**Electric Install**

December 30, 2014

The following was performed on a Windows 7 64 bit system.

Install JAVA JRE

1. Go to:

http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html

2. Download: jre-8u25-windows-x64.exe

3. Install JAVA JRE by running jre-8u25-windows-x64.exe

a. Click Install:

b. Wait while it installs:



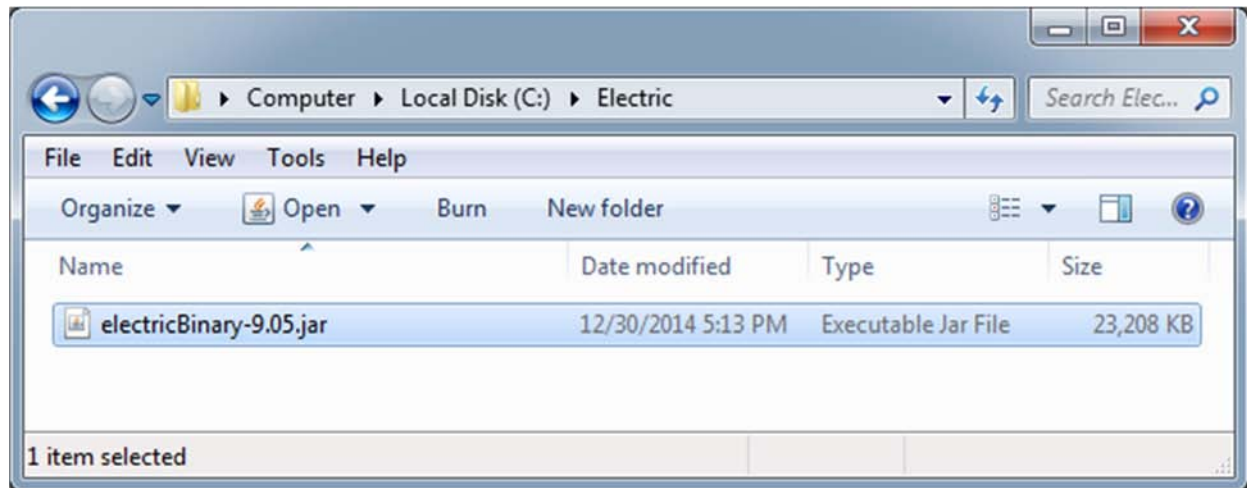c. When the installation finishes, click Close:

