

Install Adempiere ERP on Ubuntu Karmic Koala

Written by Administrator

Sunday, 25 April 2010 20:16 - Last Updated Wednesday, 06 October 2010 12:25

Adempiere is an open source ERP solution which is another fork of the popular Compiere ERP. In any case, it took me a while to figure out the installation as the Adempiere site does not have a very clear installation procedure. So to help me remember and probably help out others, I have compiled below the steps to install Adempiere. There are only a few requirements for Adempiere to work, Java, Postgres (my preference), and Adempiere. If you are installing on Ubuntu Server Edition, you need to install X11, I have included it here.

So let's go.

STEP 1: Install Ubuntu 9.10 (Karmic Koala)

Won't explain how to download and install Ubuntu, except to mention that when you use Ubuntu Server, don't install anything if you want Adempiere to use port 80 except maybe OpenSSH if you are going to access via putty. Please set your server to use a static IP address, as the same IP will be used in the setup.

Update: works with Ubuntu Lucid (10.04)

Install Adempiere ERP on Ubuntu Karmic Koala

Written by Administrator

Sunday, 25 April 2010 20:16 - Last Updated Wednesday, 06 October 2010 12:25

STEP 2: UPDATE Ubuntu

```
$sudo apt-get update          <--- Update package list
$sudo apt-get upgrade        <--- Upgrade to latest packages
```

STEP 3: Setup an Adempiere user (optional).

The steps creates a user 'adempiere' and makes it a member of admin
Setup a dedicated adempiere user to handle Adempiere.

```
$ sudo adduser adempiere      <--- name of user to manage Adempiere
$ sudo adduser adempiere admin <--- add to admin group
```

Login as user **adempiere**.

STEP 4: Get all Downloads

Download in one go all the necessary components. The gdm is necessary in the installation of Adempiere, however, if you are using Ubuntu Desktop, you may skip this step.

Note: In Ubuntu Lucid, Sun Java has been moved to the Partner repositories, so just activate this in your sources list.

```
$ sudo apt-get install xorg gdm gnome-core <--- Get graphical user interface (for Ubuntu
Server install only)
$ sudo apt-get install postgresql sun-java6-jdk sun-java6-fonts sun-java6-jre sun-java6-plugin
wget unzip <-- Get Postgres, Java, wget, and unzip
```

Install Adempiere ERP on Ubuntu Karmic Koala

Written by Administrator

Sunday, 25 April 2010 20:16 - Last Updated Wednesday, 06 October 2010 12:25

```
$ wget
```

```
http://downloads.sourceforge.net/project/adempiere/ADempiere%20Official%20Release/Adempiere%203.4.2-stable/Adempiere_342s.zip?use_mirror=cdnetworks-us-2 <--- download latest stable version of Adempiere
```

Note: if you are not comfortable with wget, you can download the Adempiere files [here](#) .

update: You may replace this with the latest version Adempiere LTS (3.6.0)

STEP 5: Setup the environment

Edit /etc/hosts and add a Fully Qualified Domain Name (fqdn) like adempiere.company.com to identify the adempiere machin

```
127.0.0.1 localhost
```

```
127.0.1.1 adempiere
```

```
192.168.0.1 adempiere.company.com <-- change to your ip address, add your ip as host, you need this to be able to access from outside your server
```

Add the ff at the end of your /etc/profile, so that whenever you login it will be set.

```
$ sudo nano /etc/profile <---- store here to declare variables globally
```

```
export JAVA_HOME="/usr/lib/jvm/java-6-sun" <---- declare JAVA_HOME environment variable
```

Install Adempiere ERP on Ubuntu Karmic Koala

Written by Administrator

Sunday, 25 April 2010 20:16 - Last Updated Wednesday, 06 October 2010 12:25

```
export ADEMPIERE_HOME="/opt/Adempiere" <---- declare ADEMPIERE_HOME
environment variable
```

Edit your pg_hba.conf to reflect the changes in bold font.

```
$ sudo nano /etc/postgresql/8.4/main/pg_hba.conf <---- add your host in trusted list for
Postgres
```

```
# IPv4 local connections:
```

```
host all all 127.0.0.1/32 md5
```

```
host all all 192.168.0.161/24 trust <<<<---- use your ip address here
```

Edit your postgresql.conf. Look for listen_addresses and uncomment it i.e. remove the # (comment) and replace localhost by a '*' to allow it to listen to any hosts.

```
$ sudo nano /etc/postgresql/8.4/main/postgresql.conf
```

```
listen_addresses = '*' <---- to allow postgres to listen from other hosts
```

Restart Postgres

```
$ sudo /etc/init.d/postgresql-8.4 restart <--- restart to effect changes
```

```
$ sudo unzip Adempiere_342s.zip -d /opt <---- unzip Adempiere program to /opt directory, if
you don't want to use /opt make sure to make necessary changes to $ADEMPIERE_HOME
```

