

Kepler - Bug #4579

Remove all references to specific module names from the code.

11/24/2009 02:50 PM - David Welker

| | | | |
|------------------------|--------------|------------------------|------------|
| Status: | Resolved | Start date: | 11/24/2009 |
| Priority: | Immediate | Due date: | |
| Assignee: | Chad Berkley | % Done: | 0% |
| Category: | core | Estimated time: | 0.00 hour |
| Target version: | 2.0.0 | Spent time: | 0.00 hour |
| Bugzilla-Id: | 4579 | | |

Description

In certain areas of the code, there are references to specific module names. This is extremely problematic in two scenarios:

(1) When branching or publishing, the name of a module changes. So, module X becomes X-1.0, or X-1.0 becomes X-1.0.0

(2) When refactoring resources formerly in X, may end up in X, Y and Z.

In order to get the Kepler-1.1 branch to work, I had to refactor module names out of 7 classes across 4 different modules. This would be totally unnecessary if the new configuration system had not adopted a design where specific module names are referenced. Furthermore, when I publish the Kepler-1.1 branch, I will have to refactor all of these references once again. For every patch, these references will have to be refactored. And so on. At the very least, we need to solve problem (1). However, problem (2) should be solved as well, as it would be little work.

Finally, there is a related problem. Apparently, the name of modules is somehow referenced in setting Ptolemy names. But Ptolemy names cannot have a period. However, module names will have a period when they have a version attached.

The solution is to never reference a module name from the code.

