Kepler - Bug #4529

NPE while saving KAR crashes Kepler

11/03/2009 10:19 PM - Oliver Soong

Status: Resolved Start date: 11/03/2009

Priority: Normal Due date:

Assignee: Aaron Aaron % Done: 0%

Category: general Estimated time: 0.00 hour

Target version: wrp-modules-2.0.0 Spent time: 0.00 hour

Bugzilla-ld: 4529

Description

While exploring another bug, I encountered this NPE, and it entirely killed Kepler. This happened after saving a workflow into a local repository. I don't know specifically how to replicate it, though.

done writing KAR file to C:\Documents and Settings\visitor\Desktop\kepler\workflows\test1.kar java.lang.NullPointerException

at org.kepler.kar.handlers.ActorMetadataKAREntryHandler.open(ActorMetadataKAREntryHandler.java:217)

[...]

ERROR (org.kepler.kar.handlers.ActorMetadataKAREntryHandler:open:235) error opening the workflow: null at java.awt.EventDispatchThread.pumpEventsForFilter(EventDispatchThread.java:184)

History

#1 - 11/03/2009 10:30 PM - Oliver Soong

Incidentally, I can restart Kepler and open the saved KAR.

#2 - 11/03/2009 10:42 PM - Oliver Soona

I can reproduce this on 21316. I'm not sure which of these steps is absolutely necessary, but this is what I do:

- 1. clean-cache and run Kepler.
- 2. Create a trivial workflow. Opening an example workflow does not trigger the bug. This is what I use:
- a. SDF Director. Set iterations to 1
- b. Expression actor, set expression to 1
- c. Another Expression actor (Expression2), add an input port called in, set expression to in
- d. Hook Expression.output to Expression2.in
- 3. Save the workflow (I put it into kepler\workflows\test.xml)
- 4. Save Archive (KAR) (I put it into kepler\workflows\test.kar)

At that point, Kepler should abort with an NPE on the console. I have only tested this under Windows.

#3 - 11/04/2009 08:59 AM - ben leinfelder

aaron - can you take a look at this since the stack trace looks to be around ActorMetadataKAREntryHandler?

#4 - 11/18/2009 08:59 AM - ben leinfelder

The Configuration that was being retrieved ended up being null so the openModel() call failed with the NPE. I used a more direct method for retrieving a Configuration instance and that seems to work fine.

NB: I'm a little worried about how there are GUI classes being invoked inside the KAREntryHandler. Especially since we are trying to use the handlers in both gui and non-gui contexts.

I think we are mostly dodging the bullet with KeplerConfigurationApplication in that it extracts the MOML and opens/runs it using it's own gui-less way while other pieces of the KAR are cached by their respective handlers so that they are available during wrapup().

#5 - 03/27/2013 02:27 PM - Redmine Admin

Original Bugzilla ID was 4529

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