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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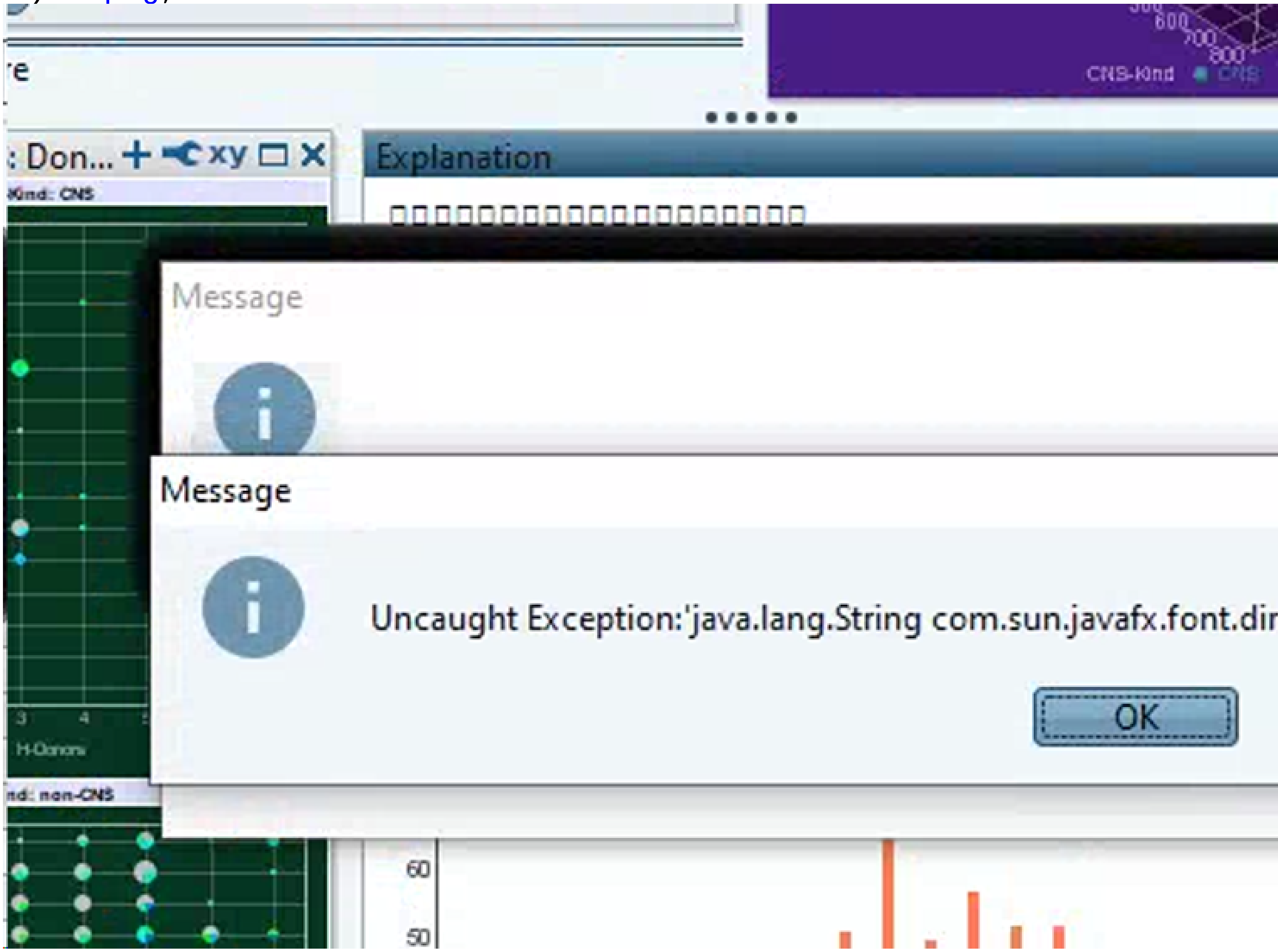
It looks like each character in Explanation view of reference file CNX_N0nCNS.dwar turns into a brick, same for Explanation view in FLT3 tutorial. trying edit with HTML is ok, but edit with WYSIWYG will return an alert as below:

File Attachments

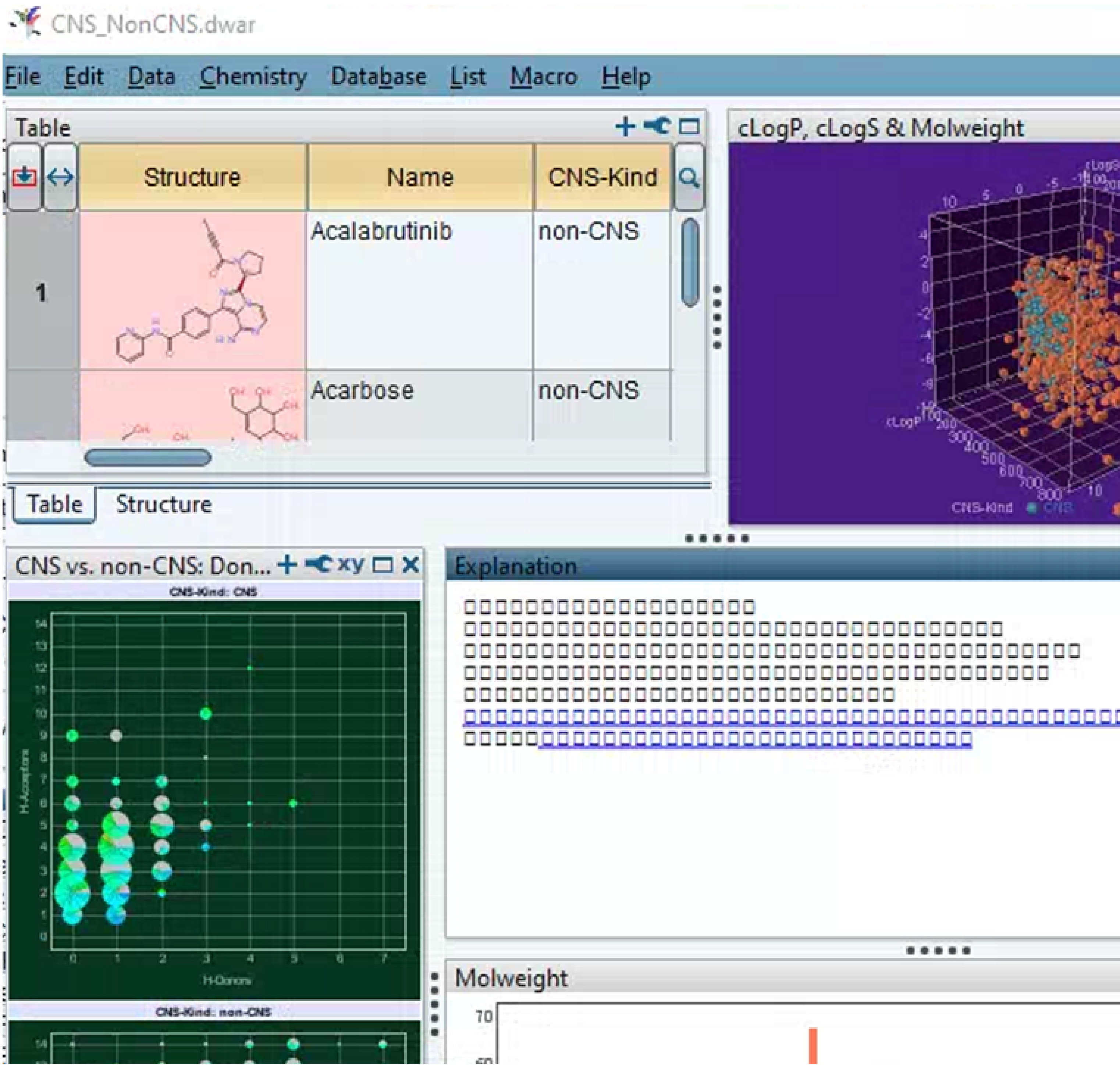
1) 2.png, downloaded 515 times



600
700
800
CNS-Kind
CNS
: Don...
xy
Kind: CNS
Explanation
□□□□□□□□□□□□□□□□□□□□□□
Message
Message
OK
3
4
H-Donors
nd: non-CNS
60
50

Uncaught Exception:'java.lang.String com.sun.javafx.font.dir

2) 1.png, downloaded 516 times


CNS_NonCNS.dwar
File
Edit
Data
Chemistry
Database
List
Macro
Help
Table
cLogP, cLogS & Molweight
cLogP
CNS-Kind
CNS
Table
Structure
CNS vs. non-CNS: Don...
xy
CNS-Kind: CNS
H-Acceptors
H-Donors
CNS-Kind: non-CNS
Explanation
Molweight
70

	Structure	Name	CNS-Kind
1		Acalabrutinib	non-CNS
		Acarbose	non-CNS

Subject: Re: error when edit with WYSIWYG in Explanation view
Posted by thomas on Fri, 05 Jan 2024 00:26:50 GMT
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I cannot reproduce that. Which OS do you use? Which language? Do you have a special character encoding?