Install Electric

1. Go to:

http://www.staticfreesoft.com/productsFree.html

2. Download the binary: electricBinary-9.05.jar

3. Create a folder called Electric and place electricBinary-9.05.jar in it:
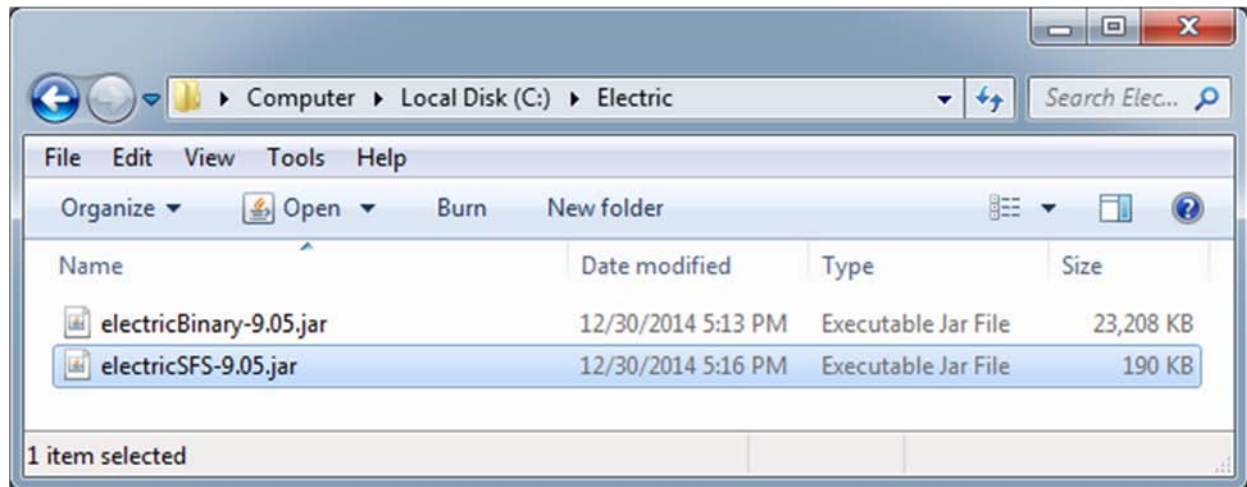


Install 3D Interface

Get Software Extra Plugin

1. Go to:

http://www.staticfreesoft.com/productsFree.html

2. Download the Software extras: electricSFS-9.05.jar

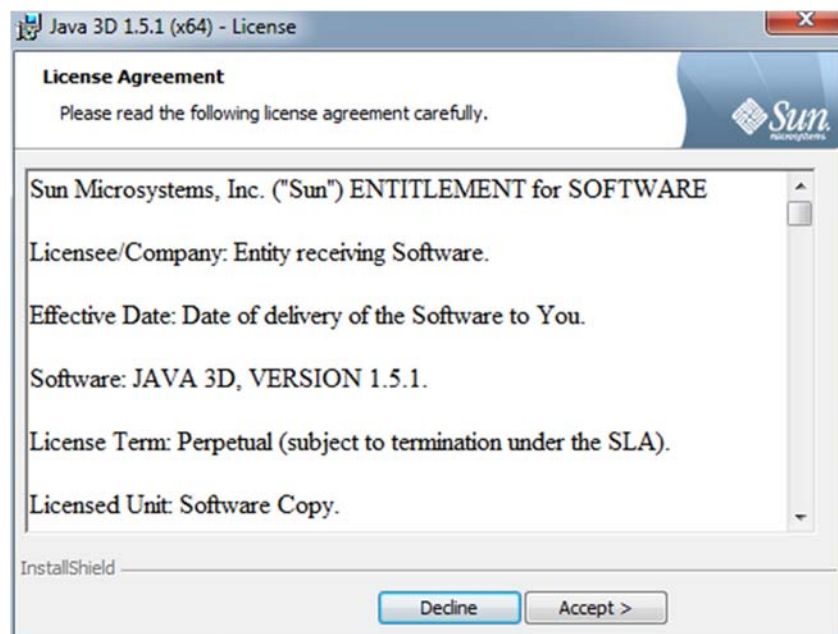3. Place electricSFS-9.05.jar in the Electric folder:



Install JAVA3D

4. Go to:

http://www.oracle.com/technetwork/java/javasebusiness/downloads/java-archive-downloads-java-client-419417.html#java3d-1.5.1-oth-JPR
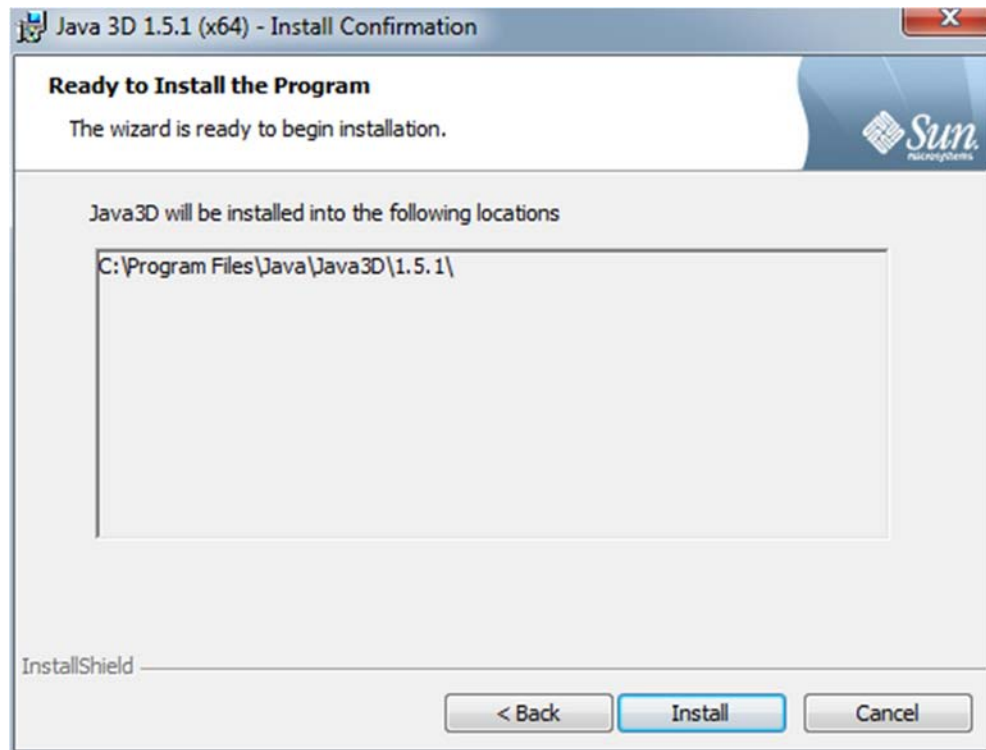
5. Download: java3d-1_5_1-windows-amd64.exe

