

Kepler - Bug #5501

Got an java.lang.NullPointerException when click any menu after downloading a kar file

10/03/2011 11:21 AM - Jing Tao

Status:	Resolved	Start date:	10/03/2011
Priority:	Normal	Due date:	
Assignee:	David Welker	% Done:	0%
Category:	core	Estimated time:	0.00 hour
Target version:	2.3.0	Spent time:	0.00 hour
Bugzilla-Id:	5501		

Description

After decompress the linux kepler-2.3 installer, I started kepler by running ./kepler.sh.

Then I searched the kepler library and found a kar file windChill. I downloaded the kar file and wanted to open it. However, when I clicked file menu and got the error:

```
[null] Exception in thread "AWT-EventQueue-0" java.lang.NullPointerException
[null]   at com.sun.java.swing.plaf.gtk.GTKIconFactory$MenuArrowIcon.paintIcon(GTKIconFactory.java:340)
[null]   at sun.swing.plaf.synth.SynthIcon.paintIcon(SynthIcon.java:104)
[null]   at com.jgoodies.looks.common.MinimumSizedIcon.paintIcon(MinimumSizedIcon.java:80)
[null]   at com.jgoodies.looks.common.MenuItemRenderer.paintMenuItem(MenuItemRenderer.java:419)
[null]   at com.jgoodies.looks.common.ExtBasicMenuUI.paintMenuItem(ExtBasicMenuUI.java:135)
[null]   at com.jgoodies.looks.plastic.PlasticMenuUI.paintMenuItem(PlasticMenuUI.java:80)
[null]   at javax.swing.plaf.basic.BasicMenuItemUI.paint(BasicMenuItemUI.java:471)
[null]   at javax.swing.plaf.basic.BasicMenuItemUI.update(BasicMenuItemUI.java:467)
[null]   at javax.swing.JComponent.paintComponent(JComponent.java:765)
[null]   at javax.swing.JComponent.paint(JComponent.java:1029)
[null]   at javax.swing.JComponent.paintChildren(JComponent.java:866)
[null]   at javax.swing.JComponent.paint(JComponent.java:1038)
[null]   at javax.swing.JComponent.paintChildren(JComponent.java:866)
[null]   at javax.swing.JComponent.paint(JComponent.java:1038)
[null]   at javax.swing.JComponent.paintChildren(JComponent.java:866)
[null]   at javax.swing.JComponent.paint(JComponent.java:1038)
[null]   at javax.swing.JLayeredPane.paint(JLayeredPane.java:581)
[null]   at javax.swing.JComponent.paintChildren(JComponent.java:866)
[null]   at javax.swing.JComponent.paint(JComponent.java:1038)
[null]   at javax.swing.JComponent.paintToOffscreen(JComponent.java:5138)
[null]   at javax.swing.BufferStrategyPaintManager.paint(BufferStrategyPaintManager.java:302)
[null]   at javax.swing.RepaintManager.paint(RepaintManager.java:1145)
[null]   at javax.swing.JComponent._paintImmediately(JComponent.java:5086)
[null]   at javax.swing.JComponent.paintImmediately(JComponent.java:4896)
[null]   at javax.swing.RepaintManager.paintDirtyRegions(RepaintManager.java:740)
[null]   at javax.swing.RepaintManager.paintDirtyRegions(RepaintManager.java:696)
[null]   at javax.swing.RepaintManager.prePaintDirtyRegions(RepaintManager.java:676)
[null]   at javax.swing.RepaintManager.access$700(RepaintManager.java:57)
[null]   at javax.swing.RepaintManager$ProcessingRunnable.run(RepaintManager.java:1550)
[null]   at java.awt.event.InvocationEvent.dispatch(InvocationEvent.java:226)
[null]   at java.awt.EventQueue.dispatchEventImpl(EventQueue.java:647)
[null]   at java.awt.EventQueue.access$000(EventQueue.java:96)
[null]   at java.awt.EventQueue$1.run(EventQueue.java:608)
[null]   at java.awt.EventQueue$1.run(EventQueue.java:606)
[null]   at java.security.AccessController.doPrivileged(Native Method)
[null]   at java.security.AccessControlContext$1.doIntersectionPrivilege(AccessControlContext.java:105)
[null]   at java.awt.EventQueue.dispatchEvent(EventQueue.java:617)
[null]   at java.awt.EventDispatchThread.pumpOneEventForFilters(EventDispatchThread.java:275)
[null]   at java.awt.EventDispatchThread.pumpEventsForFilter(EventDispatchThread.java:200)
[null]   at java.awt.EventDispatchThread.pumpEventsForHierarchy(EventDispatchThread.java:190)
[null]   at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:185)
[null]   at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:177)
[null]   at java.awt.EventDispatchThread.run(EventDispatchThread.java:138)
```

I doubled checked the MyWorkflow folder, and found that windChill.kar is there.

Then i quited the kepler and started it again. This time i can open and run the windChill.kar successfully.

