

Kepler - Bug #5397

"/.kepler.sh -runwf -nogui workflow.xml" doesn't work if the user is logged out on Mac

05/11/2011 11:35 AM - jianwu jianwu

Status:	Resolved	Start date:	05/11/2011
Priority:	Normal	Due date:	
Assignee:	David Welker	% Done:	0%
Category:	build system	Estimated time:	0.00 hour
Target version:	2.4.0	Spent time:	0.00 hour
Bugzilla-Id:	5397		

Description

I has the same error with or without "-nocache" option. The error is the same when I tried on two iMacs where I'm admin on one iMac and normal user on another iMac. It works only if I login to iMac and run the same command from anther machine through ssh. I didn't try kepler 2.2 installer, but I bet the error will be the same.

The reason is probably a kepler window will be popped up and disappear when I run the command on local machine. But if the user is logged out, this window can not be popped up.

The error is from org.kepler.osx.KeplerOSXExtension.addOSExtensions class, so it should be only mac specific.

To reproduce the error:

- 1) ssh to another mac machine
- 2) check out kepler 2.2 branch
- 3) compile and create kepler.sh file.
- 4) rm -rf ~/.kepler/
- 5) run a sample workflow which do not have display related actors.

Error info:

```
workflow:kepler-branch-2.2 jianwu$ ./kepler.sh runwf -nogui /Users/jianwu/Kepler/repository/workflows/04_HelloWorld_NoGUI.xml
DEBUG: suiteName=kepler-2.2
JVM Memory = 5m-512m
setting dock icon to
-Xdock:icon=/Users/jianwu/Kepler/repository/kepler/kepler-branch-2.2/common-2.2/resources/icons/kepler-dock-icon.png
Set environment variable: PATH=
/sw/bin:/sw/sbin:/opt/subversion/bin:/Applications/MATLAB64/MATLAB_R2010a/MATLAB_R2010a.app/bin:/Users/jianwu/Projects/hadoop/hadoop-0.21.0/bin:/System/Library/Frameworks/JavaVM.framework/Versions/1.6.0/Home/bin:/Users/jianwu/tools/netCDF/bin:/Users/jianwu/tools/netCDF/include:/usr/bin:/bin:/usr/sbin:/sbin:/usr/local/bin:/usr/X11/bin:/Users/jianwu/Projects/EC2-Client/ec2-api-tools-1.3-62308/bin:/usr/X11R6/bin:/Users/jianwu/Kepler/repository/kepler/kepler-branch-2.2/r-2.2/lib:/Users/jianwu/Kepler/repository/kepler/kepler-branch-2.2/common-2.2/lib/ptolomy/matlab:/Users/jianwu/Kepler/repository/kepler/kepler-branch-2.2/common-2.2/lib
Set environment variable: P_HOME = /Library/Frameworks/R.framework/Resources
[null] not loading property karHandler because it was added from an inactive module.
[null] not loading property karHandler because it was added from an inactive module.
[null] not loading property karHandler because it was added from an inactive module.
[null] Checking for patches...
[null] Found OS-Extension file:
/Users/jianwu/Kepler/repository/kepler/kepler-branch-2.2/apple-extensions-2.1/module-info/osextension.txt
[null] Wed May 11 11:25:35 workflow.sdsc.edu java:33084 <Error>: kCGErrorFailure: Set a breakpoint @ CGErrorBreakpoint() to catch errors as they are logged.
[null] Exception in thread "main" java.lang.InternalError: Can't connect to window server - not enough permissions.
[null] --- at java.lang.ClassLoader$NativeLibrary.load(Native Method)
[null] --- at java.lang.ClassLoader.loadLibrary0(ClassLoader.java:1823)
[null] --- at java.lang.ClassLoader.loadLibrary(ClassLoader.java:1720)
[null] --- at java.lang.Runtime.loadLibrary0(Runtime.java:823)
[null] --- at java.lang.System.loadLibrary(System.java:1045)
[null] --- at sun.security.action.LoadLibraryAction.run(LoadLibraryAction.java:50)
[null] --- at java.security.AccessController.doPrivileged(Native Method)
[null] --- at com.apple.eawt.Application.<clinit>(Application.java:38)
[null] --- at org.kepler.osx.KeplerOSXExtension.addOSExtensions(KeplerOSXExtension.java:46)
[null] --- at org.kepler.Kepler.main(Kepler.java:176)
Exception in thread "main" Java returned: 1
```

```

at org.kepler.build.modules.ModulesTask.execute(ModulesTask.java:106)
at org.kepler.build.runner.Kepler.main(Kepler.java:92)
Caused by: Java returned: 1
at org.kepler.build.modules.ModulesTask.execute(ModulesTask.java:106)
at org.kepler.build.runner.Kepler.run(Kepler.java:200)
at org.kepler.build.modules.ModulesTask.execute(ModulesTask.java:102)
... 1 more
Caused by: Java returned: 1
at org.apache.tools.ant.taskdefs.Java.execute(Java.java:108)
at org.kepler.build.Run.runSuite(Run.java:309)
at org.kepler.build.Run.run(Run.java:213)
at org.kepler.build.modules.ModulesTask.execute(ModulesTask.java:102)
... 3 more
-- Nested Exception ---
Java returned: 1
at org.kepler.build.modules.ModulesTask.execute(ModulesTask.java:106)
at org.kepler.build.runner.Kepler.run(Kepler.java:200)
at org.kepler.build.modules.ModulesTask.execute(ModulesTask.java:102)
at org.kepler.build.runner.Kepler.main(Kepler.java:92)
Caused by: Java returned: 1
at org.apache.tools.ant.taskdefs.Java.execute(Java.java:108)
at org.kepler.build.Run.runSuite(Run.java:309)
at org.kepler.build.Run.run(Run.java:213)
at org.kepler.build.modules.ModulesTask.execute(ModulesTask.java:102)
... 3 more
--- Nested Exception ---
Java returned: 1
at org.apache.tools.ant.taskdefs.Java.execute(Java.java:108)
at org.kepler.build.Run.runSuite(Run.java:309)
at org.kepler.build.Run.run(Run.java:213)
at org.kepler.build.modules.ModulesTask.execute(ModulesTask.java:102)
at org.kepler.build.runner.Kepler.run(Kepler.java:200)
at org.kepler.build.modules.ModulesTask.execute(ModulesTask.java:102)
at org.kepler.build.runner.Kepler.main(Kepler.java:92)

