USER MANUAL

EVOTER SERVER

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Content

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.
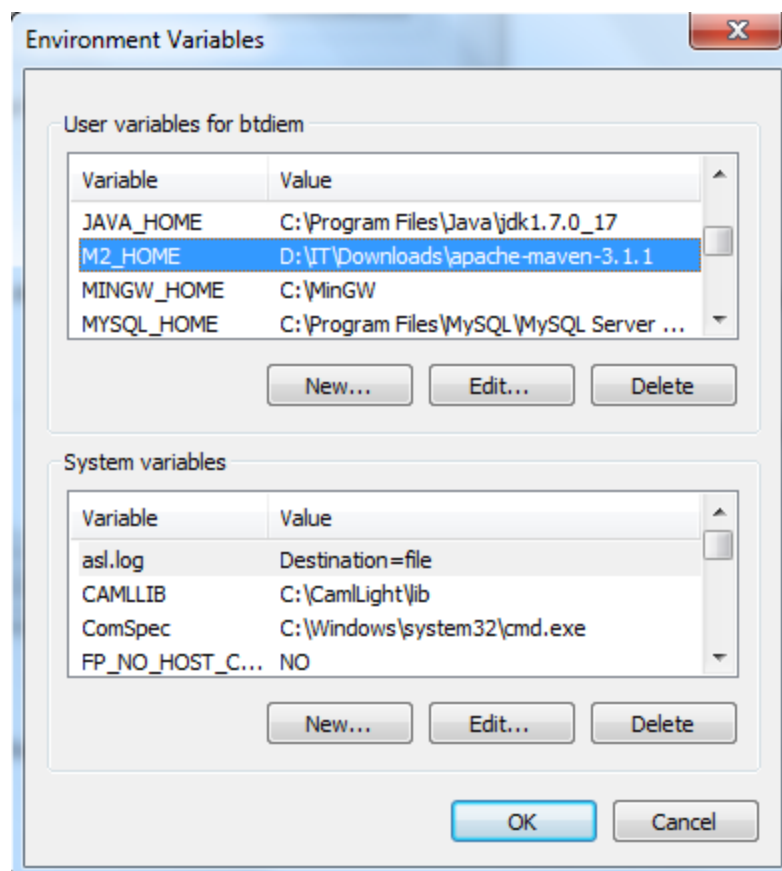
Linux:

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
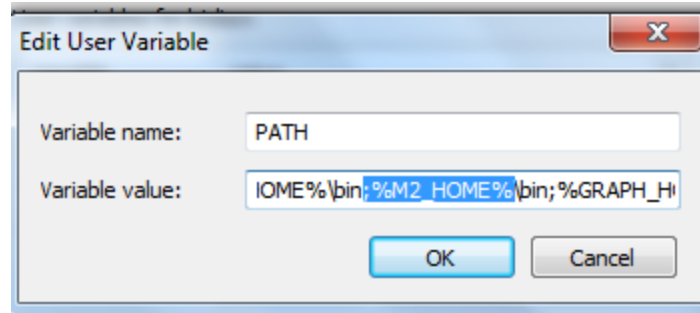
4. Save and close the file.

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/drop_and_create_database_4_testing.bat

   /evoter_server/drop_and_create_database_4_running.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

 4. Windows

  a. Execute file : /evoter_server/start_server.bat
 5. Other OS

  a. - Go to /evoter_share.
  b. - Enter command: mvn clean install
  c. - Go to /evoter_server
  d. - Enter command: mvn clean install test exec:java