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Subject: error when edit with WYSIWYG in Explanation view

Posted by [ksong](#) on Thu, 04 Jan 2024 16:25:38 GMT

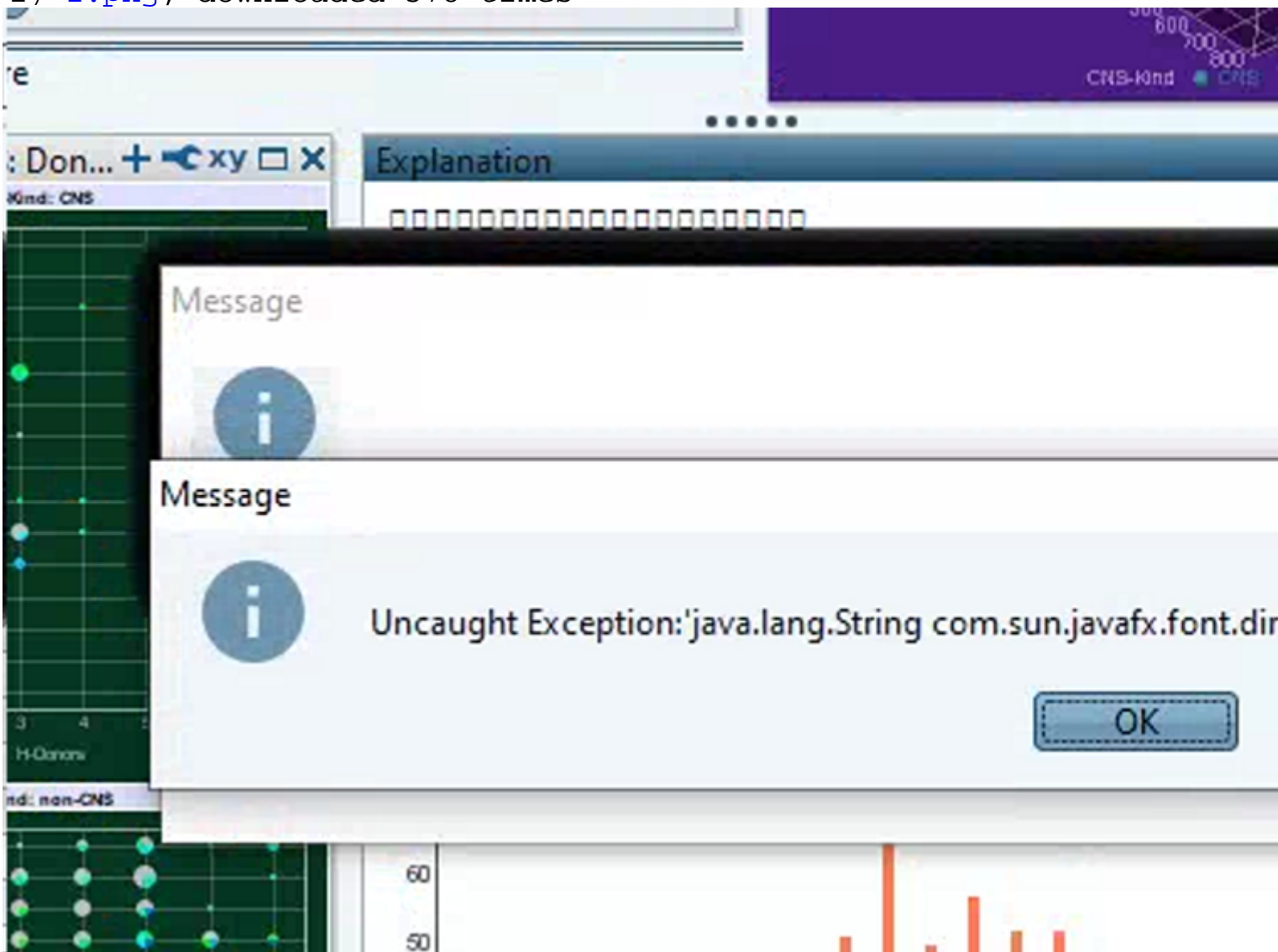
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It looks like each character in Explanation view of reference file CNX\_N0nCNS.dwar turns into a brick, same for Explanation view in FLT3 tutorial. trying edit with HTML is ok, but edit with WYSIWYG will return an alert as below:

### File Attachments

1) [2.png](#), downloaded 578 times



2) [1.png](#), downloaded 581 times



Subject: Re: error when edit with WYSIWYG in Explanation view

Posted by [ksong](#) on Fri, 05 Jan 2024 02:14:21 GMT

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I'm with Win10 Enterprise Version 22H2, OS build version is 19045.3693.

