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installing JDK8 on Windows XP - advapi32.dll error

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I downloaded JDK8 build b121 and while trying to install I'm getting the following error:

the procedure entry point RegDeleteKeyExA could not be located in the dynamic link library ADVAPI32.dll

The operating system is Windows XP, Version 2002 Service Pack 3, 32-bit.

java | dll | windows-xp | java-8 | openjdk

edited Mar 20 at 14:58



vaxquis
1,648 9 20

asked Jan 7 at 6:47



yashhy
955 2 8 22

I don't think Java 8 supports XP. – assylia Jan 7 at 10:03

@assylia is it so? is there any document specifying it? – yashhy Jan 7 at 10:05

I tried installing it on an XP computer a few months ago and I remember getting a warning (the installation went through though...). – assylia Jan 7 at 10:11

Whoaa!! I'm afraid :(jdk8.java.net/jdk8_supported_platforms.html – yashhy Jan 7 at 10:13

1 @assylia I was looking through google and found msdn.microsoft.com/en-us/library/ms724847%28VS.85%29.aspx where minimum client requirement for **RegDeleteKeyExA** is **Windows Vista, Windows XP Professional x64 Edition** so this could be the problem. – yashhy Jan 7 at 11:21

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2 Answers

This happens because Oracle dropped support for Windows XP (which doesn't have RegDeleteKeyExA used by the installer in its ADVAPI32.DLL by the way) as described in <http://mail.openjdk.java.net/pipermail/openjfx-dev/2013-July/009005.html>. Yet while the official support for XP has ended, the Java binaries are still (as of Java 8u20 EA b05 at least) XP-compatible - only the installer isn't...

Because of that, the solution is actually quite easy:

1. get 7-zip (or any other quality archiver), unpack the distribution .exe manually, it has one .zip file inside of it, extract it too,
2. use unpack200 from JDK8 to unpack all .pack files to .jar files (older unpacks won't work properly); JAVA_HOME should be set to your Java unpack root, e.g. "C:\Program Files\Java\jdk8" - you can specify it implicitly by e.g.

```
SET JAVA_HOME=C:\Program Files\Java\jdk8
```

- Unpack all files with a single command (in batch file):

```
FOR /R %%F IN (*.pack) DO "%JAVA_HOME%\bin\unpack200.exe" -r -v "%%F" "%~f
```

- Unpack all files with a single command (command line from JRE root):

```
FOR /R %f IN (*.pack) DO "bin\unpack200.exe" -r -v "%f" "%~pf~nf.jar"
```

- Unpack by manually locating the files and unpacking them one-by-one:

```
%JAVA_HOME%\bin\unpack200 -r packname.pack packname.jar
```

where packname is for example rt

3. point the tool you want to use (e.g. Netbeans) to the %JAVA_HOME% and you're good to go.

As a note: you probably shouldn't do this just to use Java 8 in your web browser or for any similar reason (installing JRE 8 comes to mind); security flaws in early updates of major Java version releases are (mind me) *legendary*, and adding to that no real support for neither XP nor Java 8 on XP only makes matters much worse. Not to mention you usually **don't** need Java in your browser (see e.g. <http://nakedsecurity.sophos.com/2013/01/15/disable-java-browsers-homeland-security/> - the topic is already covered on many pages, just google it if you require further info). In any case, AFAIK the only thing required to apply this procedure to JRE is to change some of the paths specified above from \bin\ to \lib\ (the file placement in installer directory tree is a bit different) - yet I **strongly** advise against doing it.

See also: [JRE 1.7 returns: java/lang/NoClassDefFoundError: java/lang/Object](#)

edited May 12 at 13:25

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vaxquis

no need to go manually through the files, use FOR /R %%f IN (*.pack) DO "C:\Program Files\Java\jre8\bin\unpack200.exe" -r -v %%f %%f.jar , only use one % for cmd line, %% for batch file. I still can't get it to run on XP, maybe I can't just replace all the files. - [brian](#) Feb 1 at 2:41

I've got my jdk-8-ea-bin-b123-windows-i586-10_jan_2014 running on XP SP2 without any trouble; if you can't run it on XP, maybe you could describe *what* ain't working for you and we could figure it out? - [vaxquis](#) Feb 2 at 14:35

I screwed up the upack200 cmd line and renamed all the files .pack.jar , use FOR /R %%f IN (*.pack) DO "C:\Program Files\Java\jre8\bin\unpack200.exe" -r -v "%f" "%~pf%~nf.jar" Trying it again now. - [brian](#) Feb 2 at 16:44

Everything works, thanks. I also downloaded the jre and did the same thing and replaced my jre8 program dir. You could probably just use the jre dir in the sdk. There's some registry entries with the old version number but it's probably no big deal. java -version returns the correct build. - [brian](#) Feb 2 at 16:57

Strange because i cannot locate src.zip from jdk and so eclipse cannot attach the source code. - [Wlofrevo Kcast](#) Mar 19 at 17:25

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Is there an official SE app for iOS?

Yes, on App Store >

With JRE 8 on XP there is another way - to use MSI to deploy package.

- Install JRE 8 x86 on a PC with supported OS
- Copy c:\Users[USER]\AppData\LocalLow\Sun\Java\jre1.8.0\jre1.8.0.msi and Data1.cab to XP PC and run **jre1.8.0.msi**

or (silent way, usable in batch file etc..)

```
for %%I in (*.msi) do if exist "%%I" msixec.exe /i %%I /qn EULA=0 SKIPLICENSE=1
```

edited Apr 7 at 10:20

 [Kama](#)
10.2k 9 51 99

answered Mar 27 at 9:52

 [user3467974](#)
31 1

Since it actually requires the JRE to be installed on another, spec-compliant system (not to mention it requires copying the files from it), I consider this method a (interesting one, so to say) proof-of-concept - rather than a working, usable solution. - [vaxquis](#) Mar 27 at 21:59

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