

Infrastructure - Story #7635

thread-safety in libclient_java

2016-02-03 19:21 - Rob Nahf

Status:	Closed	Start date:	2016-02-03
Priority:	Normal	Due date:	
Assignee:	Rob Nahf	% Done:	100%
Category:	d1_libclient_java	Estimated time:	0.00 hour
Target version:	CCI-2.2.0		
Story Points:			
Description			
Synchronization problems revealed a synchronization issues in libclient_java that heavily impacted synchronization (see #7631)			
mostly we want to remove the synchronized keywords from two methods in RestClient to allow the static RestClient used by default by D1Client impls to process more than one request in parallel.			
We also need to adjust the singleton instantiation mechanism of the D1Client classes. (http://stackoverflow.com/questions/7048198/thread-safe-singletons-in-java)			
Subtasks:			
Task # 7636: make singletons thread-safe			Closed
Task # 7633: refactor libclient to remove synchronized from the 2 key methods			Closed
Task # 7638: deprecate the RestClient header methods			Closed

Associated revisions

Revision 17531 - 2016-02-10 21:37 - Rob Nahf

fixes #7546, refs #7635, #7536. Refactored ObjectFormatCache to be thread safe, and not dependent on the shipped ObjectFormatList file. Refactored getInstance methods of CertificateManager and ObjectFormatCache for thread safety. Removed unnecessary dependency on a live CN in d1client.properties.

Revision 17531 - 2016-02-10 21:37 - Rob Nahf

fixes #7546, refs #7635, #7536. Refactored ObjectFormatCache to be thread safe, and not dependent on the shipped ObjectFormatList file. Refactored getInstance methods of CertificateManager and ObjectFormatCache for thread safety. Removed unnecessary dependency on a live CN in d1client.properties.

History

#1 - 2016-02-09 18:05 - Rob Nahf

- Tracker changed from Feature to Story

#2 - 2016-02-10 21:43 - Rob Nahf

- Status changed from New to In Progress

- % Done changed from 0 to 30

#3 - 2016-03-25 02:29 - Dave Vieglais

- Target version changed from CCI-2.1.0 to CCI-2.2.0

#4 - 2016-04-01 17:21 - Rob Nahf

- Status changed from In Progress to Closed

- % Done changed from 30 to 100