```

History

#1 - 10/04/2011 11:11 AM - Daniel Crawl

Fixed.

#2 - 11/20/2012 01:33 PM - jianwu jianwu

I still see the similar error message at Kepler trunk. Re-opening...

./kepler.sh -runwf -nogui -nocache outreach/workflows/demos/getting-started/04-HelloWorld.xml

```

[null] Found OS Extension file: /Users/jianwu/Kepler/repository/kepler/kepler-trunk-svn-1.7/apple-extensions/m
odule-info/osexension.txt
[null] Tue Nov 20 13:22:33 kepler.sdsc.edu java[76677] &lt;Error&gt;;: kCErrorFailure: Set a breakpoint @
CGErrorBreakpoint() to catch errors as they are logged.
[null] Error adding OS X application listener:
[null] java.lang.InternalError: Can't connect to window server - not enough permissions.
[null]   at java.lang.ClassLoader$NativeLibrary.load(Native Method)
[null]   at java.lang.ClassLoader.loadLibrary0(ClassLoader.java:1827)
[null]   at java.lang.ClassLoader.loadLibrary(ClassLoader.java:1724)
[null] loading OS extensions for OS Mac OS X with class org.kepler.osx.KeplerOSXExtension
[null]   at java.lang.Runtime.loadLibrary0(Runtime.java:823)
[null]   at java.lang.System.loadLibrary(System.java:1045)
[null]   at sun.security.action.LoadLibraryAction.run(LoadLibraryAction.java:50)
[null]   at java.security.AccessController.doPrivileged(Native Method)
[null]   at com.apple.eawt.Application.&lt;clinit&gt;(Application.java:41)
[null]   at org.kepler.osx.KeplerOSXExtension.addOSExtensions(KeplerOSXExtension.java:50)
[null]   at org.kepler.Kepler.main(Kepler.java:169)
[null] loading: ptolemy.moml.MoMLCommandLineApplication args: outreach/workflows/demos/getting-started/04
-HelloWorld.xml
[null] invoking: ptolemy.moml.MoMLCommandLineApplication.main
[null] 50 ms. Memory: 271936K Free: 245909K (90%)

```

#3 - 11/26/2012 12:07 PM - Daniel Crawl

KeplerOSXExtension prints the error message, but still executes the workflow. I updated the error message to be more informative.

#4 - 11/26/2012 02:57 PM - jianwu jianwu

I did a little big further changes at version 31136. Now no exception stack trace will be displayed.

I still see a message like: Mon Nov 26 14:38:45 kepler.sdsc.edu java³²⁶⁹ <Error>: kCGErrorFailure: Set a breakpoint @ CGErrorBreakpoint() to catch errors as they are logged. But I don't think it is critical.

this message can be avoided by setting -Djava.awt.headless=true, such as ./kepler.sh -Djava.awt.headless=true -runwf -nogui -nocache outreach/workflows/demos/getting-started/04-HelloWorld.xml

more information about kCGErrorFailure can be found at:

<http://stackoverflow.com/questions/11024555/elasticsearch-java-lang-internalerror-cant-connect-to-window-server>

#5 - 03/27/2013 02:30 PM - Redmine Admin

Original Bugzilla ID was 5397