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(JAVA) Use Command Prompt to create .jar file from multiple .class files

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I have written a .java file, called Main.java, and have compiled it using the javac in the Windows Command Prompt. The compiler is creating multiple .class files (called Main.class, Main\$1.class, & Main\$2.class--presumably because I have anonymous inner classes in my Main.java file). I am trying to create a runnable .jar file so I can double click a shortcut to run this application (it is a Java Swing application), but I am unsuccessful when I navigate to the directory of the three class files and type:

```
jar cfv file.jar Main.class Main$1.class Main$2.class
```

The Command Prompt then outputs this text:

```
added manifest
adding: Main.class(in 4871) (out = 2848)(deflated 41%)
adding: Main$1.class(in 1409) (out = 833)(deflated 40%)
adding: Main$2.class(in 1239) (out = 767)(deflated 38%)
```

Despite this, when I double click on the file.jar file in Windows Explorer, simply put, nothing happens. No swing application opens.

Hopefully someone can help me out with this. Thank you

Best...SL

java command-line jar javac

share edit

asked Feb 11 '13 at 22:02

 Skyler
1,159 ● 5 ● 17 ● 28

Look at this question which answered your question. There has been plenty of question on this.
stackoverflow.com/questions/13081920/... – DJ. Feb 11 '13 at 22:07

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4 Answers

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You need to use the entry-point switch -e (with the name of the class containing the main() method) as such:

```
jar cfve file.jar Main Main.class Main$1.class Main$2.class
```

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answered Feb 11 '13 at 22:06

 iamnotmaynard
4,824 ● 2 ● 19 ● 38

Thank you iamnotmaynard, this worked. I will accept this as the correct response once this website allows me to... – Skyler Feb 11 '13 at 22:07

if java program have more dependence jar files. how to represent the lib path in command prompt. – Bask Dec 4 '14 at 6:19

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asked 6 years, 4 months ago

viewed 63,248 times

active 1 year ago

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Something's gotta tell the java which class should be started automatically. That's the Manifest - see description [here](#) You have to package the Manifest.mf in your jar.

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answered Feb 11 '13 at 22:05



[michael_s](#)
2,140 • 12 • 22

In your case: add `Main-Class: Main` to a file `Manifest.txt` and `jar cvf file.jar Manifest.txt Main.class Main$1.class Main$2.class` — [michael_s](#) Feb 11 '13 at 22:07

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1. open cmd (windows+r type cmd)
2. simply type command as a "jar" without quotes
3. it will give some options and those usage.
4. use what you want
5. to create a jar file with class you to mention jar cvf filename.jar example.class example2.class etc..
6. IF your using swing compile it with `javac -deprecation SwingApplication.java` but JDK version must be greater than version JDK1.1
7. run `java SwingApplication`
8. ALL THE BEST

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answered Jun 17 '18 at 11:09



[Gopal Reddy](#)
16 • 4

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1. Open Command Prompt
2. cd go to the path where jar file exist
3. run command `jar xf fileName.jar`
4. It will generate com, META-INF & Copyright.mk files
5. Go to the particular package where u want to modify the class file (Basically class files present in com directory)
6. Download the `JAD.exe` from google (Its Zip File)
7. Extract the Zip file you will get `jad.exe`
8. Place the class file (which u want to modify) in the folder, that contains `jad.exe`
9. Go to command prompt, run `jad fileName.class` (the class filename which u want to modify)
10. `fileName.jad` file will get generate , rename it as `fileName.java`
11. compile the `fileName.java` (if its referring to some other class file configure it in eclipse accordingly)
12. once compiled replace the class file in the directory defined in step 4
13. Go to command prompt, cd Step 4 path, run `jar cf fileName.jar` (* represents all the class files irrespective of directories)

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edited Jun 2 '16 at 7:21



[DhiaTN](#)
5,580 • 9 • 32 • 49

answered Jun 2 '16 at 7:03



























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
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
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
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