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.

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...

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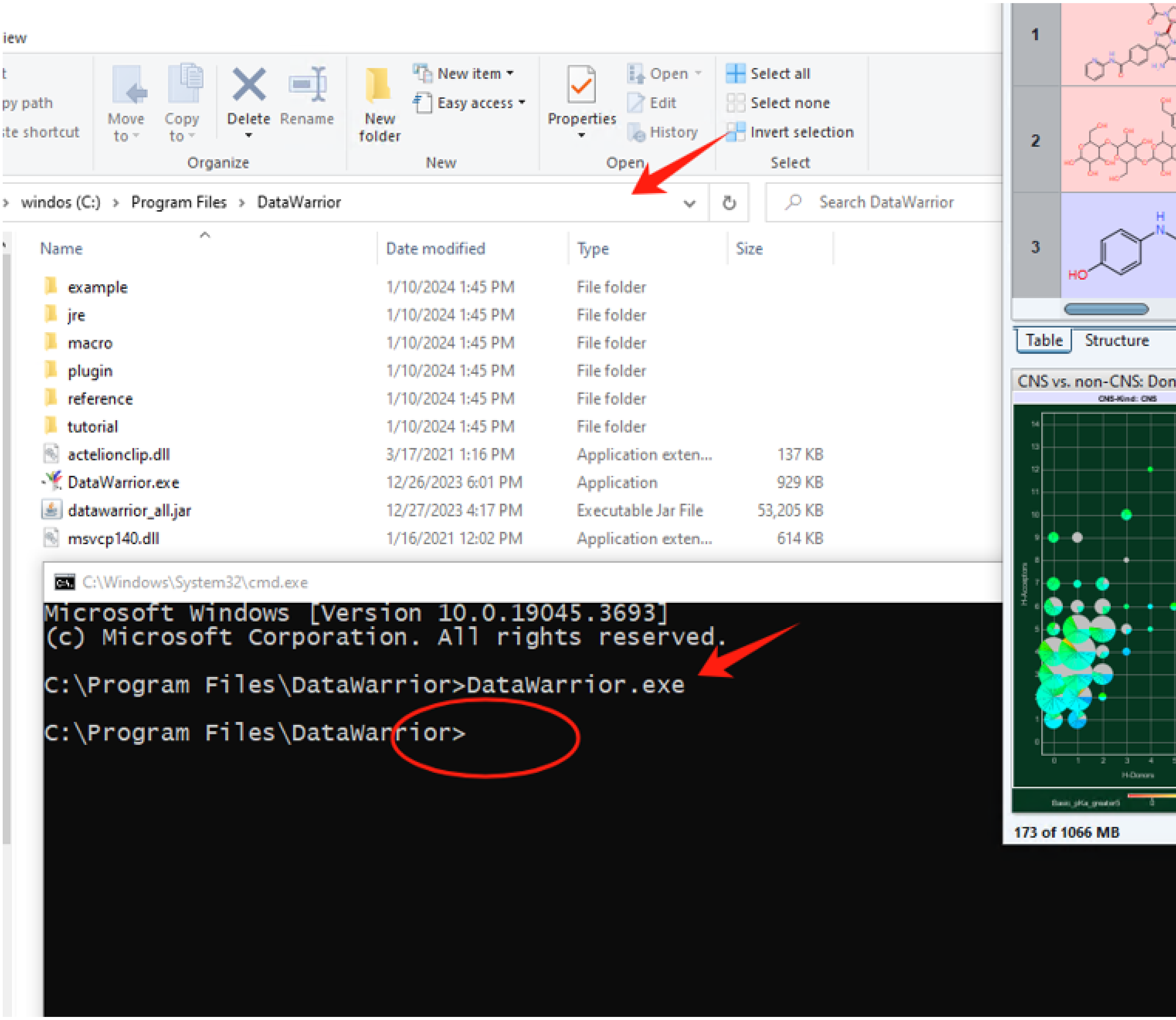
Thanks for the hints. I tried launch DataWarrior from command line as arrows labeled in attached screenshot, and click to edit with WYSIWYG, it looks like the echo from command line is blank. I wonder if there are any flag setting to turn on the logging/tracing in command line?