Here is the stack trace:

```
ptolemy.kernel.util.IllegalActionException: Cannot set a name with a period: Actors-1.0
```

```
[run] in .<Unnamed Object>
[run] at ptolemy.kernel.util.NamedObj.setName(NamedObj.java:1917)
[run] at ptolemy.kernel.ComponentEntity.setName(ComponentEntity.java:603)
[run] at ptolemy.kernel.util.NamedObj.<init>(NamedObj.java:246)
[run] at ptolemy.kernel.util.NamedObj.<init>(NamedObj.java:215)
[run] at ptolemy.kernel.InstantiableNamedObj.<init>(InstantiableNamedObj.java:119)
[run] at ptolemy.kernel.Entity.<init>(Entity.java:135)
[run] at ptolemy.kernel.ComponentEntity.<init>(ComponentEntity.java:105)
[run] at ptolemy.kernel.CompositeEntity.<init>(CompositeEntity.java:163)
[run] at ptolemy.moml.EntityLibrary.<init>(EntityLibrary.java:202)
[run] at org.kepler.moml.FolderEntityLibrary.<init>(FolderEntityLibrary.java:44)
[run] at org.kepler.objectmanager.library.LibraryManager.createAndAddTreeItem(LibraryManager.java:378)
[run] at org.kepler.objectmanager.library.LibraryGenerator.generate(LibraryGenerator.java:83)
[run] at org.kepler.objectmanager.library.LibraryManager.buildLibrary(LibraryManager.java:212)
[run] at org.kepler.objectmanager.library.LibraryManager.initialize(LibraryManager.java:271)
[run] at org.kepler.moml.KARLibraryBuilder.buildLibrary(KARLibraryBuilder.java:75)
[run] at ptolemy.actor.gui.UserActorLibrary.openLibrary(UserActorLibrary.java:202)
[run] at ptolemy.actor.gui.UserActorLibrary.openUserLibrary(UserActorLibrary.java:140)
[run] at ptolemy.vergil.VergilApplication._createDefaultConfiguration(VergilApplication.java:322)
[run] at ptolemy.vergil.VergilApplication._createEmptyConfiguration(VergilApplication.java:339)
[run] at ptolemy.actor.gui.ConfigurationApplication._parseArgs(ConfigurationApplication.java:1116)
[run] at ptolemy.vergil.VergilApplication._parseArgs(VergilApplication.java:469)
[run] at ptolemy.actor.gui.ConfigurationApplication.<init>(ConfigurationApplication.java:226)
[run] at ptolemy.actor.gui.MoMLApplication.<init>(MoMLApplication.java:81)
[run] at ptolemy.vergil.VergilApplication.<init>(VergilApplication.java:104)
[run] at ptolemy.vergil.VergilApplication$1.run(VergilApplication.java:211)
[run] at java.awt.event.InvocationEvent.dispatch(InvocationEvent.java:209)
[run] at java.awt.EventQueue.dispatchEvent(EventQueue.java:461)
[run] at java.awt.EventDispatchThread.pumpOneEventForHierarchy(EventDispatchThread.java:269)
[run] at java.awt.EventDispatchThread.pumpEventsForHierarchy(EventDispatchThread.java:190)
[run] at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:184)
```

```

[run] at java.awt.EventQueue.run(EventDispatchThread.java:176)
[run] at java.awt.EventQueue.run(EventDispatchThread.java:110)
[run] ptolemy.kernel.util.IllegalActionException: Cannot set a name with a period: Directors-1.0
[run] in .<Unnamed Object>
[run] at ptolemy.kernel.util.NamedObj.setName(NamedObj.java:1917)
[run] at ptolemy.kernel.ComponentEntity.setName(ComponentEntity.java:603)
[run] at ptolemy.kernel.util.NamedObj.<init>(NamedObj.java:246)
[run] at ptolemy.kernel.util.NamedObj.<init>(NamedObj.java:215)
[run] at ptolemy.kernel.InstantiableNamedObj.<init>(InstantiableNamedObj.java:119)
[run] at ptolemy.kernel.Entity.<init>(Entity.java:135)
[run] at ptolemy.kernel.ComponentEntity.<init>(ComponentEntity.java:105)
[run] at ptolemy.kernel.CompositeEntity.<init>(CompositeEntity.java:163)
[run] at ptolemy.moml.EntityLibrary.<init>(EntityLibrary.java:202)
[run] at org.kepler.moml.FolderEntityLibrary.<init>(FolderEntityLibrary.java:44)
[run] at org.kepler.objectmanager.library.LibraryManager.createAndAddTreeItem(LibraryManager.java:378)
[run] at org.kepler.objectmanager.library.LibraryGenerator.generate(LibraryGenerator.java:83)
[run] at org.kepler.objectmanager.library.LibraryManager.buildLibrary(LibraryManager.java:212)
[run] at org.kepler.objectmanager.library.LibraryManager.initialize(LibraryManager.java:271)
[run] at org.kepler.moml.KARLibraryBuilder.buildLibrary(KARLibraryBuilder.java:75)
[run] at ptolemy.actor.gui.UserActorLibrary.openLibrary(UserActorLibrary.java:202)
[run] at ptolemy.actor.gui.UserActorLibrary.openUserLibrary(UserActorLibrary.java:140)
[run] at ptolemy.vergil.VergilApplication._createDefaultConfiguration(VergilApplication.java:322)
[run] at ptolemy.vergil.VergilApplication._createEmptyConfiguration(VergilApplication.java:339)
[run] at ptolemy.actor.gui.ConfigurationApplication._parseArgs(ConfigurationApplication.java:1116)
[run] at ptolemy.vergil.VergilApplication._parseArgs(VergilApplication.java:469)
[run] at ptolemy.actor.gui.ConfigurationApplication.<init>(ConfigurationApplication.java:226)
[run] at ptolemy.actor.gui.MoMLApplication.<init>(MoMLApplication.java:81)
[run] at ptolemy.vergil.VergilApplication.<init>(VergilApplication.java:104)
[run] at ptolemy.vergil.VergilApplication$1.run(VergilApplication.java:211)
[run] at java.awt.event.InvocationEvent.dispatch(InvocationEvent.java:209)
[run] at java.awt.EventQueue.dispatchEvent(EventQueue.java:461)
[run] at java.awt.EventQueue.pumpOneEventForHierarchy(EventDispatchThread.java:269)
[run] at java.awt.EventQueue.pumpEventsForHierarchy(EventDispatchThread.java:190)
[run] at java.awt.EventQueue.pumpEvents(EventDispatchThread.java:184)
[run] at java.awt.EventQueue.pumpEvents(EventDispatchThread.java:176)
[run] at java.awt.EventQueue.run(EventDispatchThread.java:110)

```

History

#1 - 12/02/2009 04:39 PM - Chad Berkley

Modules can now be referenced by a stem name which is the base name before a version, for instance "common" refers to "common-1.0". The methods `ModuleTree.getModuleByStemName()` and `Module.getStemName()` can be used to access this name.

#2 - 03/27/2013 02:27 PM - Redmine Admin

Original Bugzilla ID was 4579