

Infrastructure - Story #655

Metacat notification system

2010-06-14 18:50 - Chad Berkley

Status:	Closed	Start date:	
Priority:	Low	Due date:	
Assignee:	Chad Berkley	% Done:	100%
Category:	Metacat	Estimated time:	0.00 hour
Target version:	CCI-0.4		
Story Points:			
Description			
As an administrator and developer, I want to see a message when metacat creates or changes and object in the object store.			

History

#1 - 2010-06-14 18:54 - Chad Berkley

From the notes:

Story: (5, Sprint 8, Chad) Metacat notification of downstream services that content has changed.

- metacat will generate log messages. (task-chad)Create a separate log file using Log4J ('RollingFileAppender' for [ResourceHandler](#)...add log statements with localIds of SM and metadata doc.) Create separate logs for replication and create().

- task: (Robert) implement a watcher for the log that will trigger the packager to generate packages for new content and store the state of operations against the log file (time, offset)

#2 - 2010-06-15 23:22 - Chad Berkley

- Status changed from New to In Progress

Added a new logger "DataOneLogger" to the [CrudService](#) and the [ReplicationHandler](#). Events on this log are of the form: [localId:] [guid:]. The localId and guid are included only on appropriate events. Replication events include only localId. An example is:

```
knb 20100615-16:16:24: [INFO]: getSystemMetadata localId: autogen.2010166161624233.1 guid:test.2010166161624120 [DataOneLogger]
```

or

```
knb 20100615-16:16:25: [INFO]: create localId:autogen.2010166161625471.1 guid:test.2010166161625469 [DataOneLogger]
```

Robert now just needs to connect to this logger on the CN to handle the messages.

#3 - 2010-08-02 20:32 - Chad Berkley

- Status changed from In Progress to Closed

Event and replication logs are now functional. The messages are of the format:

```
D1GUID::D1SCIMETADATA::D1SYSMETA::
```

where method is 'create', 'update', 'get', etc.

guid is the guid assigned to the object

scienceMetadataLocalId is the localId (metacat docId) of the metadata or data object stored in metacat

systemMetadataLocalId is the localId (metacat docid) of the system metadata object stored in metacat