STEP 6: Setup up the Database (Postgres)

```
$ sudo su - postgres <--- switch to postgres user
```

```
$ /usr/bin/createdb adempiere <---- create adempiere database
```

```
$ /usr/bin/createuser adempiere <---- create user adempiere
```

```
$ echo "ALTER USER adempiere WITH PASSWORD 'yourpw';" | psql <---- create a password
for user adempiere and pipe it to psql
```

```
$ psql -h localhost -d adempiere -U adempiere <
```

```
$ADEMPIERE_HOME/data/Adempiere_pg.dmp <---- import/create database schema to be
used by Adempiere
```

```
$ exit <---- switch back to adempiere user
```

Install Adempiere ERP on Ubuntu Karmic Koala

Written by Administrator

Sunday, 25 April 2010 20:16 - Last Updated Wednesday, 06 October 2010 12:25

STEP 7: Install Adempiere

```
$ cd $ADEMPIERE_HOME <--- go to $ADEMPIERE_HOME
$ sudo chmod +x *.sh <---- make all shell scripts executable
$ sudo ./RUN_setup.sh <---- execute setup script, a window will popup.
```

Note: Click <Test>, follow the wizard. Everything should indicate OK. Then press <Save>. Then press <OK> when another popup appears. Wait until compilation is complete.

1. If you have Apache installed, you may need to change the webport to 8080.
2. Enter adempiere.company.com for your apps directory/folder
3. Enter adempiere.company.com for your db directory/folder

STEP 8: Start the server

```
$ cd $ADEMPIERE_HOME/utils <--- go to utility folder
$ sudo ./RUN_Server2.sh <--- execute the server, wait for it to start listening
```

STEP 9: Access your Adempiere installation

Go to a browser and type in <http://adempiere.company.com:port/admin>
Go to a browser and type in <http://adempiere.company.com:port/webui>

Note: Default user/password is SuperUser/System, this is case sensitive. Play around with the sample GardenWorld company.

STEP 10: Stop the server

Open another terminal window

```
$ cd $ADEMPIERE_HOME/utils
$ sudo ./RUN_Server2Stop.sh <--- if it won't stop, just press <CTRL-C> were the Adempiere
Server is listening, it will shutdown normally.
```

STEP 11: Installing as a service

Install Adempiere ERP on Ubuntu Karmic Koala

Written by Administrator

Sunday, 25 April 2010 20:16 - Last Updated Wednesday, 06 October 2010 12:25

Note: Do this only, if you are sure you have a working Adempiere install

Open another terminal window

```
$ cd $ADEMPIERE_HOME/utils/unix
```

```
$ sudo cp adempiere_Debian.sh adempiere_Ubuntu.sh <-- make a copy to preserve original
```

```
$ sudo nano adempiere_Ubuntu.sh
```

```
EXECDIR=/opt/Adempiere <--- replace /home/adempiere/Adempiere to reflect install of  
Adempiere
```

```
ADEMPIEREUSER=root <--- since we are using a restricted area for the install and to avoid  
permission problems on startup, we have to use root as user
```

```
# ENVFILE=/home/adempiere/.bashrc <--- comment out this line
```

Change the following line

Install Adempiere ERP on Ubuntu Karmic Koala

Written by Administrator

Sunday, 25 April 2010 20:16 - Last Updated Wednesday, 06 October 2010 12:25

```
su $ADEMPIEREUSER -c "cd $EXECDIR/utils;$EXECDIR/utils/RUN_Server2Stop.sh &> /dev/null &"
```

to

```
su $ADEMPIEREUSER -c "cd $EXECDIR/utils;$EXECDIR/utils/RUN_Server2Stop.sh &> $LASTLOG &" <-- prevents errors in shutdown
```

```
MAXITERATIONS=90 # 2 seconds every iteration, max wait 2 minutes) <-- (Optional) To increase timeout for start/stop of server
```

```
$ sudo mv adempiere_Ubuntu.sh /etc/init.d <--- move to boot scripts
```

```
$ sudo update-rc.d adempiere_Ubuntu.sh defaults <--- automatically create run-level links
```

You now have a fully automatic Adempiere install, it will start and stop when you open and close your server.

Restart your server. Wait a while before using as the service takes a while to start.

Install Adempiere ERP on Ubuntu Karmic Koala

Written by Administrator

Sunday, 25 April 2010 20:16 - Last Updated Wednesday, 06 October 2010 12:25

You may also use the following command to control your Adempiere

```
$ sudo /etc/init.d/adempiere_Ubuntu [start|stop|restart|status|condrestart] <-- Inside brackets  
are choices available.
```

That's it! Enjoy.

Thanks to all the numerous websites/forums that helped me figure out the installation of Adempiere.

Time to study Adempiere.

Update: Just did this for the latest version of Adempiere LTS (3.6.0) and Ubuntu Lucid Server (10.04), and it works.