

Kepler - Bug #5598

parameters appear as white boxes instead of dots

05/07/2012 11:23 AM - Derik Barseghian

Status:	Resolved	Start date:	05/07/2012
Priority:	Normal	Due date:	
Assignee:	Daniel Crawl	% Done:	0%
Category:	workflow run manager	Estimated time:	0.00 hour
Target version:	2.4.0	Spent time:	0.00 hour
Bugzilla-Id:	5598		
Description			
Using the workflow run manager, one can download a remote workflow run kar, and then right click on the row and select Open to open the associated workflow. Under Windows 7, at least some of the time, if this workflow has parameters, they will appear as large white rectangles instead of dots. See attached screen shot.			

History

#1 - 08/24/2012 10:17 AM - Christopher Brooks

I could not get the workflow run manager to work for me under Windows.

I found <https://code.kepler-project.org/code/kepler/trunk/modules/workflow-run-manager/docs/workflow-run-manager.pdf>

Under Windows Server 2008R2, I used the module manager to select workflow-run-manager-2.3.

Kepler failed to restart, so I did ant change-to -Dsuite=workflow-run-manager
When I ran "ant run", the workflow run manager came up.

I logged in anonymously to the repository, selected TestSSHWithDisplay and got a dialog about unsatisfied module dependencies.

Clicking on Force Open did nothing.

I'm out of time on this one, the bug seems to be Kepler-specific.
We could push this off to post 2.4.

I believe the problem is that the `_icon` is an Attribute, where it should be a ValueIcon or some other class.

Below are details.

ptolemy/vergil/icon/EditorIcon.java says:

```
An icon is the visual representation of an entity or attribute.  
The visual representation is a Diva Figure. This class is an attribute  
that serves as a factory for such figures. This base class creates the  
figure by composing the figures of any contained attributes that have  
icons. If there are no such contained attributes, then it creates a  
default figure that is a white rectangle. This class also provides  
a facility for generating a Swing icon (i.e. an instance of  
javax.swing.Icon) from that figure (the createIcon() method).
```

2009-06-08 22:56 cxh

- [r54262]
/trunk/ptolemy/domains/wireless/demo/EvaderAndPursuer/EvaderAndPursuer.xml:
Fixed radioRange property, it was showing up as a white box

The diff is:

```
- <property name="radioRange" class="ptolemy.data.expr.Parameter" value="50.0">  
-   <property name="_icon" class="ptolemy.kernel.util.Attribute">  
-     <property name="_color" class="ptolemy.actor.gui.ColorAttribute" value="{0.0, 0.0, 1.0, 1.0}">  
-   </property>  
- </property>  
- <property name="_smallIconDescription" class="ptolemy.kernel.util.SingletonConfigurableAttribute">  
-   <configure>  
- </svg>
```

```

- <text x="20" style="font-size:14; font-family:SansSerif; fill:blue" y="20">-P-</text>
- </svg>
- </configure>
- </property>
- <property name="_editorFactory" class="ptolemy.kernel.util.Attribute">
- </property>
- <property name="_location" class="ptolemy.kernel.util.Location" value="495.0, 40.0">
- </property>
- </property>
<property name="annotation" class="ptolemy.kernel.util.Attribute">
<property name="_hideName" class="ptolemy.kernel.util.SingletonAttribute">
</property>
@ -76,8 +59,27 @
</property>
<property name="_vergilZoomFactor" class="ptolemy.data.expr.ExpertParameter" value="1.0">
</property>
- <property name="_vergilCenter" class="ptolemy.data.expr.ExpertParameter" value="{379.0, 274.5}">
+ <property name="_vergilCenter" class="ptolemy.data.expr.ExpertParameter" value="{397.5, 276.0}">
</property>
+ <property name="RadioRange" class="ptolemy.data.expr.Parameter" value="50.0">
+ <property name="_hideName" class="ptolemy.kernel.util.SingletonAttribute">
+ </property>
+ <property name="_icon" class="ptolemy.vergil.icon.Valuelcon">
+ <property name="_color" class="ptolemy.actor.gui.ColorAttribute" value="{0.0, 0.0, 1.0, 1.0}">
+ </property>
+ </property>
+ <property name="_smallIconDescription" class="ptolemy.kernel.util.SingletonConfigurableAttribute">
+ <configure>
+ <svg>
+ <text x="20" style="font-size:14; font-family:SansSerif; fill:blue" y="20">-P-</text>
+ </svg>
+ </configure>
+ </property>
+ <property name="_editorFactory" class="ptolemy.vergil.toolbox.VisibleParameterEditorFactory">
+ </property>
+ <property name="_location" class="ptolemy.kernel.util.Location" value="[530.0, 40.0]">
+ </property>
+ </property>

```

It looks like the primary changes are that in the newer version:

`_icon` is a `Valuelcon` not a simple `Attribute`

`_editorFactory` is a `VisibleParameterEditorFactory`, not a simple `Attribute`

2006-05-11 17:53 cxh

- [r42388]
/trunk/ptolemy/domains/ct/demo/Pendulum3D/Pendulum3D.xml:
Adjusted sizes, fixed white box problem with parameters

