
Subject: Copy-paste for structures throwing error in the master branch

Posted by [helloWorld22](#) on Mon, 10 Jul 2023 11:38:56 GMT

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Hi,

I'm getting following error when running the code from master branch when I try to copy paste a structure.

But the issue is not happening when I install DW5.5.0 from the msi windows installer.

I took the latest code from master branch.

The error I'm getting:

```
java.lang.UnsatisfiedLinkError: no actelionclip in java.library.path
at java.lang.ClassLoader.loadLibrary(ClassLoader.java:1860)
at java.lang.Runtime.loadLibrary0(Runtime.java:871)
at java.lang.System.loadLibrary(System.java:1124)
at com.actelion.research.gui.clipboard.NativeClipboardAccessor.
(NativeClipboardAccessor.java:59)
at com.actelion.research.gui.clipboard.ClipboardHandler.pasteMo
leculeWindowsNative(ClipboardHandler.java:242)
at com.actelion.research.gui.clipboard.ClipboardHandler.pasteMo
lecules(ClipboardHandler.java:122)
at com.actelion.research.gui.clipboard.ClipboardHandler.pasteMo
lecule(ClipboardHandler.java:102)
at com.actelion.research.gui.clipboard.ClipboardHandler.pasteMo
lecule(ClipboardHandler.java:97)
at com.actelion.research.gui.editor.GenericEditorArea.pasteMole
cule(GenericEditorArea.java:835)
at com.actelion.research.gui.editor.GenericEditorArea.paste(Gen
ericEditorArea.java:811)
at com.actelion.research.gui.editor.GenericEditorArea.eventHapp
ened(GenericEditorArea.java:1234)
at com.actelion.research.gui.editor.GenericEditorArea.eventHapp
ened(GenericEditorArea.java:616)
at com.actelion.research.gui.generic.GenericEventHandler.fireEv
ent(GenericEventHandler.java:28)
at com.actelion.research.gui.swing.SwingKeyHandler.keyPressed(S
wingKeyHandler.java:23)
at java.awt.Component.processKeyEvent(Component.java:6497)
at javax.swing.JComponent.processKeyEvent(JComponent.java:2832)
at java.awt.Component.processEvent(Component.java:6316)
at java.awt.Container.processEvent(Container.java:2239)
at java.awt.Component.dispatchEventImpl(Component.java:4889)
at java.awt.Container.dispatchEventImpl(Container.java:2297)
at java.awt.Component.dispatchEvent(Component.java:4711)
at java.awt.KeyboardFocusManager.redispatchEvent(KeyboardFocusM
anager.java:1954)
at java.awt.DefaultKeyboardFocusManager.dispatchKeyEvent(Default
KeyboardFocusManager.java:834)
at java.awt.DefaultKeyboardFocusManager.preDispatchKeyEvent(Def
aultKeyboardFocusManager.java:1102)
at java.awt.DefaultKeyboardFocusManager.typeAheadAssertions(Def
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aultKeyboardFocusManager.java:973)
at java.awt.DefaultKeyboardFocusManager.dispatchEvent(DefaultKeyboardFocusManager.java:799)
at java.awt.Component.dispatchEventImpl(Component.java:4760)
at java.awt.Container.dispatchEventImpl(Container.java:2297)
at java.awt.Window.dispatchEventImpl(Window.java:2746)
at java.awt.Component.dispatchEvent(Component.java:4711)
at java.awt.EventQueue.dispatchEventImpl(EventQueue.java:760)
at java.awt.EventQueue.access$500(EventQueue.java:97)
at java.awt.EventQueue$3.run(EventQueue.java:709)
at java.awt.EventQueue$3.run(EventQueue.java:703)
at java.security.AccessController.doPrivileged(Native Method)
at java.security.ProtectionDomain$JavaSecurityAccessImpl.doInte
rsectionPrivilege(ProtectionDomain.java:74)
at java.security.ProtectionDomain$JavaSecurityAccessImpl.doInte
rsectionPrivilege(ProtectionDomain.java:84)
at java.awt.EventQueue$4.run(EventQueue.java:733)
at java.awt.EventQueue$4.run(EventQueue.java:731)
at java.security.AccessController.doPrivileged(Native Method)
at java.security.ProtectionDomain$JavaSecurityAccessImpl.doInte
rsectionPrivilege(ProtectionDomain.java:74)
at java.awt.EventQueue.dispatchEvent(EventQueue.java:730)
at java.awt.EventDispatchThread.pumpOneEventForFilters(EventDis patchThread.java:205)
at java.awt.EventDispatchThread.pumpEventsForFilter(EventDispat chThread.java:116)
at java.awt.EventDispatchThread.pumpEventsForFilter(EventDispat chThread.java:109)
at java.awt.WaitDispatchSupport$2.run(WaitDispatchSupport.java: 190)
at java.awt.WaitDispatchSupport$4.run(WaitDispatchSupport.java: 235)
at java.awt.WaitDispatchSupport$4.run(WaitDispatchSupport.java: 233)
at java.security.AccessController.doPrivileged(Native Method)
at java.awt.WaitDispatchSupport.enter(WaitDispatchSupport.java: 233)
at java.awt.Dialog.show(Dialog.java:1084)
at java.awt.Component.show(Component.java:1671)
at java.awt.Component.setVisible(Component.java:1623)
at java.awt.Window.setVisible(Window.java:1014)
at java.awt.Dialog.setVisible(Dialog.java:1005)
at com.actelion.research.gui.JEditableStructureView.mouseClicke
d(JEditableStructureView.java:100)
at java.awt.AWTEventMulticaster.mouseClicked(AWTEventMulticaste r.java:269)
at java.awt.AWTEventMulticaster.mouseClicked(AWTEventMulticaste r.java:269)
at java.awt.Component.processMouseEvent(Component.java:6542)
at javax.swing.JComponent.processMouseEvent(JComponent.java:332 4)
at java.awt.Component.processEvent(Component.java:6304)
at java.awt.Container.processEvent(Container.java:2239)
at java.awt.Component.dispatchEventImpl(Component.java:4889)
at java.awt.Container.dispatchEventImpl(Container.java:2297)
at java.awt.Component.dispatchEvent(Component.java:4711)
at java.awt.LightweightDispatcher.retargetMouseEvent(Container. java:4904)
