

Kepler - Bug #4659

Importing run gives a ClassCastException

01/11/2010 12:29 PM - Derik Barseghian

Status:	Resolved	Start date:	01/11/2010
Priority:	Normal	Due date:	
Assignee:	Derik Barseghian	% Done:	0%
Category:	workflow run manager	Estimated time:	0.00 hour
Target version:	wrp-modules-2.0.0	Spent time:	0.00 hour
Bugzilla-Id:	4659		
Description			
If you try to Open Archive a KAR containing a workflow run that needs to be added to provenance, you get a ClassCastException: java.lang.ClassCastException: ptolemy.kernel.util.StringAttribute at org.kepler.objectmanager.ObjectManager.assignIdTo(ObjectManager.java:516) at org.kepler.objectmanager.ObjectManager.assignIdTo(ObjectManager.java:490)			

History

#1 - 01/11/2010 01:44 PM - Christopher Brooks

The could be from my fix to bug [#4547](#)
http://bugzilla.ecoinformatics.org/show_bug.cgi?id=4547

The change is that DocAttribute.description was changed from a StringParameter to a StringAttribute.

There are several fixes:

- 1) I could back out these changes and someone could look at why the problem occurs in Kepler but not in Ptolemy.
- 2) There's no stack trace attached, but the code should probably be using the MoMLFilter capability:

```
// Create a parser to use.  
_parser = new MoMLParser();  
  
// We set the list of MoMLFilters to handle Backward Compatibility.  
MoMLParser.setMoMLFilters(BackwardCompatibility.allFilters());
```

- 3) Run through all the Kepler models and update StringParameter

BTW - Is there a test that illustrates this problem?

#2 - 01/11/2010 05:49 PM - Derik Barseghian

I don't think it's related, but I'll keep that in mind when I look into this.

To replicate:

- change-to and launch the wrp suite
- open and execute a workflow
- change to the Report Designer view, Export Archive the run from the Workflow Run Manager, save the kar into the default Workflows folder.
- delete the run from the Workflow Run Manager
- File=>Open Archive the kar you just saved

The mentioned ClassCastException then happens in ObjectManager, when trying to NamedObjIdReferralList

#3 - 01/13/2010 04:24 PM - Derik Barseghian

fixed in r22486.

problem was in WorkflowRun convertStringToWorkflowRun -- derivedFrom attribute was being created as a StringAttribute instead of NamedObjIdReferralList

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

Original Bugzilla ID was 4659