

Kepler - Bug #5484

Module Manager GUI can fail to close and quit parent process

09/08/2011 12:36 PM - Derik Barseghian

Status:	Resolved	Start date:	09/08/2011
Priority:	Normal	Due date:	
Assignee:	David Welker	% Done:	0%
Category:	module manager	Estimated time:	0.00 hour
Target version:	2.3.0	Spent time:	0.00 hour
Bugzilla-Id:	5484		
Description			
Sometimes when using the standalone Module Manager application, when you click the Apply and Restart button, the Module Manager app will fail to exit. If valid, the spawned suite does launch.			

History

#1 - 09/22/2011 07:48 PM - Derik Barseghian

On Windows XP using a new test 2.3.0 installer, I've now seen this bug (failing to quit the current process when clicking the Apply and Restart button in the Module Manager GUI) occur from within Kepler. I.e. Kepler 2.3.0 failed to quit when switching to 2.2.0 using the MM GUI, leaving the user with an undisposed MM GUI, and two different versions of kepler up and running.

Changing title and promoting taget to 2.3.0.

#2 - 09/23/2011 12:37 PM - Derik Barseghian

I've done further testing trying to replicate one particular form of this bug on a p4 3ghz 1gb RAM WinXP box. When using the MM GUI from within Kepler 2.3.0, I see Kepler 2.3.0 and its MM GUI actually do eventually dispose, but it takes a very long time (~100s).

With 2.2.0 already downloaded, switching to it from within Kepler 2.3.0, it takes about 25seconds for 2.2.0 to completely start up. Then about 100 seconds later 2.3.0 and its associated MM GUI closes. I've run this test 3 or 4 times and get very similar times each test. While doing this I monitor the CPU w/ Windows Task Manager, and see that it is essentially idle during the 100second wait for 2.3.0 and its MM GUI to close.

Using the exact same test procedure on my mac, I'm unable to replicate -- 2.3.0 and its associated MM GUI close in a couple seconds, before the 2.2.0 splash comes up. Both XP and OS X are using java 1.6.0_26.

Side question: why are all the MM GUI classes that restart kepler calling System.exit(1)? These calls occur in areas where kepler is intentionally being quit without error, why not use exit(0)?

#3 - 09/23/2011 12:53 PM - Derik Barseghian

Unable to replicate this on the same XP box, when using MM GUI from within Kepler 2.2.0 to switch to Kepler 2.1.0 -- 2.2.0 and its MM GUI close very quickly.

#4 - 09/23/2011 07:47 PM - Derik Barseghian

Should be fixed at r28643. Will close once verified using a 2.3.0 from an installer on my Windows box.

The first process was hanging on HSQL.shutdownServers() server.shutdown() calls (normally the first, 9001, but sometimes the second, 9003). The issue seemed to be that the 2nd instance of kepler was mid-startup and interfering with the 1st closing properly. I.e. probably the first was trying to shut down the dbs when the 2nd was connecting or already connected.

It used to be the 2nd process was spawned before the 1st process notified its shutdown listeners (where db shutdowns occur). I changed this ordering to fix the problem.

#5 - 09/30/2011 10:55 PM - Derik Barseghian

Verified fixed on my XP box.

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

Original Bugzilla ID was 5484