at java.awt.LightweightDispatcher.processMouseEvent(Container.j ava:4544)

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at java.awt.LightweightDispatcher.dispatchEvent(Container.java: 4476)
at java.awt.Container.dispatchEventImpl(Container.java:2283)
at java.awt.Window.dispatchEventImpl(Window.java:2746)
at java.awt.Component.dispatchEvent(Component.java:4711)
at java.awt.EventQueue.dispatchEventImpl(EventQueue.java:760)
at java.awt.EventQueue.access$500(EventQueue.java:97)
at java.awt.EventQueue$3.run(EventQueue.java:709)
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rsectionPrivilege(ProtectionDomain.java:74)
at java.awt.EventQueue.dispatchEvent(EventQueue.java:730)
at java.awt.EventDispatchThread.pumpOneEventForFilters(EventDis patchThread.java:205)
at java.awt.EventDispatchThread.pumpEventsForFilter(EventDispat chThread.java:116)
at java.awt.EventDispatchThread.pumpEventsForHierarchy(EventDis patchThread.java:105)
at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread. java:101)
at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread. java:93)
at java.awt.EventDispatchThread.run(EventDispatchThread.java:82 )
java.lang.UnsatisfiedLinkError: com.actelion.research.gui.clipboard.NativeClipboardAccessor.
getClipboardData(Ljava/lang/String;)[B
at com.actelion.research.gui.clipboard.NativeClipboardAccessor. getClipboardData(Native
Method)
at com.actelion.research.gui.clipboard.ClipboardHandler.pasteMo
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at com.actelion.research.gui.swing.SwingKeyHandler.keyPressed(S wingKeyHandler.java:23)
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at java.awt.Window.setVisible(Window.java:1014)
at java.awt.Dialog.setVisible(Dialog.java:1005)
at com.actelion.research.gui.JEditableStructureView.mouseClick

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at java.awt.AWTEventMulticaster mouseClicked(AWTEventMulticaster.java:269)
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at java.awt.Container.dispatchEvent(Container.java:2239)
at java.awt.Component.dispatchEventImpl(Component.java:4889)
at java.awt.Container.dispatchEventImpl(Container.java:2297)
at java.awt.Component.dispatchEvent(Component.java:4711)
at java.awt.LightweightDispatcher.retargetMouseEvent(Container.java:4904)
at java.awt.LightweightDispatcher.processMouseEvent(Container.java:4544)
at java.awt.LightweightDispatcher.dispatchEvent(Container.java:4476)
at java.awt.Container.dispatchEventImpl(Container.java:2283)
at java.awt.Window.dispatchEventImpl(Window.java:2746)
at java.awt.Component.dispatchEvent(Component.java:4711)
at java.awt.EventQueue.dispatchEventImpl(EventQueue.java:760)
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at java.awt.EventDispatchThread.pumpEventsForHierarchy(EventDispatchThread.java:105)
at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:101)
at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:93)
at java.awt.EventDispatchThread.run(EventDispatchThread.java:82)
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Subject: Re: Copy-paste for structures throwing error in the master branch

Posted by [nbehrnd](#) on Tue, 11 Jul 2023 20:39:30 GMT

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Hi,

in case you want to use DW (contrasting to: modification of the underlying source code), then you should 1) fetch the basic installer suitable for the operational system in use from the download page,[1] 2) install DW on the computer, and 3) fetch the OS dependent archive of updated .jar (for

Windows,[2] which again is a different one for Linux/Mac[3]). Copy then the content of this archive (at present [current update by Thursday 2023-06-08] four .jar files) into the folder where DW was installed and relaunch the program. Frequently, there are about two to four weeks between two updates to introduce new functionality to DW. It equally is the recommended approach to bypass building the program's executable by your own, a task typically needed only if you want to contribute to the program's development by change of the underlying source code. (Or is the later task you aim for?)

With regards,

Norwid

[1] <https://openmolecules.org/datawarrior/download.html>

[2] <https://openmolecules.org/datawarrior/dw550win.zip>

[3] <https://openmolecules.org/datawarrior/dw550x.zip>

Subject: Re: Copy-paste for structures throwing error in the master branch
Posted by [helloWorld22](#) on Wed, 09 Aug 2023 09:12:53 GMT

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Hi,

Thanks for replying.

We have our requirement where we don't want to keep the plugins and macros to all the system. Instead of keep the plugin in a shared path so that as an admin/developer we can manage the plugins. Also macros can be shared across.

In the current codebase it is not possible.

After modifying, I can successfully build DW codebase if I copy actelionclip.dll in the class path. EXE can be created using launch4j and inno setup (as we are only using windows).

The problem is - DW depends on JchemLIB which depends on actelionclip.dll.

The code for the dll is not exposed and I can find the dll in programfiles in datawarrior.

Not sure if the dll is opensourced.

It not, can jchemlib use any other clipboard copy-paste jar?