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VHDLLAB DOCUMENTATION

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Table of Contents

1) Installation

a) Get JRE

Since VHDLLab application is written in Java, the first thing to do is to install *Java Runtime Environment (JRE)*! You can get JRE by visiting JRE download site over at java.sun.com.

- 🔵 Scroll down to where it says *Java Runtime Environment (JRE)* and click on *download* button (there is no need to download *Java SE Development KIT (JDK)* since that package is developer edition and is not needed by common user). JRE version 5 and above are exceptable to download.
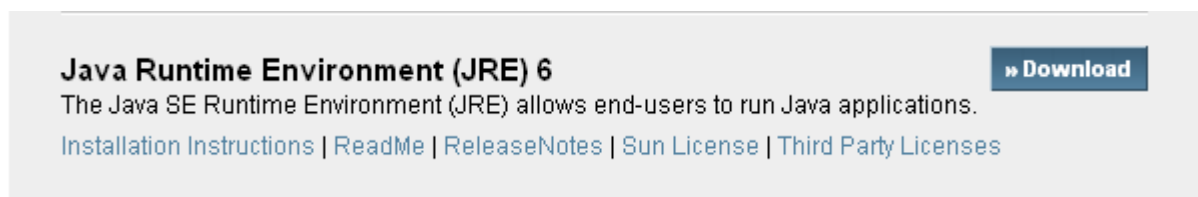

Illustration 1: Current release of Java Runtime Environment is JRE 6

- 🔵 Review License Agreement and click on *Accept* button as shown in *Illustration 2*.

Illustration 2: Accept Licence Agreement

- 🔵 Next select a platform and click on a *Download selected with Sun Download Manager* button as shown in *Illustration 3*.

Illustration 3: Select a platform and click on a Download button

- 🔵 Now you've downloaded JRE you need to install it. If you have any problems downloading and/or installing JRE see Sun FAQ center.

b) Copy '.java.policy'

Next you need to download '**.java.policy**' file and place it in your home directory. You can download '.java.policy' file from <u>aule server</u>. If you already have a file named '.java.policy' in your home directory then simply copy contents of downloaded '.java.policy' and paste them in your existing policy file. This policy file will grant necessary permission to read "*org.apache.commons.logging.LogFactory.HashtableImpl*" system property.

If you dont know how to copy policy file to your home directory or dont even know where your home directory is, read the following.

- 🔵 Open '<u>.java.policy</u>' file in your browser
- 🔵 Select all text, right click and click on Copy button as shown in Illustration 4
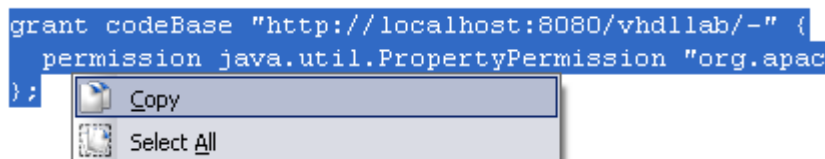

Illustration 4: Copy button in Firefox browser

- 🔵 Now you need to go to your home directory which depends on your operating system
    - ➔ if youre running Windows then your home directory is located on a partition you installed your Windows operating system, followed by directory "Documents and Settings" and finaly in a directory whose name matches a name of currently logged in user. The quickest way to find out your user name is to click on a *Start* button and one menu should be "Log Off *your_user_name*...". To summarize, your path to home directory is most likey the following:

    ```
    C:\Documents And Settings\your_user_name
    ```

    So, now that you know your home directory

2) Extra information

a) Platform dependence

Since VHDLLab is written in Java it is platform independent and therefor it will run on any OS platform supported by Java. Currently Java supports these platforms:

- Windows x86 (most common platform for home user)
- Windows x64
- Linux x86 (any distribution)
- Linux x64 (any distribution)
- Solaris x86
- Solaris x64
- Solaris SPARC

b) Browser dependence

VHDLLab has been tested and runs with no known problems on following browsers:

- Firefox (version 1.5 and above)
- Opera (version 9 and above)

Note that VHDLLab will not run on any version of Microsoft Internet Explorer because IE requires some special (not standardized) piece of code only known to Microsoft in order to properly run Java applet.