File Attachments
1) p1.png, downloaded 479 times


iew
py path
te shortcut
Move to
Copy to
Delete
Rename
Organize
New folder
New item
Easy access
New
Properties
Open
Edit
History
Open
Select all
Select none
Invert selection
Select
Search DataWarrior
Table
Structure
CNS vs. non-CNS: Don
173 of 1066 MB

windos (C:) > Program Files > DataWarrior

Name	Date modified	Type	Size
example	1/10/2024 1:45 PM	File folder	
jre	1/10/2024 1:45 PM	File folder	
macro	1/10/2024 1:45 PM	File folder	
plugin	1/10/2024 1:45 PM	File folder	
reference	1/10/2024 1:45 PM	File folder	
tutorial	1/10/2024 1:45 PM	File folder	
actelionclip.dll	3/17/2021 1:16 PM	Application exten...	137 KB
DataWarrior.exe	12/26/2023 6:01 PM	Application	929 KB
datawarrior_all.jar	12/27/2023 4:17 PM	Executable Jar File	53,205 KB
msvcp140.dll	1/16/2021 12:02 PM	Application exten...	614 KB

C:\Windows\System32\cmd.exe

```
Microsoft Windows [Version 10.0.19045.3693]
(c) Microsoft Corporation. All rights reserved.

C:\Program Files\DataWarrior>DataWarrior.exe

C:\Program Files\DataWarrior>
```

Subject: Re: error when edit with WYSIWYG in Explanation view
Posted by thomas on Wed, 10 Jan 2024 13:13:02 GMT
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Just to make sure: your DataWarrior version is v6.0.0? If so, then you could download a debug version of the DataWarrior.exe file, which should give you much more information from the commandline: openmolecules.org/datawarrior/datawarrior600d.zip. Donwload, unpack and copy the executable file into "C:\Program Files\DataWarrior". Then, in a command window cd to that directory and launch the new exe. Any useful output?

