jOpenbravo Setup

Openjdk 7

Tomcat 6

Ant latest version

Postgresql 9.3, postgresql-contrib

Install Mercurial

Clone Openbravo Source code

Openbravo Setup

Openbravo Eclipse

Openbravo Development Stack Installation on Ubuntu

References:
Development Environment Setup

http://wiki.openbravo.com/wiki/ERP/2.50/Developers_Guide/Development_Environment

Stack Setup (more detailed steps) – follow this link for detailed steps on installing the entire development stack

http://wiki.openbravo.com/wiki/ERP/2.50/Openbravo_environment_installation#PostgreSQL_database

- Note : Please type the **Commands**, *Copy*ing instead.

Openjdk 6

1. Installing Java with apt-get is easy. First, update the package index

   sudo apt-get update

2. Then, check if Java is not already installed:

   java -version

3. If it returns "The program java can be found in the following packages", Java hasn't been installed yet, so execute the following command

   sudo apt-get install openjdk-6-jre
   sudo apt-get install openjdk-6-jdk

4. To check whether it is installed check by

   java -version

   It will return as

   java version "1.6.0_38"

   OpenJDK Runtime Environment (IcedTea6 1.13.10) (6b381.13.100ubuntu0.12.04.1)

   OpenJDK 64/32Bit Server VM (build 23.25b01, mixed mode)

5. To set JAVA_HOME path

   Check it by *echo $JAVA_HOME* , it should return the path ..if not the path is not set. Now you have to set the path.To know your java path type

   sudo update-alternatives --config java

Then you will get the path set that path in profile file by

Command:sudo nano /etc/environment

6. The load the file with changes in terminal by

source /etc/environment

sudo reboot to restart the system.

7. Check the java path again, you will get the path.

Tomcat

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1. Install Tomcat as follows

sudo apt-get install tomcat6 tomcat6-admin

2. Start the Tomcat instance using the following command

sudo /etc/init.d/tomcat6 start

3. Verify that it is working by trying to access it from the browser using

http://localhost:8080/

4. Set the CATALINA_HOME and CATALINA_BASE properties as follows

echo 'CATALINA_HOME="/usr/share/tomcat6"' | sudo tee -a /etc/environment
echo 'CATALINA_BASE="/var/lib/tomcat6"' | sudo tee -a /etc/environment

5. Stop the Tomcat instance

sudo /etc/init.d/tomcat6 stop

6. Set JAVA_OPTS in the /etc/default/tomcat6 file

echo 'JAVA_OPTS="-Djava.awt.headless=true -Xms512M -Xmx1024M -XX:MaxPermSize=512M"' | sudo tee -a /etc/default/tomcat6

(Be careful about this command… Otherwise tomcat server stops working.)

7. Execute the following to make the changes available in the current terminal

   source /etc/environment

8. Copy tools.jar to two locations as follows

   sudo mkdir /var/lib/tomcat6/lib

   sudo cp $JAVA_HOME/lib/tools.jar /var/lib/tomcat6/lib/

   sudo cp $JAVA_HOME/lib/tools.jar /usr/share/tomcat6/lib/

9. Open the context.xml file at /var/lib/tomcat6/conf using the following command

   sudo gedit /var/lib/tomcat6/conf/context.xml and comment the line

   <!-- <WatchedResource>WEB-INF/web.xml</WatchedResource> -->

10. Configure the Tomcat Admin Console manager user by adding the following entry in

    etc/tomcat6/tomcat-users.xml file

```
<tomcat-users>
        <role rolename="manager"/>
        <role rolename="admin"/>
        <user username="admin" password="admin" roles="admin,manager"/>
</tomcat-users>
```

11. Edit the /etc/init.d/tomcat6 file using

    sudo gedit /etc/init.d/tomcat6

    Search for **umask 022** and replace it with **umask 002**.