History

#2 - 11/08/2011 06:14 PM - Derik Barseghian

This is related to our using JGoodies Looks (LnF_looks-1.3.2.jar) for our linux LnF. On Ubuntu 10.04 if you use the native (gnome i guess?) LnF, I can't get the bug to occur.

uiSettings.xml:

```
<name>LINUX_LNF</name>
<value>com.jgoodies.looks.plastic.Plastic3DLookAndFeel</value>
```

In the LOOK & FEEL section in uiSettings.xml there's a comment: # NOTE - Typically won't need to (and shouldn't) change LnF for Windows or # Mac OS X - we should use the native LnF's on these systems # # Primarily intended for Linux, since Sun's standard Look & Feel for linux # doesn't really match the newer linuxes (linices??), and has big ol' honking # fonts that don't fit on our dainty buttons.

I guess something is going wrong when you do a remote search, because the returned results appear with a background color, which is what the component library looks like when using the default Ubuntu LnF (i.e. when I set blank the LINUX_LNF value in uiSettings.xml).

I tried changing to the newest JGoodies Looks (2.4.2 (jgoodies-common-1.2.1.jar and jgoodies-looks-2.4.2.jar)), but a similar, and additional errors occurred.

As mentioned, when I just use my standard LnF, I can't get the error to occur. I also can't find any buttons where text doesn't fit, which the comment gives as the reason for using a specific LnF. Kepler looks fine for the most part, but there are a few issues: the background color on items in the components library, there's a gap between the zoom-out and play buttons in the toolbar, and some of the drop-down menu backgrounds are the same color as other backgrounds, and thus blend in. See attached screenshot.

#3 - 11/10/2011 08:21 PM - Derik Barseghian

Another bug that seems to fairly consistently happen after your first remote Component search is that after clicking on it, the Cancel button loses its text.

#4 - 11/10/2011 08:24 PM - Derik Barseghian

Strangely my stacktrace has different line numbers than Jing's, and googling my numbers yield more results. Unfortunately I haven't found a quick fix.

```
[run] Exception in thread "AWT-EventQueue-0" java.lang.NullPointerException
[run]   at com.sun.java.swing.plaf.gtk.GTKIconFactory$MenuArrowIcon.paintIcon(GTKIconFactory.java:348)
[run]   at sun.swing.plaf.synth.SynthIcon.paintIcon(SynthIcon.java:87)
[run]   at com.jgoodies.looks.common.MinimumSizedIcon.paintIcon(MinimumSizedIcon.java:80)
[run]   at com.jgoodies.looks.common.MenuItemRenderer.paintMenuItem(MenuItemRenderer.java:419)
[run]   at com.jgoodies.looks.common.ExtBasicMenuUI.paintMenuItem(ExtBasicMenuUI.java:135)
[run]   at com.jgoodies.looks.plastic.PlasticMenuUI.paintMenuItem(PlasticMenuUI.java:80)
[run]   at javax.swing.plaf.basic.BasicMenuItemUI.paint(BasicMenuItemUI.java:587)
[run]   at javax.swing.plaf.basic.BasicMenuItemUI.update(BasicMenuItemUI.java:583)
[run]   at javax.swing.JComponent.paintComponent(JComponent.java:758)
[run]   at javax.swing.JComponent.paint(JComponent.java:1022)
[run]   at javax.swing.JComponent.paintToOffscreen(JComponent.java:5104)
[run]   at javax.swing.BufferStrategyPaintManager.paint(BufferStrategyPaintManager.java:285)
[run]   at javax.swing.RepaintManager.paint(RepaintManager.java:1128)
[run]   at javax.swing.JComponent._paintImmediately(JComponent.java:5052)
[run]   at javax.swing.JComponent.paintImmediately(JComponent.java:4862)
[run]   at javax.swing.RepaintManager.paintDirtyRegions(RepaintManager.java:723)
[run]   at javax.swing.RepaintManager.paintDirtyRegions(RepaintManager.java:679)
[run]   at javax.swing.RepaintManager.seqPaintDirtyRegions(RepaintManager.java:659)
[run]   at javax.swing.SystemEventQueueUtilities$ComponentWorkRequest.run(SystemEventQueueUtilities.java:128)
[run]   at java.awt.event.InvocationEvent.dispatch(InvocationEvent.java:209)
[run]   at java.awt.EventQueue.dispatchEvent(EventQueue.java:597)
[run]   at java.awt.EventDispatchThread.pumpOneEventForFilters(EventDispatchThread.java:273)
[run]   at java.awt.EventDispatchThread.pumpEventsForFilter(EventDispatchThread.java:183)
[run]   at java.awt.EventDispatchThread.pumpEventsForHierarchy(EventDispatchThread.java:173)
[run]   at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:168)
[run]   at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:160)
[run]   at java.awt.EventDispatchThread.run(EventDispatchThread.java:121)
```

#5 - 11/21/2011 03:13 PM - Derik Barseghian

No objections (<http://lists.nceas.ucsb.edu/kepler/pipermail/kepler-dev/2011-November/019957.html>) so I've committed the change at r28981 and r28982 and to use default LnF on linux, which avoids this bug.

The Cancel button issue in comment#3 also goes away.

Closing.

#6 - 03/27/2013 02:30 PM - Redmine Admin

Original Bugzilla ID was 5501

Files

ubuntu_default_inf.png	114 KB	11/09/2011	Derik Barseghian
------------------------	--------	------------	------------------