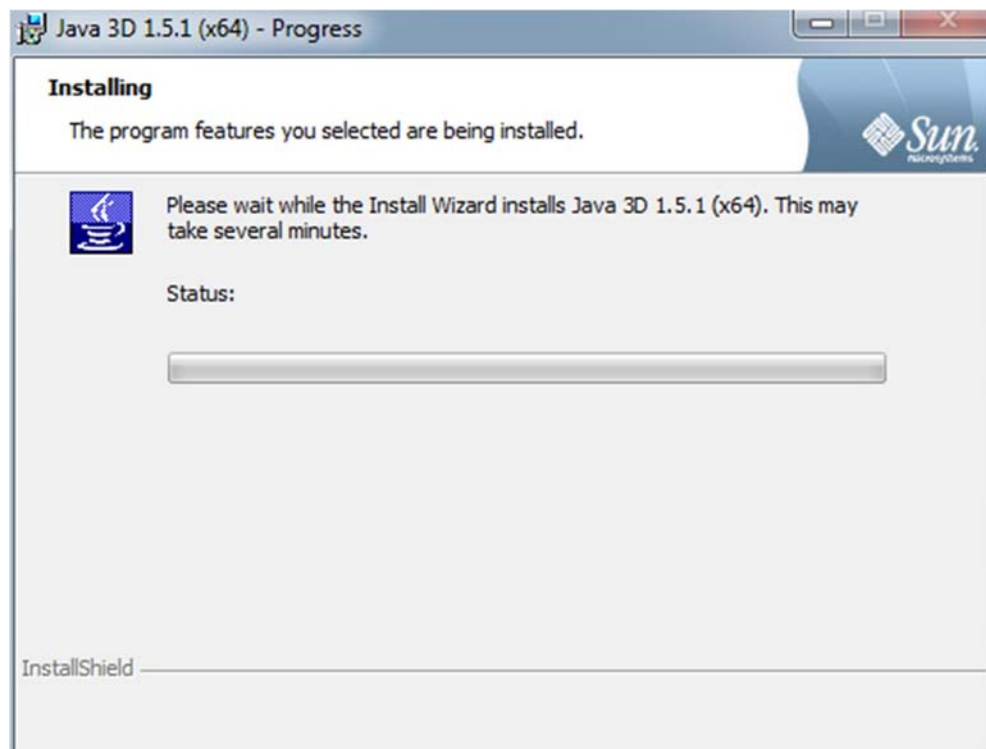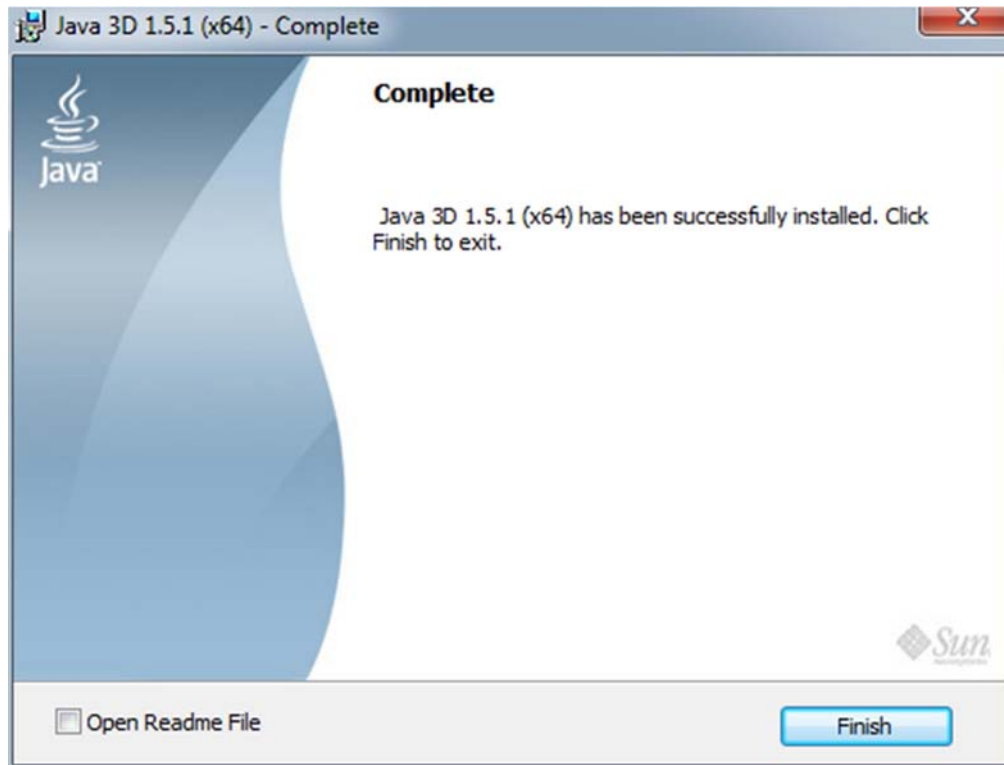6. Install JAVA3D by running java3d-1_5_1-windows-amd64.exe