12. Create a policy file for Openbravo at /etc/tomcat6/policy.d

sudo gedit /etc/tomcat6/policy.d/20openbravo.policy

and add the following lines

```
// permissions for Openbravo ERP
grant codeBase "file:${catalina.base}/webapps/openbravo/-"
{
        permission java.security.AllPermission;
};
```

Note : The filename and the entry in the file should match the web context (openbravo in this case) at which the application is being deployed.

Start Tomcat and see if the welcome page appears and you are able to access the admin console using the user credentials set in the *tomcat-users.xml* file above.

Apache Ant

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1. Install the package as follows

sudo apt-get install ant ant-optional

2. Set the ANT_HOME and ANT_OPTS variables

echo 'ANT_HOME="/usr/share/ant"' | sudo tee -a /etc/environment

echo 'ANT_OPTS="-Xmx1024M -XX:MaxPermSize=512M"' | sudo tee -a /etc/environment

3. Execute the following to make the changes available in the current terminal

   source /etc/environment

4. Test whether ant is configured properly by typing the following

   ant -version

5. Restart the system.

Postgresql-9.3

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1. Install Postgresql using the following command

   sudo apt-get install postgresql-9.3 postgresql-contrib-9.3

2. To set the admin password, login to the psql console as follows

   sudo su - postgres -c psql

3. Change the password to '*saksham*'

   alter role postgres with password 'saksham';

   and quit the psql console by entering **\q** after setting the password.

4. Install the admin gui-based tool – PGAdmin3

   sudo apt-get install pgadmin3

Mercurial

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1. Thank god, only one step is there

   sudo apt-get install mercurial

Clone Openbravo Source code

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1. cd /opt/

   hg clone https://code.openbravo.com/erp/devel/main/

   abort: Permission denied: '/opt/pi' ??

   sudo chmod -R 777 /opt/

2. Configure the properties appropriately, specifically the database details to match the Postgresql installation done above.

3. Open /opt/pi/config

   Rename template files
   [remove *.template* (four files contain this as extension), before doing that copy those files]

   Configure Openbravo.properties as follows

   source.path=/opt/pi [line 49]
   bbdd.sid=pi
   bbdd.systemUser=postgres
   bbdd.systemPassword=saksham
   bbdd.attach.path=/opt/pi/attachments [line 43]user=saksham

   bbdd.password=saksham [line numbers 77 - 81]

4. It is also necessary to allow the user running the Openbravo application read/write access to the Tomcat webapps folder. And similarly the Tomcat6 user should also have access to Openbravo files.

   sudo chmod -R 777 /var/lib/tomcat6/webapps

5. Add the ‘saksham' user (i.e. the logged in user who is performing the installation) to the tomcat6 group so that the application can be deployed into the webapps folder.

   sudo chmod -R 777 /opt/pi

6. Add the tomcat6 user to the 'saksham' group (the user group of the logged in user performing the installation).

   sudo gpasswd -a saksham saksham

7. Move to the /opt/pi folder and run the following

   ant setup

   ant install.source

8. This should build the packages and deploy Openbravo ERP onto Tomcat. Check whether everything is working by using the URL

   http://localhost:8080/openbravo

Openbravo Eclipse

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1. Download Eclipse from https://eclipse.org/downloads/packages/release/Galileo/SR2

   * Be careful about architecture 32/64 - bit

2. Place it in /opt/ folder (need sudo permissions)

   sudo tar -xzvf [archive file]

3. cd /usr/share/applications/

4. **sudo nano eclipse.desktop**

5. **[Desktop Entry]**
   Name=Eclipse
   Name[en]=Eclipse
   Comment=Integrated Development Environment
   Type=Application
   Exec=/opt/eclipse/eclipse
   Icon=/opt/eclipse/icon.xpm
   Terminal=false
   NoDisplay=false
   Categories=Development;IDE

   Press Esc
   :wq

Import Openbravo project in Eclipse

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1. Create workspace[folder] in directory */opt/*

2. **cd /opt/eclipse**

   ./eclipse

3. Select the workspace while opening the Eclipse

4. Right click → Import → Import → General → Existing Projects into Workspace → Next

   Select root directory as */opt/pi* → Finish

* Wait until Building Workspace completed {Bottom right Corner}
* Tomcat Server should be stopped before Importing