Language setting is in English(United States). Current system local is also set with English(United States), and UTF-8 encoding is checked.

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Subject: Re: error when edit with WYSIWYG in Explanation view

Posted by [thomas](#) on Fri, 05 Jan 2024 14:11:53 GMT

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I tried using various things in WYSIWYG editing on Win10 with local English(US), but still have no issues. I assume that issue is not being able to access a certain OS-font from the JavaFX environment. If you run DataWarrior from the command line, you should get a stack trace (multiline recursive message where things go wrong), which might allow me to find at least the location of the problem. With that I may improve the error handling and possibly create some workaround. But I cannot promise. Without being able to reproduce it is just guessing...

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Subject: Re: error when edit with WYSIWYG in Explanation view

Posted by [ksong](#) on Wed, 10 Jan 2024 05:57:40 GMT

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Thanks for the hints. I tried launch DataWarrior from command line as arrows labeled in attached screenshot, and click to edit with WYSIWYG, it looks like the echo from command line is blank. I wonder if there are any flag setting to turn on the logging/tracing in command line?

## File Attachments

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1) [p1.png](#), downloaded 540 times

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Subject: Re: error when edit with WYSIWYG in Explanation view

Posted by [ksong](#) on Thu, 11 Jan 2024 05:02:03 GMT

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Thanks a lot for the information. I've downloaded the debug version, below is the output from the command window(duplicated error message was removed. the main GUI was stuck on the error window, it was killed from task manager):

Microsoft Windows [Version 10.0.19045.3693]

(c) Microsoft Corporation. All rights reserved.

C:\Program Files\DataWarrior>DataWarrior\_d.exe

Idorsia JavaVM Cache BootStrap Launcher Version 3.0 Jan 11 2023

Copyright (c) 2001-2019, Idorsia Pharmaceuticals Ltd.

Option not recognized, is it an argument?(DataWarrior\_d.exe)

There are 195989 total MB of physical memory.

Option not recognized, is it an argument?(-Xmx3600m)

There are 195989 total MB of physical memory.

Unable to load CONFIG-PATH Resource (Resource not found)<1813>

Unable to load INIT-HEAP-PERC Resource (Resource not found) errno <1813>

Unable to load MAX-HEAP-PERCENT Resource (Resource not found) 1813

Unable to load SYNC-PATH Resource (Resource not found)1813

Exception in thread "JavaFX Application Thread" java.lang.UnsatisfiedLinkError: 'java.lang.String com.sun.javafx.font.directwrite.DWFactory.regReadFontLink(java.lang.String)'

at javafx.graphics/com.sun.javafx.font.directwrite.DWFactory.regReadFontLink(Native Method)

at javafx.graphics/com.sun.javafx.font.directwrite.DWFactory.getFallbacks(Unknown Source)

at javafx.graphics/com.sun.javafx.font.LogicalFont.getLinkedFonts(Unknown Source)

at javafx.graphics/com.sun.javafx.font.LogicalFont.getNumSlots(Unknown Source)

at javafx.graphics/com.sun.javafx.font.CompositeGlyphMapper.<init>(Unknown Source)

at javafx.graphics/com.sun.javafx.font.LogicalFont.getGlyphMapper(Unknown Source)

at javafx.web/com.sun.javafx.webkit.prism.WCFontImpl.getGlyphCodes(Unknown Source)

at javafx.web/com.sun.webkit.WebPage.twkInit(Native Method)

at javafx.web/com.sun.webkit.WebPage.<init>(Unknown Source)

at javafx.web/javafx.scene.web.WebEngine.<init>(Unknown Source)

at javafx.web/javafx.scene.web.WebEngine.<init>(Unknown Source)

at javafx.web/javafx.scene.web.WebView.<init>(Unknown Source)