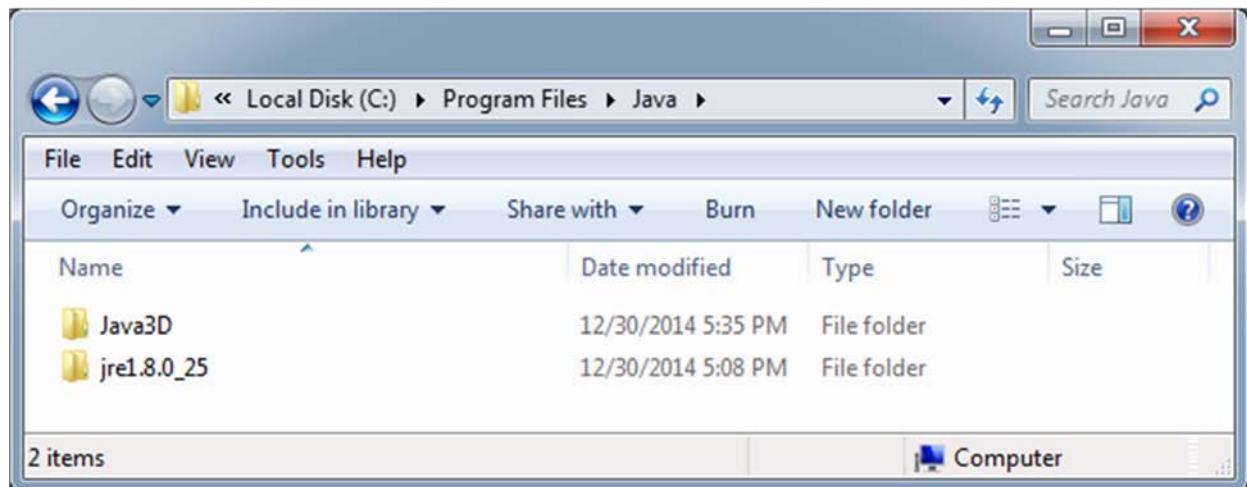a. Click Accept:

