

Infrastructure - Task #7633

Story # 7635 (Closed): thread-safety in libclient_java

refactor libclient to remove synchronized from the 2 key methods

2016-02-03 03:54 - Rob Nahf

Status: Closed	Start date: 2016-02-05
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:
Milestone: None	
Product Version: *	
Description will have to keep track of latestUrl by thread. The get and setLatestUrl methods can call Thread.currentThread.getId() as a key for the latestUrl map. The addHeader method might need to be either changed the same way, or javadoc'ed.	
Subtasks: Task # 7638: deprecate the RestClient header methods Closed	
Related issues: Related to Infrastructure - Bug #7631: synchronization not processing v1 Memb... Closed 2016-02-03	

Associated revisions

Revision 17504 - 2016-02-04 19:48 - Rob Nahf

refs: #7633. Removed synchronized keyword from doRequest methods. made latestUrl property thread-specific, and modified getters and setters to map the correct values. Unit test demonstrate proper behavior.

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History

#1 - 2016-02-03 19:22 - Rob Nahf

- Parent task changed from #7631 to #7635

#2 - 2016-02-03 19:22 - Rob Nahf

- Related to Bug #7631: synchronization not processing v1 Member Nodes added

#3 - 2016-02-04 19:45 - Rob Nahf

- Status changed from New to In Progress

- % Done changed from 0 to 30

refactored the get/setLatestUrl to track the state of this property by Thread. Added a parameterized getLatestUrl(Thread t) method to facilitate cross-thread querying. Removed synchronized from doRequestNoBody and doRequestMMPBody. Wrote multithreaded "unit" test to visually check that the correct returns are coming out of the method.

#4 - 2016-02-09 18:54 - Rob Nahf

- Status changed from In Progress to Testing

- % Done changed from 30 to 50

#5 - 2016-04-01 17:21 - Rob Nahf

- Status changed from *Testing* to *Closed*

- % Done changed from 50 to 100