

Infrastructure - Task #2312

Story # 2250 (Closed): Build release of d1\_libclient\_java

minor refactor of ObjectFormatCache for better stability

2012-02-09 18:45 - Rob Nahf

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Urgent	<b>Due date:</b>	
<b>Assignee:</b>	Rob Nahf	<b>% Done:</b>	100%
<b>Category:</b>	d1_libclient_java	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Sprint-2012.05-Block.1.3	<b>Story Points:</b>	
<b>Milestone:</b>	CCI-1.0.0		
<b>Product Version:</b>	*		
<b>Description</b>			
Current Issues: 1. providing 'mock' detail codes when exceptions generated from the client - red herring 2. public constructor for singleton (OFCImpl) 3. doesn't trap NPE when going from OFID to OFID.getValue() 4. addition of a public getFormat(String formatIDstr) reduces type safety - need to eat our own dog-food 5. recasting all BaseExceptions to NotFound exceptions 6. OFC extends OFCImpl, but completely hides all properties			

History

#1 - 2012-02-09 18:47 - Rob Nahf

- Category set to d1\_libclient\_java
- % Done changed from 0 to 50
- Priority changed from Normal to Urgent
- Status changed from New to In Progress

#2 - 2012-02-10 04:37 - Rob Nahf

- % Done changed from 50 to 80

Refactored ObjectFormatServiceImpl to expose the formatMap and list properties to subclasses. ObjectFormatCache now overwrites the map, instead of calling when needed. Since the default ObjectFormatList from the d1\_common\_java jar is likely to be stale (perhaps same identifiers, but different property values in the ObjectFormat), I changed the behavior to always refresh the cache if hasn't made successful call to cn.listFormats(). This also fixed the behavior of an unsuccessful call to cn.listFormats() causing the objectFormatCache to revert to the (stale, incomplete) default list.

Need to add a throttling mechanism to reduce the number of cache refreshing calls to cn.listFormats(). We've already encountered situations in Metacat migration where a long list of .getFormats() to unknown formatId's causes successive cache refreshes many times per minute.

Need to deprecate getFormat(formatID\_string), if not remove it altogether, but that might cause problems.

#3 - 2012-02-11 02:27 - Rob Nahf

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

#4 - 2012-02-11 02:28 - Rob Nahf

- Parent task changed from #2252 to #2250

**#5 - 2012-02-11 02:28 - Rob Nahf**

- % Done changed from 80 to 100