at com.actelion.research.table.view.ExplanationView.lambda\$new\$

1(ExplanationView.java:66)

at javafx.graphics/com.sun.javafx.application.PlatformImpl.lambda\$runLater\$10(Unknown Source)

at java.base/java.security.AccessController.doPrivileged(Unknown Source)

at javafx.graphics/com.sun.javafx.application.PlatformImpl.lambda\$runLater\$11(Unknown Source)

at javafx.graphics/com.sun.glass.ui.InvokeLaterDispatcher\$Future.run(Unknown Source)

at javafx.graphics/com.sun.glass.ui.win.WinApplication.\_runLoop(Native Method)

at javafx.graphics/com.sun.glass.ui.win.WinApplication.lambda\$runLoop\$3(Unknown

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Source)
    at java.base/java.lang.Thread.run(Unknown Source)
Exception in thread "JavaFX Application Thread" java.lang.UnsatisfiedLinkError: 'java.lang.String
com.sun.javafx.font.directwrite.DWFactory.regReadFontLink(java.lang.String)'
    at javafx.graphics/com.sun.javafx.font.directwrite.DWFactory.regReadFontLink(Native
Method)
    at javafx.graphics/com.sun.javafx.font.directwrite.DWFactory.getFallbacks(Unknown
Source)
    at javafx.graphics/com.sun.javafx.font.LogicalFont.getLinkedFonts(Unknown Source)
    at javafx.graphics/com.sun.javafx.font.LogicalFont.getNumSlots(Unknown Source)
    at javafx.graphics/com.sun.javafx.font.CompositeGlyphMapper.<init>(Unknown Source)
    at javafx.graphics/com.sun.javafx.font.LogicalFont.getGlyphMapper(Unknown Source)
    at javafx.web/com.sun.javafx.webkit.prism.WCFontImpl.getGlyphCodes(Unknown Source)
    at javafx.web/com.sun.webkit.MainThread.twkScheduleDispatchFunctions(Native Method)
    at javafx.web/com.sun.webkit.MainThread.lambda$fwkScheduleDispatchFunctions$0(Unknown Source)
    at javafx.graphics/com.sun.javafx.application.PlatformImpl.lambda$runLater$10(Unknown
Source)
    at java.base/java.security.AccessController.doPrivileged(Unknown Source)
    at javafx.graphics/com.sun.javafx.application.PlatformImpl.lambda$runLater$11(Unknown
Source)
    at javafx.graphics/com.sun.glass.ui.InvokeLaterDispatcher$Future.run(Unknown Source)
    at javafx.graphics/com.sun.glass.ui.win.WinApplication._runLoop(Native Method)
    at javafx.graphics/com.sun.glass.ui.win.WinApplication.lambda$runLoop$3(Unknown
Source)
    at java.base/java.lang.Thread.run(Unknown Source)
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    at javafx.graphics/com.sun.javafx.font.directwrite.DWFactory.regReadFontLink(Native
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    at javafx.graphics/com.sun.javafx.font.directwrite.DWFactory.getFallbacks(Unknown
Source)
    at javafx.graphics/com.sun.javafx.font.LogicalFont.getLinkedFonts(Unknown Source)
    at javafx.graphics/com.sun.javafx.font.LogicalFont.getNumSlots(Unknown Source)
    at javafx.graphics/com.sun.javafx.font.CompositeGlyphMapper.<init>(Unknown Source)
    at javafx.graphics/com.sun.javafx.font.LogicalFont.getGlyphMapper(Unknown Source)
    at javafx.graphics/com.sun.javafx.text.GlyphLayout.breakRuns(Unknown Source)
    at javafx.graphics/com.sun.javafx.text.PrismTextLayout.buildRuns(Unknown Source)
    at javafx.graphics/com.sun.javafx.text.PrismTextLayout.layout(Unknown Source)
    at javafx.graphics/com.sun.javafx.text.PrismTextLayout.ensureLayout(Unknown Source)
    at javafx.graphics/com.sun.javafx.text.PrismTextLayout.getBounds(Unknown Source)
    at javafx.controls/com.sun.javafx.scene.control.skin.Utils.computeTextHeight(Unknown
Source)
    at javafx.controls/javafx.scene.control.skin.LabeledSkinBase.computePrefHeight(Unknown
Source)
    at javafx.controls/javafx.scene.control.skin.ListCellSkin.computePrefHeight(Unknown
Source)
    at javafx.controls/javafx.scene.control.Control.computePrefHeight(Unknown Source)

