

## Kepler - Bug #2346

### Memory utilization on startup.

01/27/2006 11:25 AM - Kevin Ruland

<b>Status:</b>	Resolved	<b>Start date:</b>	01/27/2006
<b>Priority:</b>	Low	<b>Due date:</b>	
<b>Assignee:</b>	Dan Higgins	<b>% Done:</b>	0%
<b>Category:</b>	core	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.0.0alpha9	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	2346		
<b>Description</b> Current CVS head of kepler (1-27-06): At welcome window, after forced gc, memory usage is 57M. After one empty graph window, memory usage is 65M. After opening second empty graph window, memory usage is 67M.			

### History

#### #1 - 01/27/2006 04:05 PM - Christopher Brooks

Just some info, there was some traffic about this on 12/21/2005 in kepler-dev.

Basically, the problem is that Kepler opens up all the actors, which takes time and memory, but has the added benefit of making it easier to search the actors. In addition, this helps validate that all the actors are present in the system.

Ptolemy does lazy loading, so everything starts up quickly with low memory use. An additional advantage is that part of the configuration can be invalid, say because of a missing package. For testing purposes, we use the about:copyright mechanism to expand the configuration. The really big disadvantage of lazy loading is that Ptolemy does not have a search mechanism.

#### #2 - 03/01/2006 10:07 AM - Dan Higgins

The current state of memory useage appears to be much 'better' (i.e. less memory required) than was seen previously (see mem useage figures that are attached for current version) and tests on 512Meg systems indicated no lack of memory problems.

We still may want 'lazy loading' at some point, but not really needed immediately.

#### #3 - 03/27/2013 02:19 PM - Redmine Admin

Original Bugzilla ID was 2346