Installation Guide

1. Install Java SDK

Make sure to install Java SE Development Kit 7 for your operating system. Mac OS X users can find some instructions here.
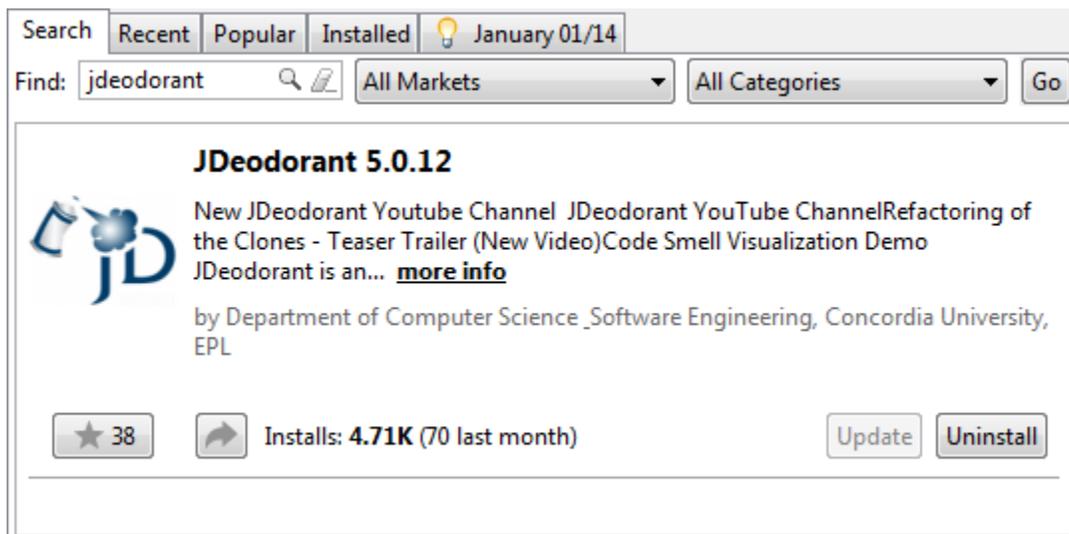
2. Install Eclipse

JDeodorant is compatible with Eclipse versions 3.7.x (Indigo), 4.2.x (Juno), 4.3.x (Kepler). You can download the latest version for your operating system from here.
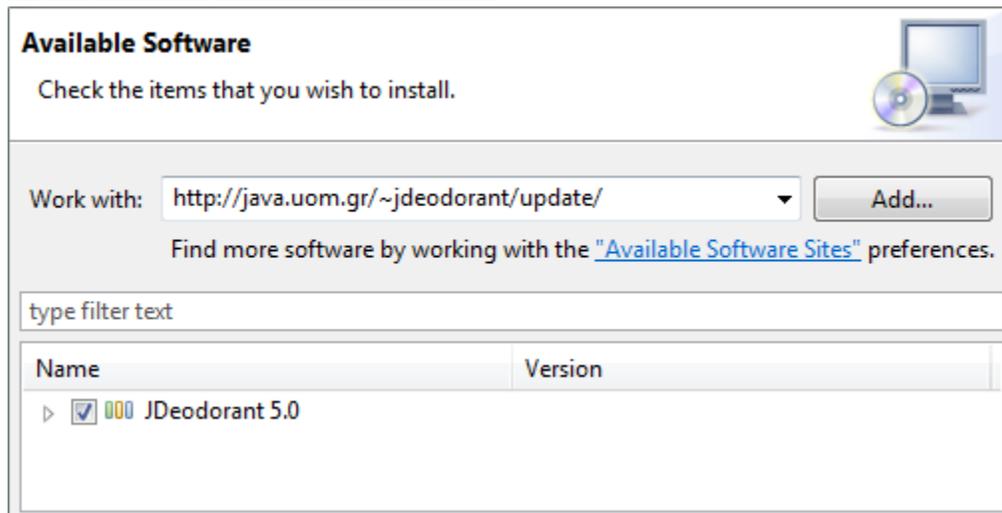
3. Install JDeodorant

The installation of JDeodorant is very easy! You have two options:

a) **Eclipse Marketplace Client**: Go to **Help** -> **Eclipse Marketplace…** , search for JDeodorant in the **Find:** box, and click **Install**.

b) **Eclipse Update Site**: Go to **Help** -> **Install New Software**… and enter the URL
http://java.uom.gr/~jdeodorant/update/ in the **Work with:** box.

4. Configuring JDeodorant

To allow the analysis of large projects, edit the **eclipse.ini** file inside the Eclipse installation folder and add the following parameters.

-vmargs
-Xms128m
-Xmx2048m
-XX:PermSize=128m

You can adjust the –Xmx value according to your Operating System and available memory.
The maximum value for –Xmx argument ranges from 1.4G to 1.6G on **32-bit Windows** systems and is limited to 2G on **32-bit Linux** systems. A higher value for –Xmx argument can be achieved by using a combination of 64-bit operating system, 64-bit Java VM and x86_64 Eclipse SDK release.

To access the eclipse.ini file in **Mac OS X**, right-click the Eclipse application icon, then click **Show Package Contents** to open a new Finder window displaying a Contents folder. Open the Contents folder, and then open the MacOS folder, in which the eclipse.ini file resides.

5. Attach Java source code

If you are using the latest version of Eclipse and JDK, this step is performed automatically.
In any case, go to **Window** -> **Preferences** -> **Java** -> **Installed JREs**
In the list of Installed JREs you should be able to see **jdk1.7.0_xx** as shown in the next Figure.
If not, click on the **Search…** button and point to the directory where JKD is installed (usually in **Program Files\Java** in Windows OS).
If you have multiple Installed JREs make sure that the **jdk1.7.0_xx** is selected as the **default** one.
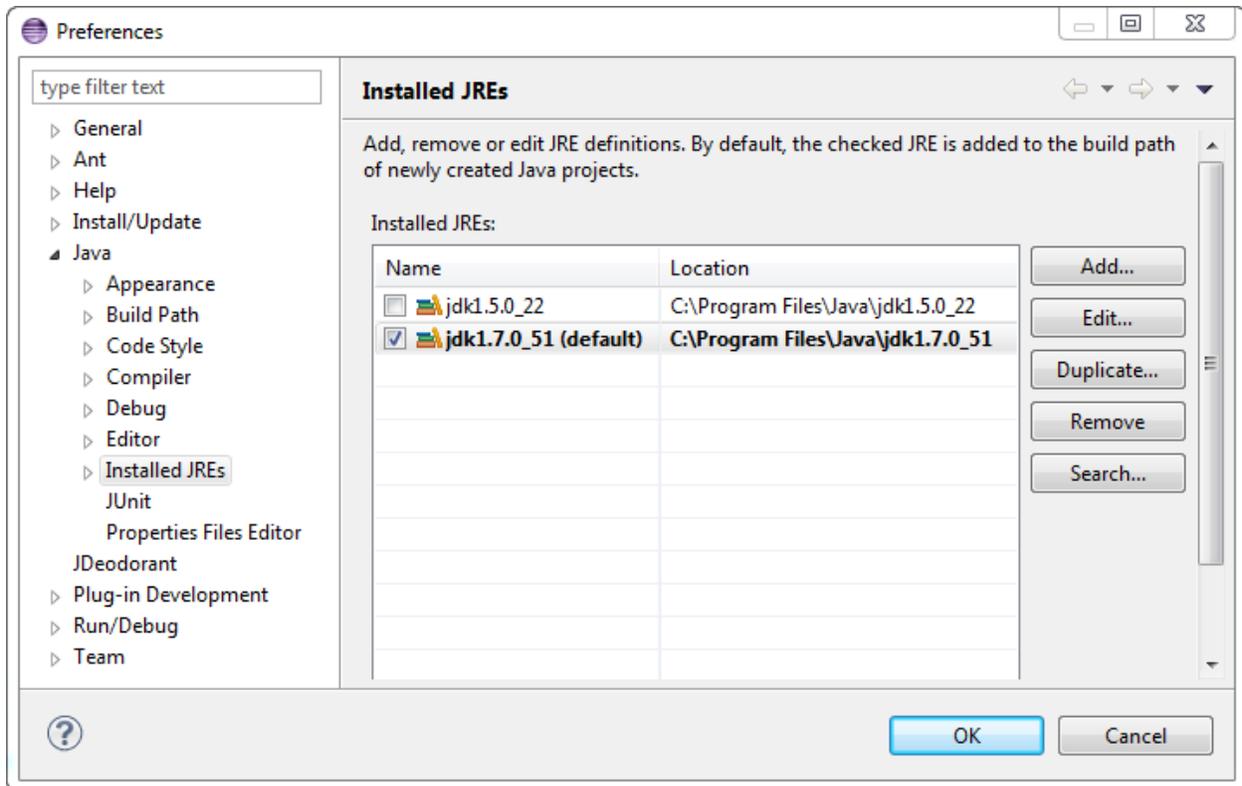
Select **jdk1.7.0_xx** and click **Edit…**
The Java library **rt.jar** should have a **Source attachment** pointing to the Java SDK source code (usually in **Program Files\Java\jdk1.7.0_xx\src.zip** in Windows OS).

If there is no **Source attachment** value, click on the **Source attachment…** button and browse to the location of the **src.zip** file.

More detailed instructions for Windows OS and Mac OS X can be found here.

Edit JRE

JRE Definition
Specify attributes for a JRE

JRE home: `C:\Program Files\Java\jdk1.7.0_51`   [Directory...]

JRE name: `jdk1.7.0_51`

Default VM arguments: [   ]   [Variables...]

JRE system libraries:

- ▷ 🫙 C:\Program Files\Java\jdk1.7.0_51\jre\lib\resources.jar
- ◢ 🫙 C:\Program Files\Java\jdk1.7.0_51\jre\lib\rt.jar
  - 🫙 Source attachment: C:\Program Files\Java\jdk1.7.0_51\src.zip
  - @ Javadoc location: http://download.oracle.com/javase/7/docs/
- ▷ 🫙 C:\Program Files\Java\jdk1.7.0_51\jre\lib\jsse.jar
- ▷ 🫙 C:\Program Files\Java\jdk1.7.0_51\jre\lib\jce.jar
- ▷ 🫙 C:\Program Files\Java\jdk1.7.0_51\jre\lib\charsets.jar
- ▷ 🫙 C:\Program Files\Java\jdk1.7.0_51\jre\lib\jfr.jar

[Add External JARs...]
[Javadoc Location...]
[Source Attachment...]
[Remove]
[Up]

[Finish]   [Cancel]