b. Click Install:
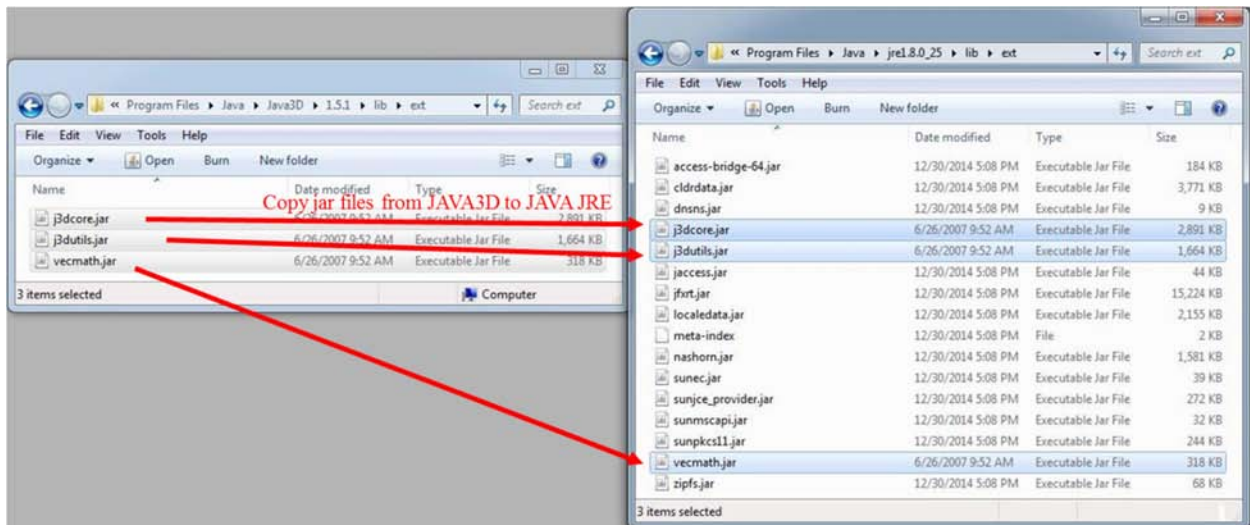


c. Wait while it installs:
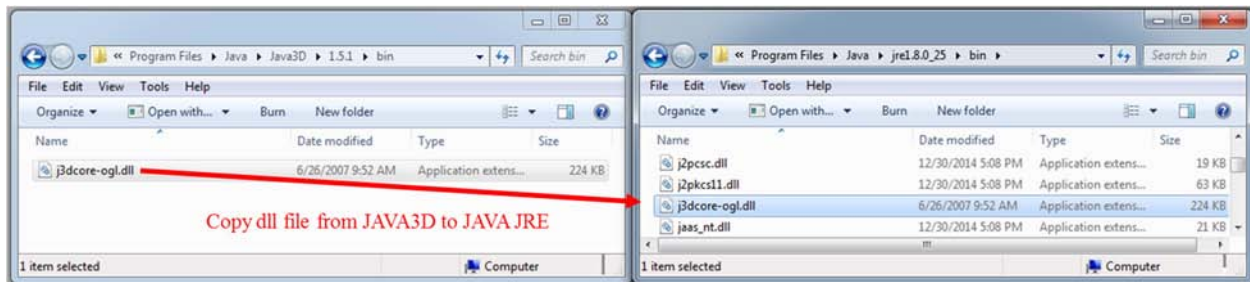
d. When the installation finishes, click Finish:

e. Locate on Windows where JAVA JRE and JAVA3D have been installed.  For this system, they were installed in C:\Program Files\Java:

f. In C:\Program Files\Java\Java3D\1.5.1\lib\ext, there are three files (j3dcore.jar, j3dutils.jar, and vecmath.jar).  Copy these JAVA3D files to the JAVA JRE (i.e., to C:\Program Files\Java\jre1.8.0_25\lib\ext):