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at javafx.graphics/javafx.scene.Parent.prefHeight(Unknown Source)  
 at javafx.graphics/javafx.scene.layout.Region.prefHeight(Unknown Source)  
 at javafx.controls/javafx.scene.control.skin.VirtualFlow.resizeCell(Unknown Source)  
 at javafx.controls/javafx.scene.control.skin.VirtualFlow.getCell(Unknown Source)  
 at javafx.controls/javafx.scene.control.skin.VirtualFlow.getOrCreateCellSize(Unknown Source)  
 at javafx.controls/javafx.scene.control.skin.VirtualFlow.getOrCreateCellSize(Unknown Source)  
 at javafx.controls/javafx.scene.control.skin.VirtualFlow.recalculateAndImproveEstimatedSize(Unknown Source)  
 at javafx.controls/javafx.scene.control.skin.VirtualFlow\$5.invalidated(Unknown Source)  
 at javafx.base/javafx.beans.property.IntegerPropertyBase.markInvalid(Unknown Source)  
 at javafx.base/javafx.beans.property.IntegerPropertyBase.set(Unknown Source)  
 at javafx.controls/javafx.scene.control.skin.VirtualFlow.setCellCount(Unknown Source)  
 at javafx.controls/javafx.scene.control.skin.ListViewSkin.updateItemCount(Unknown Source)  
 at javafx.controls/javafx.scene.control.skin.ListViewSkin.<init>(Unknown Source)  
 at javafx.controls/javafx.scene.control.ListView.createDefaultSkin(Unknown Source)  
 at javafx.controls/javafx.scene.control.Control.doProcessCSS(Unknown Source)  
 at javafx.controls/javafx.scene.control.Control\$1.doProcessCSS(Unknown Source)  
 at javafx.controls/com.sun.javafx.scene.control.ControlHelper.processCSSImpl(Unknown Source)  
 at javafx.graphics/com.sun.javafx.scene.NodeHelper.processCSS(Unknown Source)  
 at javafx.graphics/javafx.scene.Parent.doProcessCSS(Unknown Source)  
 at javafx.graphics/javafx.scene.Parent\$1.doProcessCSS(Unknown Source)  
 at javafx.graphics/com.sun.javafx.scene.ParentHelper.processCSSImpl(Unknown Source)  
 at javafx.controls/com.sun.javafx.scene.control.ControlHelper.superProcessCSSImpl(Unknown Source)  
 at javafx.controls/com.sun.javafx.scene.control.ControlHelper.superProcessCSS(Unknown Source)  
 at javafx.controls/javafx.scene.control.Control.doProcessCSS(Unknown Source)  
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 at javafx.graphics/javafx.scene.Scene\$ScenePulseListener.pulse(Unknown Source)  
 at javafx.graphics/com.sun.javafx.tk.Toolkit.lambda\$runPulse\$2(Unknown Source)  
 at java.base/java.security.AccessController.doPrivileged(Unknown Source)  
 at javafx.graphics/com.sun.javafx.tk.Toolkit.runPulse(Unknown Source)  
 at javafx.graphics/com.sun.javafx.tk.Toolkit.firePulse(Unknown Source)  
 at javafx.graphics/com.sun.javafx.tk.quantum.QuantumToolkit.pulse(Unknown Source)  
 at javafx.graphics/com.sun.javafx.tk.quantum.QuantumToolkit.pulse(Unknown Source)

