

Kepler - Bug #4506

Exception is thrown during workflow execution

10/27/2009 01:46 PM - Michal Owsiak

Status:	Resolved	Start date:	10/27/2009
Priority:	Normal	Due date:	
Assignee:	Chad Berkley	% Done:	0%
Category:	core	Estimated time:	0.00 hour
Target version:	Unspecified	Spent time:	0.00 hour
Bugzilla-Id:	4506		

Description

Within PN like workflow it seems that one thread iterates through the hashmap while other one modifies the data of the hashmap. Maybe Hashtable should be used here?

Or external synchronization should be used?

```
java.util.ConcurrentModificationException
at java.util.HashMap$HashIterator.nextEntry(HashMap.java:810)
at java.util.HashMap$KeyIterator.next(HashMap.java:845)
at ptolemy.actor.process.ProcessDirector.stopFire(ProcessDirector.java:481)
at ptolemy.actor.CompositeActor.stopFire(CompositeActor.java:1375)
at ptolemy.actor.CompositeActor.requestChange(CompositeActor.java:1184)
at ptolemy.kernel.util.NamedObj.requestChange(NamedObj.java:1651)
at ptolemy.vergil.basic.RunnableGraphController.managerStateChanged(RunnableGraphController.java:181)
at ptolemy.actor.Manager._notifyListenersOfStateChange(Manager.java:1363)
at ptolemy.actor.Manager._setState(Manager.java:1378)
at ptolemy.actor.Manager.wrapup(Manager.java:1270)
at ptolemy.actor.Manager.execute(Manager.java:365)
at ptolemy.actor.Manager.run(Manager.java:1071)
at ptolemy.actor.Manager$3.run(Manager.java:1112)
```

History

#1 - 10/27/2009 02:20 PM - Christopher Brooks

Is there a test case?

#2 - 10/29/2009 03:12 PM - Michal Owsiak

If it comes to the use case - yes and no.

It fails during execution of the workflow that combines PN and DDF directors.

Unfortunately, the workflow will not help in this case because it requires an access to HPC/GRID resources - which means it is useless as long as you don't have an access to the machines that are used.

I have prepared the similar case - but very simple, but it doesn't fail. I will try to create the use case that doesn't require an access to the machines - so it can be used as test case.

#3 - 01/13/2010 02:33 PM - Chad Berkley

Seems like a workflow bug, not a kepler bug.

#4 - 03/27/2013 02:27 PM - Redmine Admin

Original Bugzilla ID was 4506