JavaCard environment setup (Windows 7)

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(*Source : http://julienb.developpez.com/tutoriels/java/introjavacard/*)

Required software

1) **Eclipse Juno (4.2.1)** : http://www.eclipse.org/downloads/download.php?file=/eclipse/downloads/drops4/R-4.2.1-201209141800/eclipse-SDK-4.2.1-win32.zip&mirror_id=514
2) **JavaCard Development Kit 2.2.2** : http://download.oracle.com/otn-pub/java/java_card_kit/2.2.2/java_card_kit-2_2_2-windows.zip
3) **Eclipse JCDE 0.2** : *http://sourceforge.net/project/showfiles.php?group_id=176931*

Environment installation

4) Unzip *java_card_kit-2_2_2-windows.zip* in *C:\JCDK*
5) Unzip *eclipse-SDK-4.2.1-win32.zip* (location isn't important)
6) Unzip *eclipse-jcde-0.2.zip* in the same folder as Eclipse

Environment variables setup

1. Click on **Start** -> right click on **Computer** -> **Properties** -> **Advanced System settings**
2. Select tab *"Advanced"* and click on *"Environment Variables…"*
3. Add a new user variable named *JC_HOME* with content *C:\JCDK\java_card_kit-2_2_2*
4. Add a new user variable named *JAVA_HOME* with the path of the Java JRE.
5. Edit the **PATH** user variable (if not present, create it) and add

   % JAVA_HOME %;%JC_HOME%\bin

   at the end of the list (each variable should be separated by a semi-colon)

Running the example project

1. Open **Eclipse** and click **File** -> **Import project** -> *Existing project into workspace* -> select "JavaCard" and "Client" projects -> **OK**
2. Open *a command prompt* (cmd.exe) and change the current directory to *JavaCard\bin* (previously imported in Eclipse workspace) using "cd" command.
3. Type the following command to simulate the Java Card :

   ```
   jcwde monapplet.app        ( * )
   ```

4. In Eclipse, in the *Client project*, right click on *JavaCardReader.java* -> **Run as** … -> **Java Application**
5. Enjoy ☺

(*) if the file "monapplet.app" doesn't exist, simply create a new text file with the same name at the same location containing this line :

```
monpackage.MonApplet 0x01:0x02:0x03:0x04:0x05:0x06:0x07:0x08:0x09:0x00:0x00
```