

Alpine Linux - Bug #7372

openjdk8-jre: Breaking change in 3.6

06/01/2017 02:33 PM - Andrea Giardini

Status:	New	Start date:	06/01/2017
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	3.6.3		
Affected versions:	3.6.1		

Description

Hello

Upgrading our jenkins container from alpine:3.5 to 3.6 causes Jenkins to break with the following error

```
May 30, 2017 9:32:58 AM hudson.util.BootFailure publish
SEVERE: Failed to initialize Jenkins
hudson.util.AWTPProblem: java.lang.UnsatisfiedLinkError: /usr/lib/jvm/java-1.8-openjdk/jre/lib/amd64/libfontmanager.so: Error
relocating /usr/lib/jvm/java-1.8-openjdk/jre/lib/amd64/libfontmanager.so: AWTFontDefaultChar: symbol not found
at hudson.WebAppMain.contextInitialized(WebAppMain.java:195)
at org.eclipse.jetty.server.handler.ContextHandler.callContextInitialized(ContextHandler.java:800)
at org.eclipse.jetty.servlet.ServletContextHandler.callContextInitialized(ServletContextHandler.java:444)
at org.eclipse.jetty.server.handler.ContextHandler.startContext(ContextHandler.java:791)
at org.eclipse.jetty.servlet.ServletContextHandler.startContext(ServletContextHandler.java:294)
at org.eclipse.jetty.webapp.WebAppContext.startWebapp(WebAppContext.java:1349)
at org.eclipse.jetty.webapp.WebAppContext.startContext(WebAppContext.java:1342)
at org.eclipse.jetty.server.handler.ContextHandler.doStart(ContextHandler.java:741)
at org.eclipse.jetty.webapp.WebAppContext.doStart(WebAppContext.java:505)
at org.eclipse.jetty.util.component.AbstractLifeCycle.start(AbstractLifeCycle.java:68)
at org.eclipse.jetty.util.component.ContainerLifeCycle.start(ContainerLifeCycle.java:132)
at org.eclipse.jetty.server.Server.start(Server.java:387)
at org.eclipse.jetty.util.component.ContainerLifeCycle.doStart(ContainerLifeCycle.java:114)
at org.eclipse.jetty.server.handler.AbstractHandler.doStart(AbstractHandler.java:61)
at org.eclipse.jetty.server.Server.doStart(Server.java:354)
at org.eclipse.jetty.util.component.AbstractLifeCycle.start(AbstractLifeCycle.java:68)
at winstone.Launcher.<init>(Launcher.java:152)
at winstone.Launcher.main(Launcher.java:352)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at Main._main(Main.java:264)
at Main.main(Main.java:112)

Caused by: java.lang.UnsatisfiedLinkError: /usr/lib/jvm/java-1.8-openjdk/jre/lib/amd64/libfontmanager.so: Error relocating
/usr/lib/jvm/java-1.8-openjdk/jre/lib/amd64/libfontmanager.so: AWTFontDefaultChar: symbol not found
at java.lang.ClassLoader$NativeLibrary.load(Native Method)
at java.lang.ClassLoader.loadLibrary0(ClassLoader.java:1941)
at java.lang.ClassLoader.loadLibrary(ClassLoader.java:1845)
at java.lang.Runtime.loadLibrary0(Runtime.java:870)
at java.lang.System.loadLibrary(System.java:1122)
at sun.font.FontManagerNativeLibrary$1.run(FontManagerNativeLibrary.java:61)
at java.security.AccessController.doPrivileged(Native Method)
at sun.font.FontManagerNativeLibrary.<clinit>(FontManagerNativeLibrary.java:32)
at sun.font.SunFontManager$1.run(SunFontManager.java:339)
at java.security.AccessController.doPrivileged(Native Method)
at sun.font.SunFontManager.<clinit>(SunFontManager.java:335)
at java.lang.Class.forName0(Native Method)
at java.lang.Class.forName(Class.java:348)
at sun.font.FontManagerFactory$1.run(FontManagerFactory.java:82)
at java.security.AccessController.doPrivileged(Native Method)
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at sun.font.FontManagerFactory.getInstance(FontManagerFactory.java:74)
at java.awt.Font.getFont2D(Font.java:491)
at java.awt.Font.getFamily(Font.java:1220)
at java.awt.Font.getFamily_NoClientCode(Font.java:1194)
at java.awt.Font.getFamily(Font.java:1186)
at java.awt.Font.toString(Font.java:1683)
at hudson.util.ChartUtil.<clinit>(ChartUtil.java:260)
at hudson.WebAppMain.contextInitialized(WebAppMain.java:194)
... 23 more
```

libfontmanager.so is in the correct folder but apparently it does not contains the same symbols that it uses to contain in alpine:3.5

Cheers

Andrea

History

#1 - 06/01/2017 03:07 PM - Natanael Copa

- Target version set to 3.6.1

#2 - 06/01/2017 07:19 PM - Natanael Copa

- Target version changed from 3.6.1 to 3.6.2

#3 - 06/16/2017 02:14 PM - Natanael Copa

- Status changed from New to Resolved

- % Done changed from 0 to 100

edit: thought it was resolved but i was wrong

#4 - 06/16/2017 02:14 PM - Natanael Copa

- Status changed from Resolved to New

- % Done changed from 100 to 0

#5 - 06/16/2017 03:01 PM - Natanael Copa

- Target version changed from 3.6.2 to 3.6.3

#6 - 08/01/2017 06:00 PM - Ilya Naryzhnyy

Any ideas how can it be fixed?

There is a long tail of projects which depends on alpine docker image.

If no fix at this point: please advice how to fix it by additional actions in Dockerfile.

#7 - 08/09/2017 11:08 AM - Roman Gromov

Ilya Naryzhnyy, I'm using Dockerized version of Alpine and rollback to Docker image based on previous version of Alpine works just fine for me as workaround, details here:

<https://stackoverflow.com/questions/45315251/could-not-initialize-class-sun-awt-x11fontmanager-using-openjdk-8-on-alpine-linu>

#8 - 08/10/2017 03:59 AM - Christian Bjørnbak

The issued is solved in openjdk8 8.141.15-r0 from edge and if I install ttf-dejavu fontconfig too the other font issues are fixed too.

Please backport 8.141.15 to 3.6.3.