The diffs are like:

```

@ -25,7 +25,7 @
<property name="phi" class="ptolemy.data.expr.Parameter" value="PI/6">
<property name="_hideName" class="ptolemy.kernel.util.SingletonAttribute">
</property>
- <property name="_icon" class="ptolemy.kernel.util.Attribute">
+ <property name="_icon" class="ptolemy.vergil.icon.Valuelcon">
<property name="_color" class="ptolemy.actor.gui.ColorAttribute" value="{0.0, 0.0, 1.0, 1.0}">
</property>
</property>
@ -36,7 +36,7 @
</svg>
</configure>
</property>
- <property name="_editorFactory" class="ptolemy.kernel.util.Attribute">
+ <property name="_editorFactory" class="ptolemy.vergil.toolbox.VisibleParameterEditorFactory">
</property>
<property name="_location" class="ptolemy.kernel.util.Location" value="[200.0, 65.0]">
</property>
@ -44,7 +44,7 @
<property name="theta" class="ptolemy.data.expr.Parameter" value="PI/10">
<property name="_hideName" class="ptolemy.kernel.util.SingletonAttribute">
</property>
- <property name="_icon" class="ptolemy.kernel.util.Attribute">
+ <property name="_icon" class="ptolemy.vergil.icon.Valuelcon">

```

```

<property name="_color" class="ptolemy.actor.gui.ColorAttribute" value="{0.0, 0.0, 1.0, 1.0}">
</property>
</property>
@ -55,7 +55,7 @
</svg>
</configure>
</property>
- <property name="_editorFactory" class="ptolemy.kernel.util.Attribute">
+ <property name="_editorFactory" class="ptolemy.vergil.toolbox.VisibleParameterEditorFactory">
</property>
<property name="_location" class="ptolemy.kernel.util.Location" value="[200.0, 40.0]">
</property>
@ -63,7 +63,7 @
<property name="phiDot" class="ptolemy.data.expr.Parameter" value="1.0">
<property name="_hideName" class="ptolemy.kernel.util.SingletonAttribute">
</property>
- <property name="_icon" class="ptolemy.kernel.util.Attribute">
+ <property name="_icon" class="ptolemy.vergil.icon.Valuelcon">
<property name="_color" class="ptolemy.actor.gui.ColorAttribute" value="{0.0, 0.0, 1.0, 1.0}">
</property>
</property>

```

#3 - 08/24/2012 12:44 PM - Derik Barseghian

I was able to replicate the WRM fail to Force Open issue w/ this run kar. I opened bug#5697 for it.

(In reply to comment #1)

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I found

<https://code.kepler-project.org/code/kepler/trunk/modules/workflow-run-manager/docs/workflow-run-manager.pdf>

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value="50.0">
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- <property name="_color" class="ptolemy.actor.gui.ColorAttribute"

```

```

value="{0.0, 0.0, 1.0, 1.0}">
-   </property>
- </property>
- <property name="_smallIconDescription"
class="ptolemy.kernel.util.SingletonConfigurableAttribute">
-   <configure>
-   <svg>
-   <text x="20" style="font-size:14; font-family:SansSerif; fill:blue"
y="20">P</text>
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+ </property>
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value="{0.0, 0.0, 1.0, 1.0}">
+ </property>
+ </property>
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</property>
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<property name="_color" class="ptolemy.actor.gui.ColorAttribute"
value="{0.0, 0.0, 1.0, 1.0}">
</property>
</property>

```

#4 - 11/05/2012 05:21 PM - jianwu jianwu

Hi Sean,

Any updates on this bug and bug 5266?

#5 - 11/06/2012 09:36 AM - Sean Riddle

Conceptually, one possible fix is already available, as I have documented in the comments to bug 5266. It would involve processing each damaged model, though, to add the missing `_icon` attribute. An alternate approach would be to add a `MoMLFilter` to that effect.

Unfortunately, I'm very busy right now with preparations for my qualifying exam. It might be best to reassign these bugs.

(In reply to comment [#4](#))

Hi Sean,

Any updates on this bug and bug 5266?

#6 - 11/30/2012 04:10 PM - Daniel Crawl

I created a workflow with different types of attributes and uploaded the run to the repository using Kepler 2.3. I was able to import the run and open it using the trunk wrm.

The icon for MonitorReceiverContents had the title since the `_icon` class is `ValueIcon` in Kepler 2.3. We could write a MoML filter to convert this to `XMLIcon`, but it's probably not worth the effort since `MonitorReceiverContents` is rarely used.

All the other icons displayed correctly.

#7 - 03/27/2013 02:31 PM - Redmine Admin

Original Bugzilla ID was 5598

Files

white-rectangles-for-parameters.png	255 KB	05/07/2012	Derik Barseghian
ProblemDownloadingRemoteModel.png	32.8 KB	08/24/2012	Christopher Brooks