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(ja va.lang.String)'
	at  javafx.graphics/com.sun.javafx.font.directwrite.DWFactory.re gReadFontLink(Native
Method)
	at  javafx.graphics/com.sun.javafx.font.directwrite.DWFactory.ge tFallbacks(Unknown
Source)
	at  javafx.graphics/com.sun.javafx.font.LogicalFont.getLinkedFon ts(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.getGlyphMapp er(Unknown Source)
	at  javafx.web/com.sun.javafx.webkit.prism.WCFontImpl.getGlyphCo des(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.lamb da$runLater$10(Unknown
Source)
	at  java.base/java.security.AccessController.doPrivileged(Unknow n Source)
	at  javafx.graphics/com.sun.javafx.application.PlatformImpl.lamb da$runLater$11(Unknown
Source)
	at  javafx.graphics/com.sun.glass.ui.InvokeLaterDispatcher$Futur e.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$r unLoop$3(Unknown
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	at  javafx.web/com.sun.javafx.webkit.prism.WCFontImpl.getGlyphCo des(Unknown Source)
	at  javafx.web/com.sun.webkit.MainThread.twkScheduleDispatchFunc tions(Native Method)
	at  javafx.web/com.sun.webkit.MainThread.lambda$fwkScheduleDispa
tchFunctions$0(Unknown Source)
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	at  javafx.graphics/com.sun.javafx.text.GlyphLayout.breakRuns(Un known Source)
	at  javafx.graphics/com.sun.javafx.text.PrismTextLayout.buildRun s(Unknown Source)
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	at  javafx.controls/com.sun.javafx.scene.control.skin.Utils.comp uteTextHeight(Unknown
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	at  javafx.controls/javafx.scene.control.Control.computePrefHeig ht(Unknown Source)
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        at javafx.graphics/javafx.scene.Parent.prefHeight(Unknown Source)
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        at  javafx.controls/com.sun.javafx.scene.control.ControlHelper.p rocessCSSImpl(Unknown
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        at  java.base/java.security.AccessController.doPrivileged(Unknow n Source)
        at javafx.graphics/com.sun.javafx.tk.Toolkit.runPulse(Unknown Source)
        at javafx.graphics/com.sun.javafx.tk.Toolkit.firePulse(Unknown Source)
        at  javafx.graphics/com.sun.javafx.tk.quantum.QuantumToolkit.pul se(Unknown Source)
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	at  javafx.graphics/com.sun.javafx.tk.quantum.QuantumToolkit.pul seFromQueue(Unknown
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	at  javafx.graphics/com.sun.glass.ui.win.WinApplication._runLoop (Native Method)
	at  javafx.graphics/com.sun.glass.ui.win.WinApplication.lambda$r unLoop$3(Unknown
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	at java.base/java.lang.Thread.run(Unknown Source)
java.lang.UnsatisfiedLinkError: 'java.lang.String
com.sun.javafx.font.directwrite.DWFactory.regReadFontLink(ja va.lang.String)'
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	at  javafx.graphics/javafx.scene.layout.Region.boundedNodeSizeWi thBias(Unknown
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	at  javafx.graphics/javafx.scene.layout.Region.layoutInArea(Unkn own Source)
	at  javafx.controls/javafx.scene.control.SkinBase.layoutInArea(U nknown Source)
	at  javafx.controls/javafx.scene.control.SkinBase.layoutInArea(U nknown Source)
	at  javafx.controls/javafx.scene.control.SkinBase.layoutChildren (Unknown Source)
	at  javafx.web/javafx.scene.web.HTMLEditorSkin.layoutChildren(Un known Source)
	at  javafx.controls/javafx.scene.control.Control.layoutChildren( Unknown Source)
	at javafx.graphics/javafx.scene.Parent.layout(Unknown Source)
	at javafx.graphics/javafx.scene.Scene.doLayoutPass(Unknown Source)
	at  javafx.graphics/javafx.scene.Scene$ScenePulseListener.pulse( Unknown Source)
	at  javafx.graphics/com.sun.javafx.tk.Toolkit.lambda$runPulse$2( Unknown Source)
	at  java.base/java.security.AccessController.doPrivileged(Unknow n Source)
	at javafx.graphics/com.sun.javafx.tk.Toolkit.runPulse(Unknown Source)
	at javafx.graphics/com.sun.javafx.tk.Toolkit.firePulse(Unknown Source)
	at  javafx.graphics/com.sun.javafx.tk.quantum.QuantumToolkit.pul se(Unknown Source)
	at  javafx.graphics/com.sun.javafx.tk.quantum.QuantumToolkit.pul se(Unknown Source)
	at  javafx.graphics/com.sun.javafx.tk.quantum.QuantumToolkit.pul seFromQueue(Unknown
Source)
	at  javafx.graphics/com.sun.javafx.tk.quantum.QuantumToolkit.lam
bda$runToolkit$11(Unknown Source)
	at  javafx.graphics/com.sun.glass.ui.InvokeLaterDispatcher$Futur e.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$r unLoop$3(Unknown
Source)
	at java.base/java.lang.Thread.run(Unknown Source)
java.lang.UnsatisfiedLinkError: 'java.lang.String
com.sun.javafx.font.directwrite.DWFactory.regReadFontLink(ja va.lang.String)'
	at  javafx.graphics/com.sun.javafx.font.directwrite.DWFactory.re gReadFontLink(Native
