

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