

ArgoUML

As discussed on the list [1], this application fails to launch. HARMONY-1257 has been raised with the details of the failures. (note: these results are taken from attempted runs with the IBM VME)

On Windows, the application brings up its loading progress screen, then halts, printing the following stack trace to stderr:

```
Exception in thread "main" java.lang.reflect.InvocationTargetException
    at java.lang.reflect.AccessibleObject.invokeV(AccessibleObject.java:27)
    at java.lang.reflect.Method.invoke(Method.java:258)
    at com.ibm.oti.vm.JarRunner.main(JarRunner.java:42)
Caused by: java.lang.NoSuchMethodError: java/applet/Applet.getAppletContext()Ljava/applet/AppletContext;
    at org.tigris.gef.base.Globals.getAppletContext(Globals.java:86)
    at org.tigris.gef.base.Globals.showStatus(Globals.java:145)
    at org.tigris.gef.base.Editor.pushMode(Editor.java:282)
    at org.tigris.gef.base.Editor.<init>(Editor.java:191)
    at org.tigris.gef.base.Editor.<init>(Editor.java:172)
...
```

So this application has a requirement for an implementation of Applet at least (which we do not currently have).

On Linux, the VM crashes very quickly, with no load screen appearing. The following error message is printed:

```

Unhandled exception
Type=Segmentation error vmState=0x00000000
J9Generic_Signal_Number=00000004 Signal_Number=0000000b Error_Value=00000000 Signal_Code=00000001
Handler1=403505A1 Handler2=402F2343 InaccessibleAddress=00000000
EDI=BFFFD260 ESI=0804D010 EAX=00000000 EBX=4003A15C
ECX=BC058C0C EDX=00000000
EIP=40036A80 ES=0000007B DS=C010007B ESP=BC05864C
EFlags=00210202 CS=00000073 SS=0000007B EBP=BC058654
Module=/nfs/ins/proj/drl/coreapi/vgorr/GIT/classlib/trunk/deploy/jdk/jre/bin/libhythr.so
Module_base_address=40034000 Symbol=hythread_monitor_enter
Symbol_address=40036A51
Target=2_30_20060727_07300_lHdSMR (Linux 2.6.5-7.191-bigsmp)
CPU=x86 (4 logical CPUs) (0xf280c000 RAM)

JavaVMInitArgs.nOptions=10:
-Dcom.ibm.oti.vm.vmdir=/nfs/ins/proj/drl/coreapi/vgorr/GIT/classlib/trunk/deploy/jdk/jre/bin/default/
-Dcom.ibm.oti.vm.exe=/nfs/ins/proj/drl/coreapi/vgorr/GIT/classlib/trunk/deploy/jdk/jre/bin/java
-Dcom.ibm.oti.vm.bootstrap.library.path=/nfs/ins/proj/drl/coreapi/vgorr/GIT/classlib/trunk/deploy/jdk/jre
/bin:/nfs/ins/proj/drl/coreapi/vgorr/GIT/classlib/trunk/deploy/jdk/jre/bin/default
-Xbootclasspath/p:/nfs/ins/proj/drl/coreapi/vgorr/GIT/classlib/trunk/deploy/jdk/jre/bin/default/luni-kernel.
jar:/nfs/ins/proj/drl/coreapi/vgorr/GIT/classlib/trunk/deploy/jdk/jre/bin/default/security-kernel.jar
-Djava.home=/nfs/ins/proj/drl/coreapi/vgorr/GIT/classlib/trunk/deploy/jdk/jre
-Djava.library.path=/nfs/ins/proj/drl/coreapi/vgorr/GIT/classlib/trunk/deploy/jdk/jre/bin/./nfs/ins/proj
/drl/coreapi/vgorr/GIT/classlib/trunk/deploy/jdk/jre/bin/default:/nfs/ins/proj/drl/coreapi/vgorr/GIT/classlib
/trunk/deploy/jdk/jre/bin
-Djava.class.path=argouml.jar
_org.apache.harmony.vmi.portlib (extra info: BFFFD260)
-Xjcl:jclclear_23
_j2se_j9=136448
Note: dump may be truncated if "ulimit -c" is set too low

Generated system dump: {default OS core name}

Thread: Finalizer thread (priority 5) (daemon) (LOCATION OF ERROR)
0000008e java/util/zip/ZipFile.closeZipImpl()V (@610F8FC2)
00000008 java/util/zip/ZipFile.close()V
00000001 java/util/zip/ZipFile.finalize()V

Thread: Gc Slave Thread (priority 5) (daemon)

Thread: Gc Slave Thread (priority 5) (daemon)

Thread: main (priority 5)
Unhandled exception in signal handler
Aborted

```

The "Module" info indicates that we were in hythr library at the point of crashing. I have yet to diagnose the cause of the crash.

[1] http://mail-archives.apache.org/mod_mbox/incubator-harmony-dev/200608.mbox/%3c23951bd90608222113g2545c9aem4e51b434e63344e9@mail.gmail.com%3e