

Randr Salesportal with Ubuntu 6.06 LTS Linux (Version 1.1.3)

Directions for installing Ubuntu, major components(Sun Java, PostgreSQL, and Apache Tomcat), and salesportal. Instead of running a dedicated server for salesportal, this allows the user to run salesportal on a desktop machine. If desired this desktop could be hooked up and accessed as a server remotely also.

Step One: Installing Ubuntu

1. Download Ubuntu 6.06 LTS and burn to CD. These directions should work with other versions of Ubuntu, but we have not tested them. We have found this version installs easily and supports most hardware.
www.ubuntu.com.
2. Boot from CD into Ubuntu Live Enviroment.
3. Click on the Install icon on the desktop.
4. Proceed through install.

Step Two: Updating Ubuntu and Configuring Package Repositories

1. Make sure you have a working network connection*, then choose **System > Administration > Update Manager**. Enter the same password you created for your account. Once the Software Update window appears click on Check, then click on Install Updates. Depending on your network speed this can take a little while (about 208 MB of downloads). This will update your system to the most current version of the packages in this release.
2. Configure your package manager to look at the multiverse of available packages. Choose **System > Administration > Synaptic Package Manager**. In the Synaptic Package Manager choose **Settings > Repositories**. Scroll down the list and Select Ubuntu 6.06 LTS binaries. Then click on Edit. Check all components(Officially supported, Restricted Copyright, Community maintained, and Non-free. Check Ubuntu 6.06 LTS Backports (binaries). Click OK. Close Preference Window. Click on Reload Icon at top of Synaptic. Most of the software we load in the next three steps will be through the Synaptic Package Manager.

Step Three: Installing PostgreSQL

1. In Synaptic, search for postgresql. Check postgresql-8.1 and mark for installation(accept dependencies).
2. In Synaptic, search for pgadmin3. Check pgadmin3 and mark for installation(accept dependencies).
3. Click on the Apply Icon at the top of Synaptic.
4. Click **Applications > Accessories > Terminal**. Inside the terminal type the following (replace *password* with your password):

```
sudo su postgres -c psql template1
ALTER USER postgres WITH PASSWORD '*password*';
\q
```

5. Close terminal, later we will use pgadmin3 to manage the database.

Step Four: Installing Sun Java

1. In Synaptic, search for sun-java5-jdk. Check sun-java5-jdk and mark for installation(accept dependencies).
2. Click on the Apply Icon at the top of Synaptic. Agree to Terms and forward.
3. Open terminal and enter the following `sudo update-alternatives --config java`. Select the option with java 1.5.0

Step Five: Installing Apache Tomcat

1. In Synaptic, search for Tomcat5. Check and mark tomcat5, tomcat5-admin, and tomcat5-webapps for installation(accept dependencies).
2. Click on the Apply Icon at the top of Synaptic.
3. Open a terminal. Enter the following `sudo gedit /etc/default/tomcat5`. Change the following line `#JAVA_HOME=/usr/lib/jvm/java-gcj` to `JAVA_HOME=/usr/lib/jvm/java-1.5.0-sun`. Change the following line `#TOMCAT5_SECURITY=yes` to `TOMCAT5_SECURITY=no`. Save the file.
4. Enter the following `sudo gedit /var/lib/tomcat5/conf/tomcat-users.xml`. Add the following roles `<role`

`rolename="admin" /> and <role rolename="manager" /> . Then add the admin and manager role to the tomcat user <user username="tomcat" password="tomcat" roles="tomcat,admin,manager" />. Save the file.`

4. To start tomcat enter `sudo /etc/init.d/tomcat5 start` . Open a browser and go to <http://localhost:8180> to make sure the installation is successful. You should see a tomcat start page.

Step Six: Installing Salesportal

1. Download Salesportal from SourceForge (http://sourceforge.net/project/showfiles.php?group_id=181752) or Randr Site (http://www.randrinc.com/randrportal/graphics/orderportal/SalesPortal_Tomcat5-Geronimo_1.1.3.zip) .
2. Unzip download. Unzip `db_scripts_x.y.z.zip`. Open a terminal and enter `sudo pgadmin3`. Click on **File > New Server**. Enter localhost for Address. Enter 'PostgreSQL Server' for Description. Enter the password configured above. This connects pgAdmin 3 to the actual postgresSQL server. Then highlight PostgreSQL Server on the left and right click selecting New Object > New Database. Enter salesportal as the db name. Elect postgres as the owner. Template1 as the template. This creates your database.
3. Expand the database tree on the left. Highlight salesportal. Click on **Tools > Query Tools**. Click on **File > Open** and open `1_table_script.sql`. Click on the green arrow pointing to the right to run the script. Repeat the **File > Open** and run script with the next 3 files – `2_alter_script.sql`, `3_index_script.sql`, and `4_initial_data_script.sql`.
4. Rename .war file to salesportal.war. Open the browser and navigate to <http://localhost:8180>. Choose Tomcat Manager and log in. Under WAR file to deploy, browse to salesportal.war, click deploy. Click on the salesportal link and you will be presented with the login screen for the application.
5. To directly access the Sales Portal, open the browser and navigate to <http://localhost:8180/salesportal>. We recommend you bookmark this in your favorites or save this link to your desktop.

- Network Troubleshooting help --

In progress.

References:

PostgreSQL installation - <http://hocuspok.us/journal/postgresql-on-ubuntu-linux-how-to-updated>
PostgreSQL installation - http://weblogs.java.net/blog/cayhorstmann/archive/2006/07/installing_glas.html
Sun Java installation - http://weblogs.java.net/blog/cayhorstmann/archive/2006/07/installing_glas.html
Sun Java installation - <http://blixtra.org/blog/2006/07/14/setting-up-tomcat-5-on-ubuntu-606/>
Apache Tomcat Installation - <http://blixtra.org/blog/2006/07/14/setting-up-tomcat-5-on-ubuntu-606/>

Changes:

Version 1.1.3 – initial write up.