

Kepler - Bug #3147

Get rid of Swing componets in Ecogrid data access classes

02/13/2008 06:29 PM - Jing Tao

<b>Status:</b>	Resolved	<b>Start date:</b>	02/13/2008
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jing Tao	<b>% Done:</b>	0%
<b>Category:</b>	data access	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.0.0	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	3147		
<b>Description</b>			
Here is an email from Matt:			
Jing,			
I noticed you're having difficulty with calling the ecogrid data access classes from within JUnit tests. This illustrates an underlying problem in the implementation -- that it depends on GUI classes -- that would also surface when running kepler in headless mode on the command line or behind a web interface. Rather than calling JOptionPane directly, you should probably be calling a mediator class like ptolomy.util.MessageHandler that can be configured to do different things depending on whether it has a GUI available or just stdout available. This design follows the basic Mediator pattern and would help in improving the overall design. I think anytime you are instantiating Swing components in an actor we are possibly limiting the execution environment of the actor.			
Can you factor out these alerts so that the use the mediator pattern?			
Matt			

History

#1 - 02/18/2008 03:58 PM - Christopher Brooks

Actually, calling MessageHandler can result in problems, especially anything that requires an answer, such as yesNoQuestion() and yesNoCancelQuestion().

It is usually better to throw an exception for problems than to ask the user if they want to proceed, or to properly set the default behaviour

One use of yesNoQuestion() that seems to come up fairly often is whether a file should be overwritten. I've found the best thing is to have a parameter "overwriteFiles" which defaults to true. Otherwise, the user is bombarded with dialogs.

#2 - 03/31/2008 12:38 PM - ben leinfelder

I believe this is fixed. There was spot in the EML actor that was using Swing directly, but I replaced that with MessageHandler. Jing did this with some other classes, too.

#3 - 04/01/2008 10:11 AM - Jing Tao

As ben said, this bug was fixed.

#4 - 03/27/2013 02:22 PM - Redmine Admin

Original Bugzilla ID was 3147