

## PBGT Setup Guide

As of 28/11/2015 and using Windows 7 (64-bit)

### 1. Download Eclipse Luna SR2

- 1.1. Go to <https://eclipse.org/downloads/packages/eclipse-modeling-tools/lunasr2>
- 1.2. Choose and click on your Operative System version on the right side
- 1.3. Click on the Download button on the left side



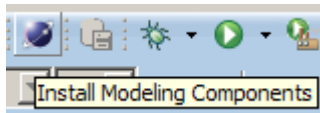
- 1.4. Save the file on your system

### 2. Download PBGT files

- 2.1. Go to <https://paginas.fe.up.pt/~apaiva/pbgtwiki/doku.php?id=tools>
- 2.2. In the Users section, click on the link “zip file for Users (.jar files)”
- 2.3. Save the file on your system
- 2.4. In the next line, click on the link “chromedriver”
- 2.5. Save the file on your system
- 2.6. In the next line, click on the link “SikuliX”
- 2.7. Save the file on your system

### 3. Install Eclipse Modeling Components

- 3.1. Unzip Eclipse (The program is portable, there is no setup).
  - 3.1.1. To avoid the long path error, unzip it to C:\ (Resulting in C:\Eclipse)
- 3.2. Inside the Eclipse folder, double click on eclipse.exe to start Eclipse.
- 3.3. Choose a folder to be your Workspace. Remember it, you will need it later.
- 3.4. Once Eclipse has started, click on the Install Modeling Components button.



- 3.5. Choose Aceleo, Xpand, ATL, Operational QVT, Graphical Modeling Framework Tooling, Xtext, Papyrus, EGF and OCL Tools and click Finish
- 3.6. Click on Select All, click Next 2 times, click on Accept the License Agreement and then click Finish.

3.7. If asked to provide Firewall access, allow it.

3.8. When asked to restart Eclipse, click Yes.

#### **4. Install dropins**

4.1. Extract the .jar files in the downloaded “paradigm-me\_user.zip” to the “dropins” folder in the Eclipse directory

#### **5. Install drivers**

5.1. Extract the Drivers folder inside “drivers.zip” to the workspace folder you are using in Eclipse.

#### **6. Install SikuliX**

6.1. Copy the provided SikuliX folder into the C:\ folder (You should now have C:\SikuliX)

6.2. Execute the “sikuli-setup.jar” and click OK

6.3. Execute runSetup.cmd and click OK (You need JDK 1.7 installed to run this)

6.4. Select the 1<sup>st</sup> and 6<sup>th</sup> option, click on “Setup Now” and then click Yes

6.5. Right-click on Computer and choose Properties (Or go to Computer, right-click on it and choose Properties)

6.6. Click on Advanced System Settings on the left-side

6.7. On the Advanced tab, click on Environment Variables (In the bottom)

6.8. Select PATH, click Edit and add ;C:\SikuliX\libs at the end

6.9. Click OK on the multiple windows opened

#### **7. Create a new project**

7.1. Start Eclipse

7.2. Go to File > New > Java Project (Or File > New > Project and then choose Java Project)

7.3. Give your project a name and click Finish

7.4. Go to File > New > Other, write “Paradigm”, choose “Paradigm Diagram” and then click Next

7.5. Select the Src folder and write a name, keeping the extension .paradigm\_diagram (i.e. example.paradigm\_diagram) and then click Next

7.6. Select the Src folder and write a name, keeping the extension .paradigm (i.e. example.paradigm) and then click Finish