

Re: Unable to execute program using the jar option.

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Source: <http://coding.derkeiler.com/Archive/Java/comp.lang.java.programmer/2007-05/msg02175.html>

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dan wrote:

Oddly I am unable to execute my jar directly (without getting an exception); however, by specifying the class directly it runs just fine.

If I had to guess.. it seems that it is related to my 2 system properties .. it is behaving as if my classpath is being corrupted when I use the -jar flag.

fails: (specifying the jar file to run)

```
%JAVA_HOME%\bin\java -Dframework.runtimeContext="DEV" -Dframework.properties="H:\Java\Configuration\Extractor\properties\framework.xml" -jar h:\Migration\migratorCode\cwsmigrator.jar /mode:import /config:myconfig.xml
```

works: (specifying the class with main)

```
%JAVA_HOME%\bin\java -Dframework.runtimeContext="DEV" -Dframework.properties="H:\Java\Configuration\Extractor\properties\framework.xml" package.MigrationDirector /mode:import /config:myconfig.xml
```

Details:

Using: Sun Java 1.4.2

Exception: I believe the exact Exception is irrelevant to this issue as I believe the real issue is the JVM is not being passed the system properties; however, I will paste it here anyways.

```
java.lang.NoClassDefFoundError: com/company/aid/config/PropertyManagerException
at
com.company.cws.migrator.MigrationDirector.main(MigrationDirector.java:
42)
Exception in thread "main"
```

Classpath: Contains all needed jars (or it wouldn't work by specifying

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just the main class) .. and it does have "." included in the path. The path definitely has the jar file that contains the class the exception is complaining about .. this has been verified and it would not work the other way if this was not the case.

Jar file .. has the manifest file that determines the main class (MigrationDirector); I don't think this is an issue since it is not complaining about finding the MigrationDirector .. it complaining about a class that can't instant
Have recompiled the jar file several time in case it was a fluke.

THANKS!

What is the name of the main class, package.MigrationDirector or com.company.cws.migrator.MigrationDirector? Is the class PropertyManagerException actually in one of the jar files? What is the actual content of the manifest file?

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