

COM Java

Manual to install JACOB (Java COM Bridge) for Eclipse

Install Eclipse

Download and install standard version of Eclipse:

- Goto <https://eclipse.org/downloads/>
- Download standard Eclipse IDE for Java Developers

Create new Java Project

Create a new project in eclipse and project environment:

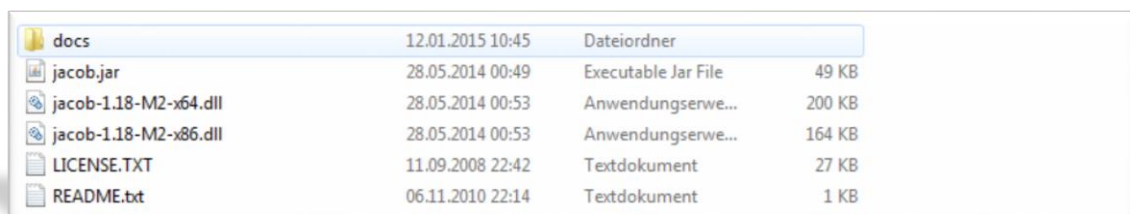
- Eclipse Menu: File > New > Java Project
- Right click on your project in package explorer > New > Folder > Create new folder with name "libs"
- Right click on your project in package explorer > New > Folder > Create new folder with name "natives"



Download JACOB COM Library

To use COM in java you need a native COM-bridge like JACOB:

- Goto <http://sourceforge.net/projects/jacob-project/>
- Download current JACOB version
- Extract jacob-xxx.zip



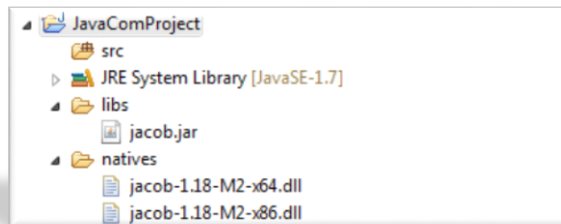
	12.01.2015 10:45	Dateiordner	
jacob.jar	28.05.2014 00:49	Executable Jar File	49 KB
jacob-1.18-M2-x64.dll	28.05.2014 00:53	Anwendungserwe...	200 KB
jacob-1.18-M2-x86.dll	28.05.2014 00:53	Anwendungserwe...	164 KB
LICENSE.TXT	11.09.2008 22:42	Textdokument	27 KB
README.txt	06.11.2010 22:14	Textdokument	1 KB

Import JACOB natives into Java Project

After extracting the JACOB files, we have to import these correctly:

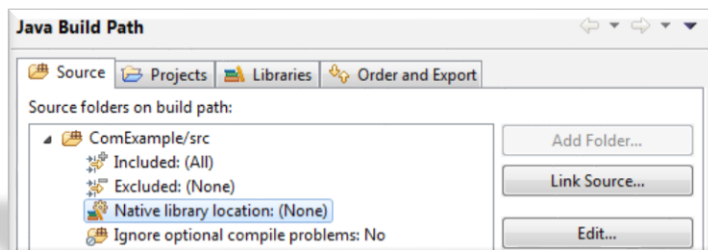
- Copy jacob.jar into your libs folder
- Copy all *.dll from the jacob archive into your natives folder

(You can copy & paste the files to the package explorer)

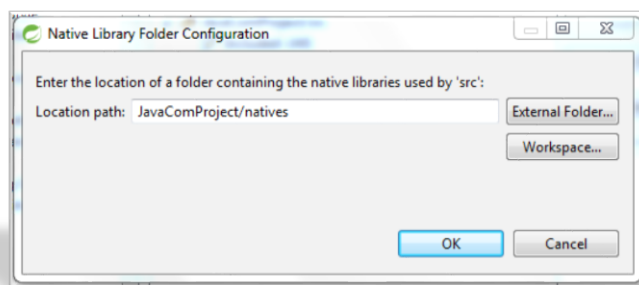


Now we must add the natives folder to the java build path:

- Rightclick on java project > Build Path > Configure Build Path
- Expand Project-Sourcefolder (click the small arrow)
- Select "Native Library location: (None)"
- Click Edit-Button



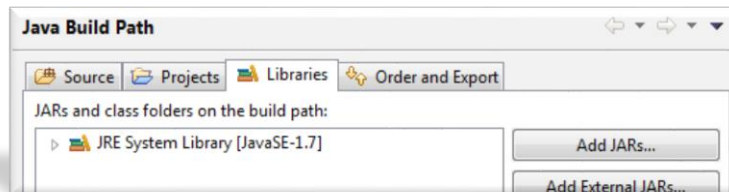
- Click "Workspace..." in Native Library Folder Configuration dialog.
- Select the natives folder from your java project.
- Click Ok



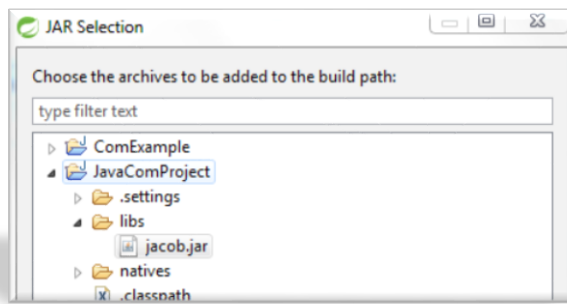
Import JACOB libs into Java Project

After setting the native folder, we have to add the jacob.jar to the build path:

- Open Build Path configuration again
- Select "Libraries" and click "Add JARs.."



- Select the jacob.jar from our libs folder



- Done!

Create Example Java File

Finally we can create a java class with COM functions:

- Rightclick Java-Project > New > Class

Now add some lines to test if our project setup ist working:

```
import com.jacob.activeX.ActiveXComponent;
public class JavaComTest
{
    public static void main(String[] args)
    {
        //Create new COM Connection
        ActiveXComponent vissim = new ActiveXComponent("VISSIM.Vissim.800");
        //Call Method BringToFront() to focus VISSIM Window
        vissim.invoke("BringToFront");
    }
}
```

Click "Run" to launch the class.

(Your class name can differentiate, but dont forget the import of com.jacob.activeX.ActiveXComponent)