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    at javafx.graphics/com.sun.javafx.tk.quantum.QuantumToolkit.pulseFromQueue(Unknown
Source)
    at javafx.graphics/com.sun.javafx.tk.quantum.QuantumToolkit.lambda$runToolkit$11(Unknown Source)
    at javafx.graphics/com.sun.glass.ui.InvokeLaterDispatcher$Future.run(Unknown Source)
    at javafx.graphics/com.sun.glass.ui.win.WinApplication._runLoop(Native Method)
    at javafx.graphics/com.sun.glass.ui.win.WinApplication.lambda$runLoop$3(Unknown
Source)
    at java.base/java.lang.Thread.run(Unknown Source)
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    at javafx.graphics/com.sun.javafx.font.LogicalFont.getLinkedFonts(Unknown Source)
    at javafx.graphics/com.sun.javafx.font.LogicalFont.getNumSlots(Unknown Source)
    at javafx.graphics/com.sun.javafx.font.CompositeGlyphMapper.<init>(Unknown Source)
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    at javafx.graphics/com.sun.javafx.text.PrismTextLayout.shape(Unknown Source)
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 at javafx.graphics/com.sun.javafx.font.CompositeGlyphMapper.<init>(Unknown Source)

at javafx.graphics/com.sun.javafx.font.LogicalFont.getGlyphMapper(Unknown Source)  
 at javafx.graphics/com.sun.javafx.text.PrismTextLayout.shape(Unknown Source)  
 at javafx.graphics/com.sun.javafx.text.PrismTextLayout.layout(Unknown Source)  
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 at javafx.graphics/javafx.scene.Parent.prefHeight(Unknown Source)  
 at javafx.graphics/javafx.scene.layout.Region.prefHeight(Unknown Source)  
 at javafx.controls/javafx.scene.control.skin.ToolBarSkin.computePrefHeight(Unknown Source)  
 at javafx.controls/javafx.scene.control.skin.ToolBarSkin.computeMinHeight(Unknown Source)  
 at javafx.controls/javafx.scene.control.Control.computeMinHeight(Unknown Source)  
 at javafx.graphics/javafx.scene.Parent.minHeight(Unknown Source)  
 at javafx.graphics/javafx.scene.layout.Region.minHeight(Unknown Source)  
 at javafx.graphics/javafx.scene.layout.Region.computeChildMinAreaHeight(Unknown Source)  
 at javafx.graphics/javafx.scene.layout.GridPane.computeMinHeights(Unknown Source)  
 at javafx.graphics/javafx.scene.layout.GridPane.computeMinHeight(Unknown Source)  
 at javafx.graphics/javafx.scene.Parent.minHeight(Unknown Source)  
 at javafx.graphics/javafx.scene.layout.Region.minHeight(Unknown Source)  
 at javafx.graphics/javafx.scene.layout.Region.boundedNodeSizeWidthBias(Unknown Source)  
 at javafx.graphics/javafx.scene.layout.Region.layoutInArea(Unknown Source)  
 at javafx.controls/javafx.scene.control.SkinBase.layoutInArea(Unknown Source)  
 at javafx.controls/javafx.scene.control.SkinBase.layoutInArea(Unknown Source)  
 at javafx.controls/javafx.scene.control.SkinBase.layoutChildren(Unknown Source)  
 at javafx.web/javafx.scene.web.HTML editorSkin.layoutChildren(Unknown Source)  
 at javafx.controls/javafx.scene.control.Control.layoutChildren(Unknown Source)  
 at javafx.graphics/javafx.scene.Parent.layout(Unknown Source)  
 at javafx.graphics/javafx.scene.Scene.doLayoutPass(Unknown Source)  
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at javafx.graphics/com.sun.javafx.text.PrismTextLayout.ensureLayout(Unknown Source)  
at javafx.graphics/com.sun.javafx.text.PrismTextLayout.getBounds(Unknown Source)  
at javafx.graphics/javafx.scene.text.Text.getLogicalBounds(Unknown Source)  
at javafx.graphics/javafx.scene.text.Text.doComputeGeomBounds(Unknown Source)  
at javafx.graphics/javafx.scene.text.Text\$1.doComputeGeomBounds(Unknown Source)  
at javafx.graphics/com.sun.javafx.scene.shape.TextHelper.computeGeomBoundsImpl(Unknown Source)  
at javafx.graphics/com.sun.javafx.scene.NodeHelper.computeGeomBounds(Unknown Source)  
at javafx.graphics/javafx.scene.Node.updateGeomBounds(Unknown Source)  
at javafx.graphics/javafx.scene.Node.getGeomBounds(Unknown Source)  
at javafx.graphics/javafx.scene.Node.getLocalBounds(Unknown Source)  
at javafx.graphics/javafx.scene.Node.updateTxBounds(Unknown Source)  
at javafx.graphics/javafx.scene.Node.getTransformedBounds(Unknown Source)  
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at javafx.graphics/javafx.scene.Parent.updateBounds(Unknown Source)  
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at java.base/java.security.AccessController.doPrivileged(Unknown Source)  
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at javafx.graphics/com.sun.javafx.tk.Toolkit.firePulse(Unknown Source)  
at javafx.graphics/com.sun.javafx.tk.quantum.QuantumToolkit.pulse(Unknown Source)  
at javafx.graphics/com.sun.javafx.tk.quantum.QuantumToolkit.pulse(Unknown Source)  
at javafx.graphics/com.sun.javafx.tk.quantum.QuantumToolkit.pulseFromQueue(Unknown Source)



