
Subject: Saving Preferences in Linux

Posted by [BuildOnC](#) on Mon, 08 Sep 2014 13:19:49 GMT

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Hello there,
at first, thanks a lot for this beautiful software

However - there is a problem in Linux.

Say, I want to disable the "Automatically Check For Updates" function (help menue).
It doesn't get stored in Linux.

I've tried

- fedora 20 64Bit with open-jdk 1.7.0.65
- centos 6.5 64 Bit with open-jdk 1.7.0.65
- centos 6.5 with oracle-jdk 1.7.0.67

without success.

In Windows this setting is stored within the registry --> here:

```
[HKEY_CURRENT_USER\Software\JavaSoft\Prefs\org.openmolecules .datawarrior]
"automatic_update_check"="false"
```

Within Linux it should save something underneath "~/.java/.userPrefs/..." but this goes way wrong.

This is, what I found out so far:

=====

User Prefs in Linux are stored in this path (seriously!):

```
~/.java/.userPrefs/_!8!cg"n!#4!bw"w!"!bg"t!8!b!"!":!d@
"s!"!cw!u!"@!}@!"0!"%!dw"h!(!!cg"p!8!cg==
```

However this doesn't really work (maybe already because of the defective path name)

- instead a 0 Bytes "prefs.tmp" is written (but at least underneath that strange path - so that path is recognised somehow)

This "prefs.tmp" is going to be deleted and recreated again at every start.

The program really tries hard to look for "prefs.xml" (same path) - says strace - but it doesn't find it.

If I create "prefs.xml" like this (I can't use URLs because of posting policies)...

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<!DOCTYPE map SYSTEM "http://java.sun.com/dtd/preferences.dtd">
<map MAP_XML_VERSION="1.0">
</map>
```

nothing gets written to it anyway (a prefs.xml which is not XML conform will be renamed to

"IncorrectFormatPrefs.xml)

Besides, java crashes on exit like this:

```
Exception in thread "Thread-2" java.lang.AbstractMethodError:
  org.apache.xerces.dom.DocumentImpl.getXmlStandalone()Z
  at com.sun.org.apache.xalan.internal.xsltc.trax.DOM2TO.setDocumentInfo(DOM2TO.java:377)
  at com.sun.org.apache.xalan.internal.xsltc.trax.DOM2TO.parse(DOM2TO.java:131)
  at com.sun.org.apache.xalan.internal.xsltc.trax.DOM2TO.parse(DOM2TO.java:98)
  at
  com.sun.org.apache.xalan.internal.xsltc.trax.TransformerImpl.transformIdentity(TransformerImpl.java:702)
  at
  com.sun.org.apache.xalan.internal.xsltc.trax.TransformerImpl.transform(TransformerImpl.java:746)
  )
  at
  com.sun.org.apache.xalan.internal.xsltc.trax.TransformerImpl.transform(TransformerImpl.java:359)
  )
  at java.util.prefs.XmlSupport.writeDoc(XmlSupport.java:276)
  at java.util.prefs.XmlSupport.exportMap(XmlSupport.java:355)
  at java.util.prefs.FileSystemPreferences$7.run(FileSystemPreferences.java:622)
  at java.util.prefs.FileSystemPreferences$7.run(FileSystemPreferences.java:615)
  at java.security.AccessController.doPrivileged(Native Method)
  at java.util.prefs.FileSystemPreferences.writeBackCache(FileSystemPreferences.java:614)
  at java.util.prefs.FileSystemPreferences.syncSpiPrivileged(FileSystemPreferences.java:801)
  at java.util.prefs.FileSystemPreferences.access$2300(FileSystemPreferences.java:50)
  at java.util.prefs.FileSystemPreferences$12.run(FileSystemPreferences.java:771)
  at java.util.prefs.FileSystemPreferences$12.run(FileSystemPreferences.java:769)
  at java.security.AccessController.doPrivileged(Native Method)
  at java.util.prefs.FileSystemPreferences.syncSpi(FileSystemPreferences.java:768)
  at java.util.prefs.AbstractPreferences.sync2(AbstractPreferences.java:1332)
  at java.util.prefs.AbstractPreferences.sync2(AbstractPreferences.java:1337)
  at java.util.prefs.AbstractPreferences.sync(AbstractPreferences.java:1323)
  at java.util.prefs.FileSystemPreferences.sync(FileSystemPreferences.java:747)
  at java.util.prefs.FileSystemPreferences.flush(FileSystemPreferences.java:824)
  at java.util.prefs.FileSystemPreferences.syncWorld(FileSystemPreferences.java:464)
  at java.util.prefs.FileSystemPreferences.access$1200(FileSystemPreferences.java:50)
  at java.util.prefs.FileSystemPreferences$4$1.run(FileSystemPreferences.java:442)
```

This looks more or less exactly like the problem which is mentioned (and solved!) here (I have to make it a "non link" because of posting policies, sorry):

- [sourceforge . net / p / jppf-project / bugs / 9 /](http://sourceforge.net/p/jppf-project/bugs/9/)

Finally, the question is:

Is there some workaround possible (like throwing some parameters like

-Dsomething.something=something at this?) ?

Thanks a lot,
the guy build on C
