

## 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

<b>Status:</b>	Closed	<b>Start date:</b>	2016-02-05
<b>Priority:</b>	Normal	<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>	CCI-2.2.0	<b>Story Points:</b>	
<b>Milestone:</b>	None		
<b>Product Version:</b>	*		
<b>Description</b>			
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.			
<b>Subtasks:</b>			
Task # 7638: deprecate the RestClient header methods			<b>Closed</b>
<b>Related issues:</b>			
Related to Infrastructure - Bug #7631: synchronization not processing v1 Memb...			<b>Closed</b> <b>2016-02-03</b>

### 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