Kepler - Bug #5426

workflow lsid changes when running from command line

06/20/2011 11:18 AM - Daniel Crawl

Status:	Resolved		**Start date:**	06/20/2011
Priority:	Normal		**Due date:**	
Assignee:	Daniel Crawl		**% Done:**	0%
Category:	core		**Estimated time:**	0.00 hour
Target version:	2.4.0		**Spent time:**	0.00 hour
Bugzilla-Id:	5426			

Description

There are two problems that occur when running a workflow from the command line and specifying a non-default parameter value.

The first is that the revision is always incremented if the parameter value is the same:

./kepler.sh -runwf -nogui -x 4 ~/KeplerData/paramx.xml

WF LSID is urn:lsid:kepler-project.org/ns/:6018:25:2

./kepler.sh -runwf -nogui -x 4 ~/KeplerData/paramx.xml

WF LSID is urn:lsid:kepler-project.org/ns/:6018:25:3

The second is that if .kepler and KeplerData/modules/core/coreDB do not exist, a new LSID is used:

./kepler.sh -runwf -nogui -x 4 ~/KeplerData/paramx.xml

WF LSID is urn:lsid:kepler-project.org/ns/:6020:1:1

For desktop use, .kepler and KeplerData usually do not get deleted, but when executing on a cluster, these directories are not always available. This causes problems for provenance, e.g., the same workflow run on 10 different nodes will be identified as 10 different workflows instead of 10 runs of the same workflow.

History

#1 - 06/20/2011 11:20 AM - Daniel Crawl

Attaching example workflow.

#2 - 11/30/2011 12:53 PM - Derik Barseghian

Seems like an advanced user usecase, so retargeting post reporting-2.3.0. Please put it back if you feel otherwise.

#3 - 06/11/2012 01:30 PM - Daniel Crawl

fixed: kepler.sh -runwf -noilwc ... will not change the lsid.

#4 - 06/18/2012 02:43 PM - jianwu jianwu

I re-open this bug since we agreed that we need a versioning model for Kepler during Kepler 2.4 release conference call at June 15 2012.

[6/15/12 10:42:45 AM] Ilkay Altintas: We need to discuss what is a workflow change and come up with a new versioning model
[6/15/12 10:43:00 AM] Ilkay Altintas: (Related to Bug 5426)
[6/15/12 10:44:11 AM] Ilkay Altintas: Christopher mentioned a new (passoro?) system for high-energy physics that does versioning for actors
[6/15/12 10:45:07 AM] Christopher Brooks: triquetrum.org Feel free to request membership in the CHESS triq workgroup. The mailing list does not have much traffic.
[6/15/12 10:50:00 AM] Ilkay Altintas: We should check with Triq if there's anything that we could reuse.

#5 - 08/06/2012 11:22 AM - Ilkay Altintas

Added a command line option to stop it. Closed for 2.4 release. For 2.5, add a new bug with investigation of alternatives. We need to make sure this links to the new bug.

#6 - 08/17/2012 06:49 PM - Daniel Crawl

I created #5687 for 2.5.

#7 - 03/27/2013 02:30 PM - Redmine Admin

Original Bugzilla ID was 5426

Files

paramx.xml	23.6 KB	06/20/2011	Daniel Crawl