>Story Points:</b>	
<b>Milestone:</b>	CCI-0.6		
<b>Product Version:</b>	*		
<b>Description</b>			
We found a one byte discrepancy in GET operations on created objects. We verified that the file created on the filesystem contains a newline as the last character. When we GET the file, the newline is chopped somehow by Metacat			
<b>Related issues:</b>			
Related to Infrastructure - Task #1278: Metacat creates data files with extra...		<b>Closed</b>	<b>2011-01-28</b>

### History

#### #1 - 2010-10-06 17:20 - Chad Berkley

- Tracker changed from Task to Bug
- Start date set to 2010-10-06

#### #2 - 2010-10-06 23:32 - Matthew Jones

- Milestone set to CCI-0.6
- Parent task set to #956
- Target version deleted (CCI-0.6)

#### #3 - 2010-10-07 12:24 - Dave Vieglais

- Tracker changed from Bug to Task

#### #4 - 2010-10-14 20:17 - Chad Berkley

- translation missing: en.field\_remaining\_hours set to 2.0
- Status changed from New to In Progress

#### #5 - 2010-10-14 22:00 - Chad Berkley

- translation missing: en.field\_remaining\_hours changed from 2.0 to 0.0
- Status changed from In Progress to Closed

This was a problem with the mime-multipart decoding on the metacat side. fixed now.

#### #6 - 2010-10-19 16:37 - Chad Berkley

After thinking I had fixed this, I ran into it again. There seems to be a problem with FileOutputStream not writing the last byte of a String (or of an OutputStream) to disk when that last byte is a white space char. The only way I could find to fix this was to append a second newline onto the end of the written text if I found that it ended with one in the first place. I tried many different ways of writing this to disk, including FileWriter, FileOutputStream and IOUtils.copy and they all trimmed the trailing newline. Not sure what's going on there. The fix is a hack, but it works for now. If anyone has any ideas as to what's going on, let me know. The fix is in DocumentImpl.writeToFileSystem().

#7 - 2010-10-19 16:37 - Chad Berkley

There is now a test for this in CrudServiceTest. testChecksum makes sure that the same file going into metacat also comes out of it.