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How to include jar files with java file and compile in command prompt

I have 3 jar files and a .java file that depends on these jar files. How do I compile the .java file with these jar files using a command prompt?

[java](#) [jar](#) [command-prompt](#)

edited Aug 7 '14 at 20:50



[Joshua McLean](#)

61 8

asked Feb 22 '12 at 12:57



[user1177567](#)

320 1 3 8

7 type "javac -help" – [Sean Patrick Floyd](#) Feb 22 '12 at 12:59

2 docs.oracle.com/javase/6/docs/technotes/tools/index.html#basic – [Sean Patrick Floyd](#) Feb 22 '12 at 13:00

2 hope [this](#) helps you.. – [Fahim Parkar](#) Feb 22 '12 at 13:07

1 Note to self: you must use -cp/-classpath flag before the name of the java file you want to run, otherwise it will ignore the flag. java -cp ".;magic.jar" Foo is ok java Foo -cp ".;magic.jar" is not. – [Dmitry](#) Dec 18 '16 at 17:52

6 Answers

You can include your jar files in the "javac" command using the "-cp" option.

```
javac -cp ".;/home/path/mail.jar;/home/path/servlet.jar;" MyJavaFile.java
```

Instead of "-cp" you could also use "-classpath"

```
javac -classpath ".;/home/path/mail.jar;/home/path/servlet.jar;" MyJavaFile.java
```

You could including the jars every time you compile by setting the environment variable "CLASSPATH" correctly. The environment variable will store the path where the jars and classes that needs to be used for compiling/executing any java file. You will not have to include the jars individually every time you compile you file.

Different machines have different methods to set the classpath as an environment variable. The commands for Windows, Linux, etc are different.

You can find more details in [this blog](#).

<http://javarevisited.blogspot.com/2011/01/how-classpath-work-in-java.html>

edited Jul 2 '13 at 22:34



nook

1,876 4 23 44

answered Feb 22 '12 at 14:08



kensen john

3,369 2 16 30

6 javac -classpath ".:/home/path/mail.jar;/home/path/servlet.jar" MyJavaFile.java worked for me. I was using mac. I read somewhere that ':' is used for unix. – [Sri](#) May 25 '16 at 5:01

1 I have used this command but when tried to access the class present in jar file, I am getting ClassNotFoundException. – [mzeus.bolt](#) May 25 '16 at 17:39

Try to add all dependency jar files to your class path through environment variable settings or use the below steps:

1. Open command prompt.
2. Change directory to the location of you java file that you would like compile.
3. Set the classpath for your dependency jar files as shown below:

```
set classpath=C:\Users\sarath_sivan\Desktop\jars\servlet-api.jar;  
C:\Users\sarath_sivan\Desktop\jars\spring-jdbc-3.0.2.RELEASE;
```

```
C:\Users\sarath_sivan\Desktop\jars\spring-aop-3.0.2.RELEASE;
```

4. Now, you may compile your java file. (command: `javac YourJavaFile.java`)

Hope this will resolve your dependency issue.

edited Mar 22 '16 at 10:45



SANN3

5,143 3 33 61

answered Feb 22 '12 at 13:39



Sarath Kumar Sivan

3,699 1 14 22

Please try on Linux

```
javac -cp jarfile source file
```

EXAMPLE :-

```
javac -cp ./jars/* com/template/*.java
```

edited Aug 29 '13 at 11:34



Spudley

127k 31 180 260

answered Aug 29 '13 at 11:14



Jamsheer

926 1 7 32

When I try the **EXAMPLE** :-, with `./jars` replaced with the directory in which my JAR files are located, I get the error message `javac: invalid flag: /location/of/first/jar/file.jar` . – [Arturo don Juan](#) Jan 7 '16 at 23:55

stackoverflow.com/questions/27915204/... please refere this ,it may solve your problem – [Jamsheer](#) Jan 8 '16 at 3:42

Syntax will work on windows dos command:

```
javac -cp ".;first.jar;second.jar;third.jar" MyJavaFile.java
```

answered Jul 11 '13 at 15:19



user2573056

81 1 1

2 After successful execution of above command how to run the java class file? – [Yash Agrawal](#) Mar 16 at 14:44

This will create .class file:

```
javac -classpath "[jarname with specified path]" [java filename]
```

This will execute class file:

```
java -cp [jarname with specified path]: [java filename]
```

edited Mar 3 at 10:38



Racil Hilan

10.7k 10 21 40

answered Mar 3 at 10:19



Isaq

31 1

java command is showing error Caused by: **java.lang.ClassNotFoundException: org.slf4j.LoggerFactory**
I want to **compile** ** `javac -classpath "/home/scorncr/Downloads/spark-core-2.3.jar" MyFile.java`
and **run** `java -cp /home/scorncr/Downloads/spark-core-2.3.jar: MyFile.java` also i tried `java -cp /home/scorncr/Downloads/spark-core-2.3.jar: MyFile -` [Yash Agrawal](#) Mar 16 at 14:47

Try This.

```
javac -cp .:jars/jar1:jars/jar2:jars/jar3 com/source/*.java
```

answered Apr 26 at 23:07



Shravya

61 8