5. Similarly Import /opt/pi/src-core , /opt/pi/src-trl , /opt/pi/src-wad

6. Create & Configure the Server

   Select Server Tab → Right Click → New → New Server → Select Tomcat 6.0 in Apache → Next → Add All [which select openbravo] → Finish

7. Double on the Created Server to Configure

   Open launch configuration → Arguments →Add this line to the existing **VM arguments**

   -server -Djava.awt.headless=true -Xms384M -Xmx1536M -XX:MaxPermSize=256M

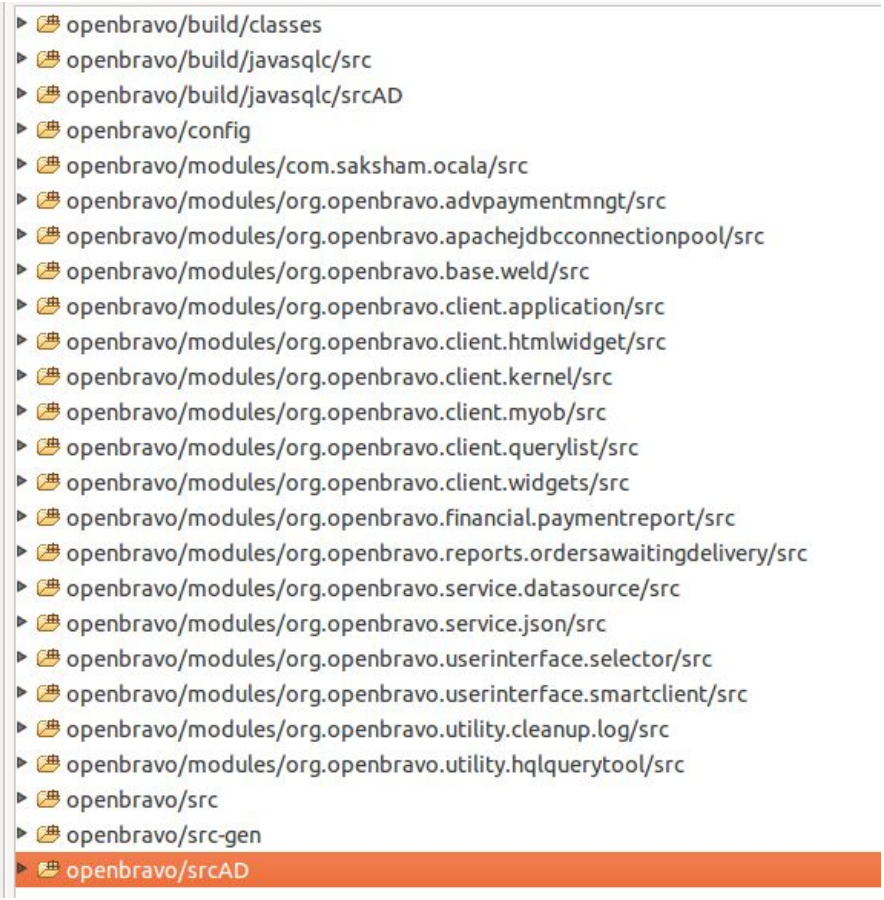
   Change the Timeout Start and Stop as 450
   Ports as Tomcat admin port : 8005
   HTTP/1.1 : xxxx[your wish]

   Not showing ports ? Restarting System may Help

8. Right Click on openbravo → Properties → Java Build Path → Source → Add Folder

   It opens a popup to add src files

   Select src files of the list given below



9. Select all the openbravo folders and Refresh them

10. Project → Clean → Clean All → OK

11. Start the Eclipse Server

12. Open http://localhost:xxxx/openbravo/

13. Login with Openbravo and openbravo

YEAH!!!!! YOU ACHIEVED IT...ENJOY WORKING WITH OPENBRAVO.....