Subject: Re: error when edit with WYSIWYG in Explanation view

Posted by [thomas](#) on Sat, 20 Jan 2024 18:04:58 GMT

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I did some Googling and assume that the issue arises from the following:

DataWarrior uses Liberica JRE21 as Java runtime environment. With this newest Liberica version all dlls needed by JavaFX were moved to a different directory, from `jre\bin\javafx` to `jre\bin`. Wrongly, Liberica21 tries to access the libraries at the outdated location, where it doesn't find them anymore. Then, it uses some strategy to look at alternative places. It checks whether the dlls can be found at the path defined by the Java variable `java.library.path`, which is probably constructed from the OS system variable `JAVA_HOME`, which was set, if there is a system wide Java installation. Thus, if you have an older JRE installed on the system (test with `'java -version'`), then Liberica21 will try using JavaFX dlls from there and not its own ones, which are at an unexpected path. If there is no system wide JRE, then Liberica evidently manages to find its own dlls. If there is a system wide JRE21, then it probably works, because those dlls should be compatible.

You can check which dlls are used by starting DataWarrior with:

```
C:\Program Files\DataWarrior>jre\bin\java -Djavafx.verbose=true -jar datawarrior_all.jar
```

When you then access a JavaFX component (e.g. the Help Window, the explanation view, or the 3D-molecule viewer), then you see warnings like:

```
WARNING: java.lang.UnsatisfiedLinkError: Can't load library: C:\Program
Files\DataWarrior\jre\bin\javafx\javafx_font.dll
Loaded C:\Program Files\DataWarrior\jre\bin\javafx_font.dll from java.library.path
```

I assume that you can fix the issue by copying all files from "`C:\Program Files\DataWarrior\jre\bin\javafx\`" to "`C:\Program Files\DataWarrior\jre\bin\`". Please let me know, if this fixes the issue.

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Subject: Re: error when edit with WYSIWYG in Explanation view

Posted by [ksong](#) on Tue, 23 Jan 2024 09:40:59 GMT

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Thanks a lot for the message. Its exactly an dll loading issue.

Here is the verbose log when open DataWarrior with `java -jar` command:

```
C:\Program Files\DataWarrior>jre\bin\java -Djavafx.verbose=true -jar datawarrior_all.jar
WARNING: java.lang.UnsatisfiedLinkError: Can't load library: C:\Program
Files\DataWarrior\jre\bin\javafx\api-ms-win-core-console-l1-1-0.dll
Loaded C:\Program Files\DataWarrior\jre\bin\api-ms-win-core-console-l1-1-0.dll from
java.library.path
```

...

It looks like there is no `javafx` folder in `jre\bin\` on my desktop (I was installing v06 from a v05 update).

I created a new javafx folder, and copy all dlls in jre\bin to the new folder, WYSIWYG window is back normal now. Cheers :)

Thanks a lot for the help!

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Subject: Re: error when edit with WYSIWYG in Explanation view

Posted by [thomas](#) on Tue, 23 Jan 2024 19:39:54 GMT

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Thank you for trying and reporting back. I also did some research on my side. Evidently, the problem only exists on Windows. Mac and Linux work fine. To fix this problem on Windows, DataWarrior, when launched, will check and update its own 'java.library.path' VM variable such that this variable will start with the real library path 'C:\Program Files\DataWarrior\jre\bin;'. This way, all libraries loaded later (these are only JavaFX dlls) will be loaded from DataWarrior's internal JRE, no matter which other JREs are installed on the system. The upcoming version 6.1.0 will have it.

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