

## Kepler - Bug #5240

### NameDuplicationException from SequencePlotter

11/16/2010 11:08 AM - Daniel Crawl

<b>Status:</b>	Resolved	<b>Start date:</b>	11/16/2010
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Christopher Brooks	<b>% Done:</b>	0%
<b>Category:</b>	actors	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.4.0	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	5240		

#### Description

Reproduce with attached workflow.

ptolemy.kernel.util.IllegalActionException: Error creating effigy and tableau  
in .plot-error.a plot

Because:

Attempt to insert object named "plot" into container named ".configuration.directory.effigy2", which already contains an object with that name.

at ptolemy.actor.lib.gui.Plotter.initialize(Plotter.java:167)  
at ptolemy.actor.lib.gui.SequencePlotter.initialize(SequencePlotter.java:130)  
at ptolemy.actor.process.ProcessThread.run(ProcessThread.java:135)

Caused by: ptolemy.kernel.util.NameDuplicationException: Attempt to insert object named "plot" into container named ".configuration.directory.effigy2", which already contains an object with that name.

at ptolemy.kernel.util.NamedList.append(NamedList.java:133)  
at ptolemy.kernel.CompositeEntity.\_addEntity(CompositeEntity.java:2080)  
at ptolemy.kernel.ComponentEntity.setContainer(ComponentEntity.java:518)  
at ptolemy.kernel.CompositeEntity.setContainer(CompositeEntity.java:1815)  
at ptolemy.actor.gui.Effigy.setContainer(Effigy.java:401)  
at ptolemy.kernel.ComponentEntity.<init>(ComponentEntity.java:106)  
at ptolemy.kernel.CompositeEntity.<init>(CompositeEntity.java:164)  
at ptolemy.actor.gui.Effigy.<init>(Effigy.java:133)  
at ptolemy.actor.gui.PlotEffigy.<init>(PlotEffigy.java:71)  
at ptolemy.actor.lib.gui.Plotter.initialize(Plotter.java:155)  
... 2 more

Caused by: ptolemy.kernel.util.NameDuplicationException: Attempt to insert object named "plot" into container named ".configuration.directory.effigy2", which already contains an object with that name.

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at ptolemy.kernel.CompositeEntity.<init>(CompositeEntity.java:164)  
at ptolemy.actor.gui.Effigy.<init>(Effigy.java:133)  
at ptolemy.actor.gui.PlotEffigy.<init>(PlotEffigy.java:71)  
at ptolemy.actor.lib.gui.Plotter.initialize(Plotter.java:155)  
at ptolemy.actor.lib.gui.SequencePlotter.initialize(SequencePlotter.java:130)  
at ptolemy.actor.process.ProcessThread.run(ProcessThread.java:135)

#### History

##### #2 - 11/30/2010 03:22 PM - David Welker

Re-assigning to 2.3 since this less critical.

##### #3 - 12/12/2010 11:26 AM - Christopher Brooks

The model consists of two Plots under PN. The error is reproducible under Ptolemy, outside of Kepler. I think it is a threading bug, where in ptolemy/actor/lib/gui/Plotter.java, we have:

```
PlotEffigy plotEffigy = new PlotEffigy(containerEffigy,  
containerEffigy.uniqueName("plot"));
```

The problem is that both plotters are trying to get a unique name for "plot" and are getting the same name back. We need some locking here.

**#4 - 06/15/2012 03:29 PM - Christopher Brooks**

I'm closing this because I can't reproduce it in the current tree. The problem is that a model with two plots was producing a stack trace. I tried reproducing this in ptll trees from around 2010-11, but could not reproduce the bug. However, I'm using a slow net connection for the tests on old trees, so the problem might not be triggered.

There have been various changes to the plotter since this bug including the splitting into interface and implementation. So, it could be that the bug is fixed.

However, it is troubling that I can't reproduce the bug in an old ptll tree.

**#5 - 03/27/2013 02:29 PM - Redmine Admin**

Original Bugzilla ID was 5240

**Files**

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plot-error.xml	66.6 KB	11/16/2010	Daniel Crawl
plotErrorOpensInPtolemy2.xml	60.1 KB	12/12/2010	Christopher Brooks