Method)
	at  javafx.graphics/com.sun.javafx.font.directwrite.DWFactory.ge tFallbacks(Unknown
Source)
	at  javafx.graphics/com.sun.javafx.font.LogicalFont.getLinkedFon ts(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.getGlyphMapp er(Unknown Source)
	at  javafx.graphics/com.sun.javafx.text.PrismTextLayout.shape(Un known Source)
	at  javafx.graphics/com.sun.javafx.text.PrismTextLayout.layout(U nknown Source)
	at  javafx.graphics/com.sun.javafx.text.PrismTextLayout.ensureLa yout(Unknown Source)
	at  javafx.graphics/com.sun.javafx.text.PrismTextLayout.getBound s(Unknown Source)
	at  javafx.graphics/javafx.scene.text.Text.getLogicalBounds(Unkn own Source)
	at  javafx.graphics/javafx.scene.text.Text.doComputeGeomBounds(U nknown Source)
	at  javafx.graphics/javafx.scene.text.Text$1.doComputeGeomBounds (Unknown Source)
	at  javafx.graphics/com.sun.javafx.scene.shape.TextHelper.comput
eGeomBoundsImpl(Unknown Source)
	at  javafx.graphics/com.sun.javafx.scene.NodeHelper.computeGeomB ounds(Unknown
Source)
	at javafx.graphics/javafx.scene.Node.updateGeomBounds(Unknown Source)
	at javafx.graphics/javafx.scene.Node.getGeomBounds(Unknown Source)
	at javafx.graphics/javafx.scene.Node.getLocalBounds(Unknown Source)
	at javafx.graphics/javafx.scene.Node.updateTxBounds(Unknown Source)
	at  javafx.graphics/javafx.scene.Node.getTransformedBounds(Unkno wn Source)
	at javafx.graphics/javafx.scene.Node.updateBounds(Unknown Source)
	at javafx.graphics/javafx.scene.Parent.updateBounds(Unknown Source)
	at javafx.graphics/javafx.scene.Parent.updateBounds(Unknown Source)
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	at  javafx.graphics/javafx.scene.Scene$ScenePulseListener.pulse( Unknown Source)
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	at  java.base/java.security.AccessController.doPrivileged(Unknow n 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.pul se(Unknown Source)
	at  javafx.graphics/com.sun.javafx.tk.quantum.QuantumToolkit.pul se(Unknown Source)
	at  javafx.graphics/com.sun.javafx.tk.quantum.QuantumToolkit.pul seFromQueue(Unknown
Source)
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        at  javafx.graphics/com.sun.javafx.tk.quantum.QuantumToolkit.lam
bda$runToolkit$11(Unknown Source)
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        at  javafx.graphics/com.sun.glass.ui.win.WinApplication.lambda$r unLoop$3(Unknown
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Method)
        at  javafx.graphics/com.sun.javafx.font.directwrite.DWFactory.ge tFallbacks(Unknown
Source)
        at  javafx.graphics/com.sun.javafx.font.LogicalFont.getLinkedFon ts(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.getGlyphMapp er(Unknown Source)
        at  javafx.graphics/com.sun.javafx.text.PrismTextLayout.shape(Un known Source)
        at  javafx.graphics/com.sun.javafx.text.PrismTextLayout.layout(U nknown Source)
        at  javafx.graphics/com.sun.javafx.text.PrismTextLayout.ensureLa yout(Unknown Source)
        at  javafx.graphics/com.sun.javafx.text.PrismTextLayout.getBound s(Unknown Source)
        at  javafx.graphics/javafx.scene.text.Text.getLogicalBounds(Unkn own Source)
        at  javafx.graphics/javafx.scene.text.Text.doComputeGeomBounds(U nknown Source)
        at  javafx.graphics/javafx.scene.text.Text$1.doComputeGeomBounds (Unknown Source)
        at  javafx.graphics/com.sun.javafx.scene.shape.TextHelper.comput
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        at  javafx.graphics/com.sun.javafx.scene.NodeHelper.computeGeomB ounds(Unknown
Source)
        at javafx.graphics/javafx.scene.Node.updateGeomBounds(Unknown Source)
        at javafx.graphics/javafx.scene.Node.getGeomBounds(Unknown Source)
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        at javafx.graphics/javafx.scene.Node.updateTxBounds(Unknown Source)
        at  javafx.graphics/javafx.scene.Node.getTransformedBounds(Unkno wn Source)
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        at javafx.graphics/javafx.scene.Parent.updateBounds(Unknown Source)
        at javafx.graphics/javafx.scene.Parent.updateBounds(Unknown Source)
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        at javafx.graphics/javafx.scene.Parent.updateBounds(Unknown Source)
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        at javafx.graphics/javafx.scene.Parent.updateBounds(Unknown Source)
        at javafx.graphics/javafx.scene.Parent.updateBounds(Unknown Source)
        at javafx.graphics/javafx.scene.Parent.updateBounds(Unknown Source)
        at  javafx.graphics/javafx.scene.Scene$ScenePulseListener.pulse( Unknown Source)
        at  javafx.graphics/com.sun.javafx.tk.Toolkit.lambda$runPulse$2( Unknown Source)

C:\Program Files\DataWarrior>
```

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.

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!

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.