

## Kepler - Bug #5230

### saving workflow that has instances of user created class to a KAR gives errors

10/28/2010 11:45 AM - Derik Barseghian

<b>Status:</b>	Resolved	<b>Start date:</b>	10/28/2010
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Chad Berkley	<b>% Done:</b>	0%
<b>Category:</b>	general	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Unspecified	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	5230		
<b>Description</b>			
User reports the following:			
In the past year I have built many workflows as part of an on-going project... In several of these workflows I have converted a kar to a class, and then used instances of that class throughout the workflow. When I try to save this type of workflow to a kar I get errors indicating that the class cannot be found. (interestingly, there is no trouble with saving, opening, and closing these workflows as .xmls... as long as I don't convert them to kars).			
I'm attaching two versions of the same simple workflow: an xml and a kar, both of which display the result of an instance of an "expression class" (the expression actor converted to a class), as well as the error which ensues from attempting to open the kar. Note that we do not save our workflows to the KeplerData directory.			

## History

### #2 - 10/28/2010 01:56 PM - Derik Barseghian

User's trace is:

```
ptolemy.kernel.util.IllegalActionException: Cannot find class: Expression2
Because:
-- no protocol: Expression2.xml
-- XML file not found relative to classpath.
-- C:\Kepler\svn\Expression2.xml
C:\Kepler\svn\Expression2.xml (The system cannot find the file specified)
in http://ptolemy.eecs.berkeley.edu/xml/dtd/MoML\_1.dtd at line 123 and column 46
at ptolemy.moml.MoMLParser._createEntity(MoMLParser.java:3877)
at ptolemy.moml.MoMLParser.startElement(MoMLParser.java:2493)
at com.microstar.xml.XmlParser.parseElement(XmlParser.java:921)
at com.microstar.xml.XmlParser.parseContent(XmlParser.java:1104)
at com.microstar.xml.XmlParser.parseElement(XmlParser.java:924)
at com.microstar.xml.XmlParser.parseDocument(XmlParser.java:481)
at com.microstar.xml.XmlParser.doParse(XmlParser.java:159)
at com.microstar.xml.XmlParser.parse(XmlParser.java:132)
at ptolemy.moml.MoMLParser.parse(MoMLParser.java:1402)
at ptolemy.moml.MoMLParser.parse(MoMLParser.java:1374)
at ptolemy.moml.MoMLParser.parse(MoMLParser.java:1335)
at org.kepler.kar.handlers.ActorMetadataKAREntryHandler.open(ActorMetadataKAREntryHandler.java:252)
at org.kepler.kar.KARFile.open(KARFile.java:968)
at org.kepler.kar.KARFile.openKARContents(KARFile.java:736)
at org.kepler.gui.kar.ExportArchiveAction.actionPerformed(ExportArchiveAction.java:493)
at javax.swing.AbstractButton.fireActionPerformed(AbstractButton.java:1995)
at javax.swing.AbstractButton$Handler.actionPerformed(AbstractButton.java:2318)
at javax.swing.DefaultButtonModel.fireActionPerformed(DefaultButtonModel.java:387)
at javax.swing.DefaultButtonModel.setPressed(DefaultButtonModel.java:242)
at javax.swing.AbstractButton.doClick(AbstractButton.java:357)
at javax.swing.plaf.basic.BasicMenuItemUI.doClick(BasicMenuItemUI.java:1223)
at javax.swing.plaf.basic.BasicMenuItemUI$Handler.mouseReleased(BasicMenuItemUI.java:1264)
at java.awt.Component.processMouseEvent(Component.java:6267)
at javax.swing.JComponent.processMouseEvent(JComponent.java:3267)
at java.awt.Component.processEvent(Component.java:6032)
at java.awt.Container.processEvent(Container.java:2041)
at java.awt.Component.dispatchEventImpl(Component.java:4630)
at java.awt.Container.dispatchEventImpl(Container.java:2099)
at java.awt.Component.dispatchEvent(Component.java:4460)
at java.awt.LightweightDispatcher.retargetMouseEvent(Container.java:4577)
at java.awt.LightweightDispatcher.processMouseEvent(Container.java:4238)
at java.awt.LightweightDispatcher.dispatchEvent(Container.java:4168)
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at java.awt.Container.dispatchEventImpl(Container.java:2085)
at java.awt.Window.dispatchEventImpl(Window.java:2478)
at java.awt.Component.dispatchEvent(Component.java:4460)
at java.awt.EventQueue.dispatchEvent(EventQueue.java:599)
at java.awt.EventDispatchThread.pumpOneEventForFilters(EventDispatchThread.java:269)
at java.awt.EventDispatchThread.pumpEventsForFilter(EventDispatchThread.java:184)
at java.awt.EventDispatchThread.pumpEventsForHierarchy(EventDispatchThread.java:174)
at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:169)
at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:161)
at java.awt.EventDispatchThread.run(EventDispatchThread.java:122)
Caused by: com.microstar.xml.XmlException: -- no protocol: Expression2.xml
-- XML file not found relative to classpath.
-- C:\Kepler\svn\Expression2.xml
C:\Kepler\svn\Expression2.xml (The system cannot find the file specified)
in http://ptolemy.eecs.berkeley.edu/xml/dtd/MoML\_1.dtd at line 123 and column 46
at ptolemy.moml.MoMLParser.fileNameToURL(MoMLParser.java:1176)
at ptolemy.moml.MoMLParser._findOrParse(MoMLParser.java:4778)
at ptolemy.moml.MoMLParser._attemptToFindMoMLClass(MoMLParser.java:3649)
at ptolemy.moml.MoMLParser._createEntity(MoMLParser.java:3872)
... 41 more
Caused by: com.microstar.xml.XmlException: -- no protocol: Expression2.xml
-- XML file not found relative to classpath.
-- C:\Kepler\svn\Expression2.xml
C:\Kepler\svn\Expression2.xml (The system cannot find the file specified)
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at java.awt.EventDispatchThread.pumpEventsForHierarchy(EventDispatchThread.java:174)
at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:169)
at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:161)
at java.awt.EventDispatchThread.run(EventDispatchThread.java:122)
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#3 - 10/29/2010 10:23 AM - Daniel Crawl

Fixed.

Original Bugzilla ID was 5230

**Files**

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sample_with_instance_of_class.xml	25.8 KB	10/28/2010	Derik Barseghian
sample_with_instance_of_class.kar	5.64 KB	10/28/2010	Derik Barseghian