g. In C:\Program Files\Java\Java3D\1.5.1\bin, there is one dll file (j3dcore-ogl.dll).  Copy this JAVA3D file to the JAVA JRE (i.e., to C:\Program Files\Java\jre1.8.0_25\bin):
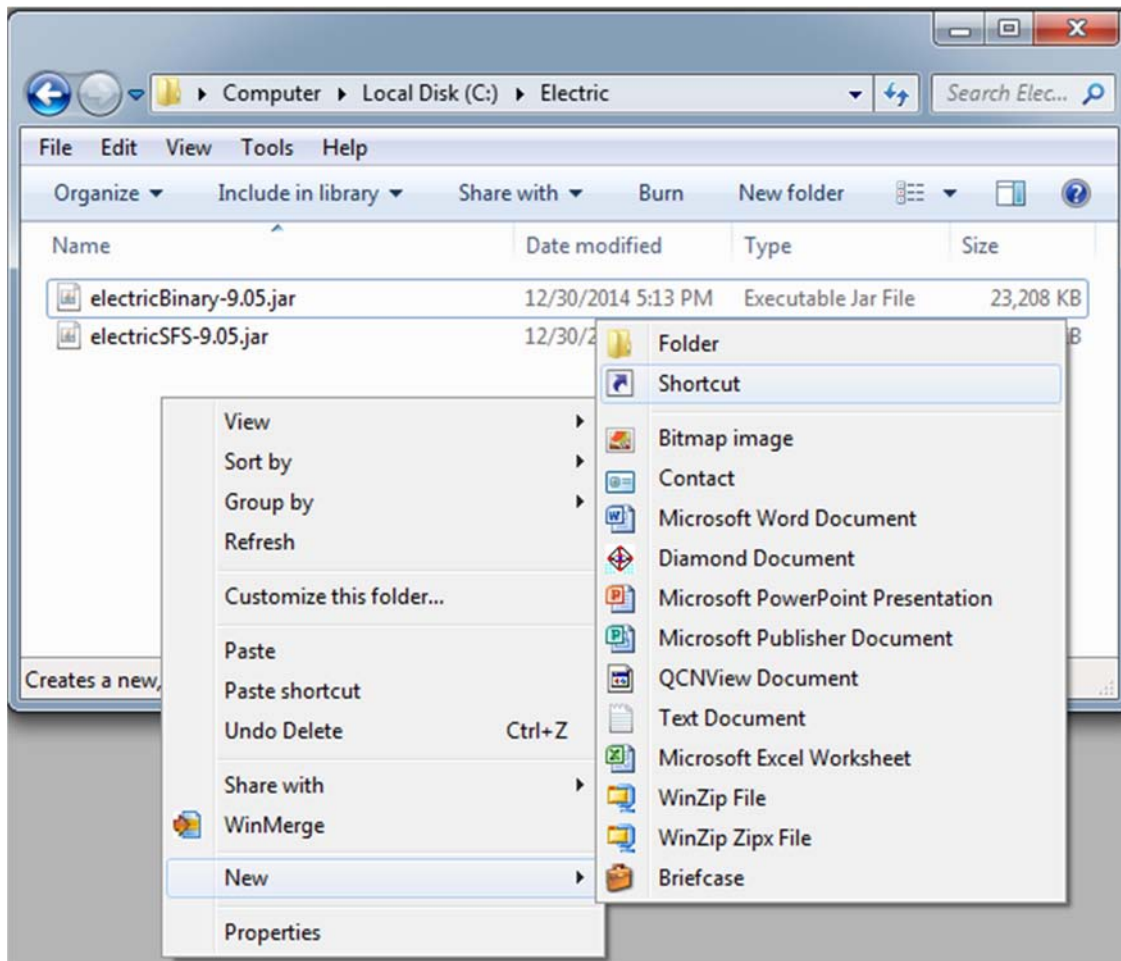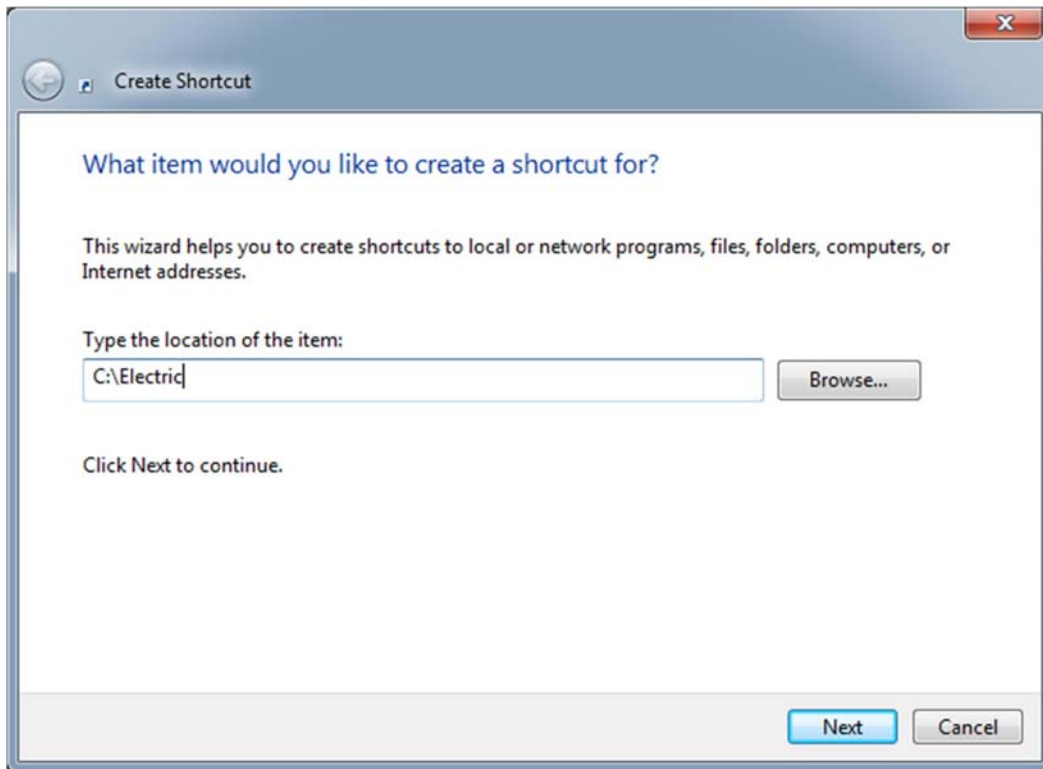


Reference for steps g and f:

http://codinglogbook.com/game-development/how-to-get-java3d-to-work-on-64bit-windows-7-machine/

