

USER MANUAL

EVOTER SERVER

Bui Thi Diem
Nguyen Van Luong
Nguyen Thi Mai

Software Engineering for Ambient Intelligence
Telecom-Sudparis

Content

1. Software Installation
2. Setup environment
3. Start server

1. Software Installation

- a. Java JDK minimum 1.6
 - Download and install JDK package
 - Set up JAVA_HOME environment:

Windows:

1. Right-click the **My Computer** icon on your desktop and select **Properties**.
2. Click the **Advanced** tab.
3. Click the **Environment Variables** button.
4. Under **System Variables**, click **New**.
5. Enter the variable name as JAVA_HOME.
6. Enter the variable value as the installation path for the Java Development Kit. For example: C:\Program Files\Java\jdk1.7.0_25
7. Set path: PATH=PATH;%JAVA_HOME%\bin
8. Click **OK**.
9. Click **Apply Changes**.
10. Close any command window which was open before you made these changes, and open a new command window. Open a new command line and enter java and javac.

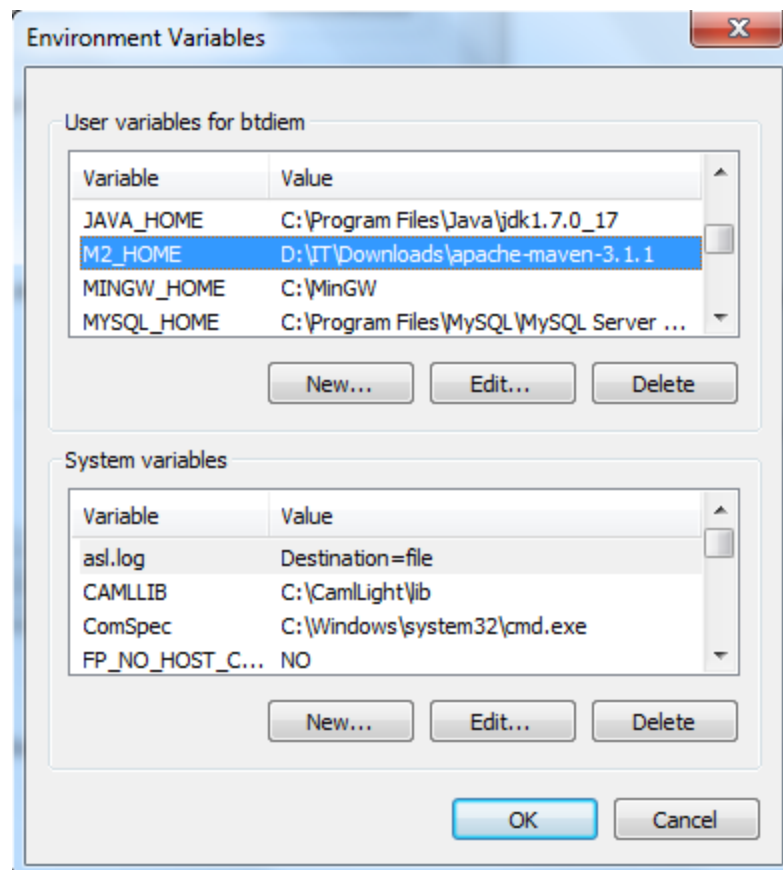
Linux:

1. Login to your account and open .bash_profile file: `$ vi ~/.bash_profile`
2. Set JAVA_HOME as follows using syntax **export**
JAVA_HOME=<path-to-java>. If your path is set to /usr/java/jdk1.7.0_25/bin/java, set it as follows:
 - a. `export JAVA_HOME=/usr/java/jdk1.7.0_25/bin/java`
3. Set PATH as follows:
 - a. `export PATH=$PATH:/usr/java/jdk1.7.0_25/bin`

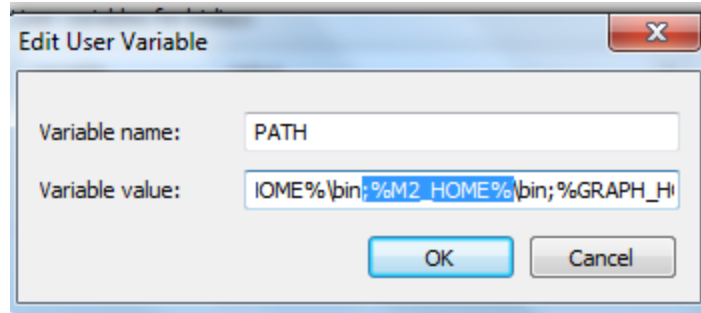
4. Save and close the file.
5. Verify new setting:
 - a. `echo $JAVA_HOME`
 - b. `echo $PATH`
 - c. `$ which java`
- b. Maven 3.1
 - Download and install maven
 - Setup Maven home environment:

Windows:

1. Add a new `MAVEN_HOME` variable to the Windows environment, and point it to your Maven folder.



2. Update `PATH` variable, append "Maven bin folder" path, so that you can run the Maven's command everywhere.



Linux:

1. Login to your account and open .bash_profile file: `$vi ~/.bash_profile`
2. Export M2_HOME :

`export M2_HOME=/home/[username]/apache-maven-3.1.1`

3. Update path: `PATH=$M2_HOME:$PATH`

- c. MySQL server 5.1.x
- d. Git 1.8.x

Windows:Download and extract package.

Linux: Enter command : `sudo apt-get install git`

2. Setup environment

a. Server Configuration:

- i. Open `/evoter_server/src/main/resources/connection.properties` to change ip address and port of server.

```
1 #Not be changed
2 connection.context=evoter
3 #Set an ip address for server
4 connection.ip=157.159.42.152
5 #Set an port to run server
6 connection.port=1000
```

b. Database installation and configuration

- i. Windows: Execute `/evoter_server/create_tables.bat`.
- ii. Other OS:

1. Open MySQL command line or go to installation directory of MySQL.(for example:`/usr/local/mysql/bin/mysql`)

2. Enter command : `mysql -h <host> -u <user> -p >`
`<path>/db/create_tables.sql`
host: ip address of computer installed MySQLserver.
user: MySQL user account.
path: absolute path of `/evoter_server/db/create_tables.sql`
3. Enter command: `mysql -h <host> -u <user> -p >`
`<path>/db/create_tables_test.sql`
Input parameter are similar above.

3. Start server

a. Windows

- i. Execute file : `/evoter_server/start_server.bat`

b. Other OS

- i. - Go to `/evoter_share`.
- ii. - Enter command: `mvn clean install`
- iii. - Go to `/evoter_server`
- iv. - Enter command: `mvn clean install test exec:java`