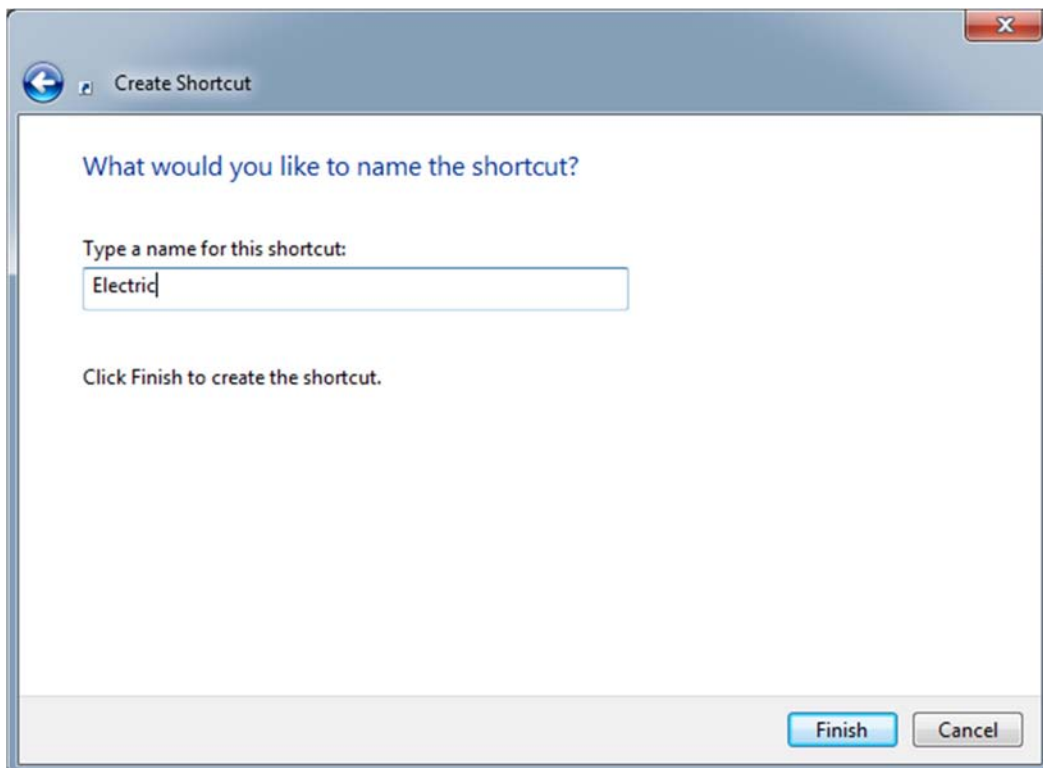Create a Windows Shortcut to Run Electric with the Software Extras

1. Right-click and select New -> Shortcut:

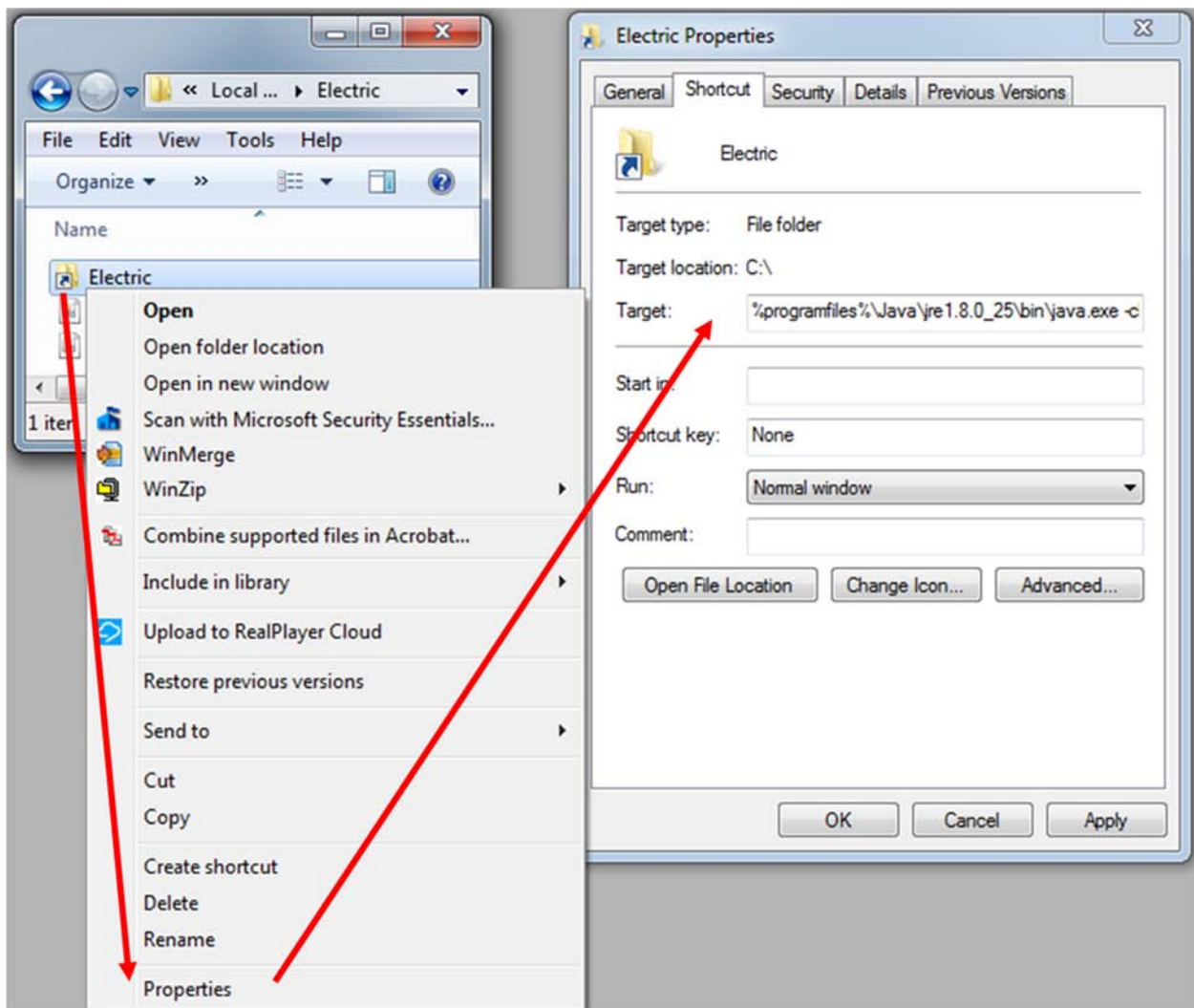2. For the "Type the location of the item", enter C:\Electric, then click Next:

**Create Shortcut**

### What item would you like to create a shortcut for?

This wizard helps you to create shortcuts to local or network programs, files, folders, computers, or Internet addresses.

Type the location of the item:

    C:\Electric              [ Browse... ]

Click Next to continue.

[ Next ]  [ Cancel ]

3. Click Finish:

**Create Shortcut**

### What would you like to name the shortcut?

Type a name for this shortcut:

    Electric

Click Finish to create the shortcut.

[ Finish ]  [ Cancel ]

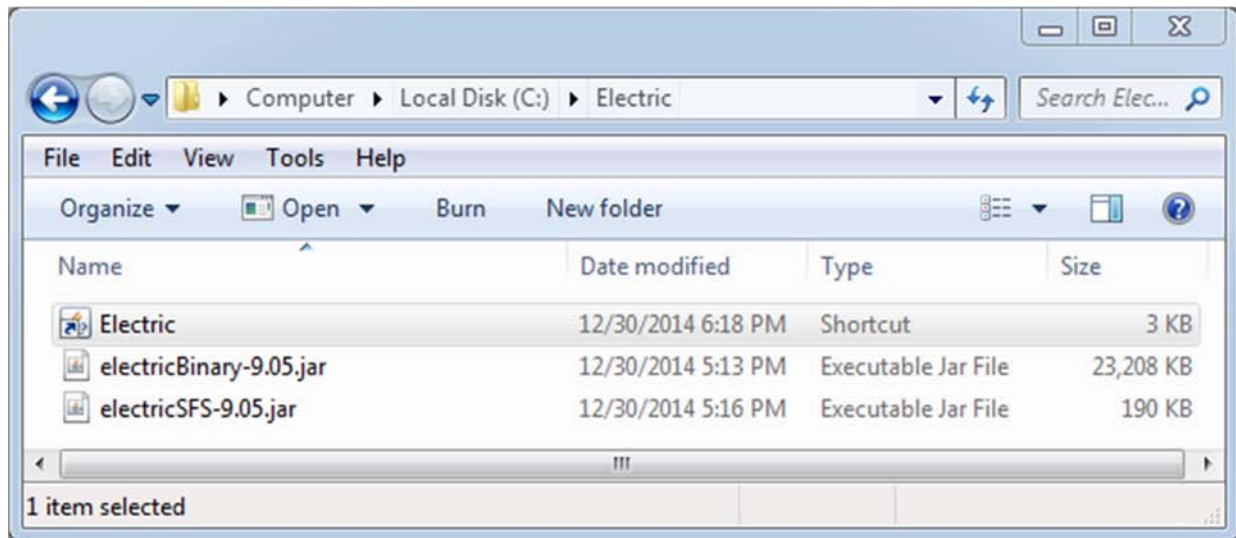4. Right-click on the Electric shortcut and select Properties, then change the Target from C:\Electric to:

%programfiles%\Java\jre1.8.0_25\bin\java.exe -classpath "electricBinary-9.05.jar;electricSFS-9.05.jar" com.sun.electric.Launcher

Then, click OK:

Run Electric

1. Run the Electric shortcut:



2. Go to:

http://cmosedu.com/videos/electric/tutorial1/electric_tutorial_1.htm

3. Get the file tutorial_1.jelib

4. Open tutorial_1.jelib in Electric, select lay in the Explorer tab, then click Window -> 3D Window -> 3D View.  If successful, this will show the 3D View: