Installing OpenMeetings in Squeeze

This tutorial OpenMeetings in Squeeze, is an update and modification
the fact by Christian Frederick Tomasczik for Lenny:

http://liberamemoria.blogspot.com/2009_02_01_archive.html

It is written step by step and thinking of starting.

For OpenMeetings versions 1.8.4 onwards, including 1.9.x.

Updated 14/12/2011

Download, if do not, flash player from here:

http://get.adobe.com/es/flashplayer/

unburden version tar.gz. Open:

/home/your_user folder

and make hidden files visible going to:

View → Show Hidden Files

Make a folder called plugins in:

/home/your_username/.mozilla/

and decompress the tar.gz file that you have downloaded. In
there is a file called libflashplayer.so, put it in the plugins folder.

Launch Iceweasel browser and go:

Tools → Accessories → Shockwave Flash (ShockwaveFlash 10.1) → Deactivate

Squeeze it brings and installed this version 10.1, which must
be deactivated so that only acts which have downloaded.

Download and install:

http://www.debian-multimedia.org/pool/main/d/debian-multimedia-keyring/debian-multimedia-keyring_2008.10.16_all.deb

Installed as follows:

Right click on the file → Open with << Gdebi Package Installer >>

It is the key for Debian Multimedia repository.

Once installed continue.

1)
Installing Sun Java Development Kit.

We'll have to enable the repositories non-free branch of Debian Squeeze. For it edit the sources.list file:

gedit /etc/apt/sources.list

Add non-free repositories that are there at the end of lines.

Copy and paste:

```
deb http://security.debian.org/ squeeze/updates main contrib non-free
deb-src http://security.debian.org/ squeeze/updates main contrib non-free
deb http://ftp.debian.org/debian/ squeeze main contrib non-free
deb-src http://ftp.debian.org/debian/ squeeze main contrib non-free
deb http://ftp.debian.org/debian/ squeeze-updates main contrib non-free
deb-src http://ftp.debian.org/debian/ squeeze-updates main contrib non-free
deb http://ftp2.de.debian.org/debian squeeze main non-free
#**Repositorios multimedia**
deb http://www.debian-multimedia.org squeeze main
```

Update the listing:

apt-get update

Now install Sun Java Development Kit:

apt-get install sun-java6-jdk

During installation, will present the user license agreement (EULA) Sun.

After reading the license and finally press OK consult us if we agree with the terms there is.

Clicking on the button to continue with the installation process.

2)
Installing MySQL.

OpenMeetings uses a database to maintain user information, addresses
email, meeting rooms, etc.. In this case we use MySQL.

To install MySQL by running:

apt-get install mysql-server

Well ask for a password for the root user that manages MySQL. So we choose a
good key and entered.
Finally, we re-enter the password

Now let's create a database and an user with permissions to manage it:

mysql-u root-p

We enter the root password of MySQL and we will be in the MySQL console. there
create the database by entering:

mysql> CREATE DATABASE openmeetings DEFAULT CHARACTER SET 'utf8';

With this command we created a database called openmeetings but the name
can be any other.

Now create an user with all permissions for the newly created database
(write everything on one line without line space):

mysql> GRANT ALL PRIVILEGES ON openmeetings. * TO 'openmeetings' @
'localhost'IDENTIFIED BY 'rstallman' WITH GRANT OPTION;

* The first openmeetings ... is the name of the database we did before.

* The second openmeetings ... is the name of the user that we will do to the
database the same name.

* The rstallman ... is the user's password openmeetings.

... be free to change these data.

We left the MySQL console:

mysql> quit

3)
Installing OpenOffice.

In Squeeze is already installed OpenOffice. You can go to the next step.

OpenOffice is necessary for the conversion of documents in formats, like for example, those of Microsoft Office. In this way, users gathered in a virtual room of OpenMeetings can upload and shares.

Install the packages (all on one line):
apt-get install openoffice.org-writer openoffice.org-calc openoffice.org-impress openoffice.org-draw openoffice.org-math

4)
Installing ImageMagick.

In Squeeze ImageMagick is already installed. You can go to the next step.

ImageMagick is a set of tools to manage, edit and convert images from over 100 different formats.

To install, simply run:

apt-get install imagemagick

5)
Installing SWFTools.

SWFTools are a group of Open Source tools to create and manipulate files SWF format used by the animation software Adobe Flash (formerly Macromedia Flash).

First, let's install some libraries and tools that are required by SWFTools:

apt-get install gs-gpl

Choose a place to download the package. For exemple, in the /home/your_username:

cd /home/your_username/

We got there on .deb package:

wget http://www.anexar.org/download/swftools_0.8.1-2.1_i386.deb

...or 64bit
:
wget http://old-releases.ubuntu.com/ubuntu/pool/universe/s/swftools/swftools_0.8.1-1_amd64.deb

and install it:

Right click on the file swftools_0.8.1-2.1_i386.deb → Open With Package Gdebi << Installer >>

Once is installed delete the installation package:

rm swftools_0.8.1-2.1_i386.deb

Well, you need less …

6)
Will compile ffmpeg for video conversion.

If directly install ffmpeg from the repositories, it would potential problems with the video on OpenMeetings.

Install everything we need:

apt-get install libart-2.0-2 libt1-5 zip unzip bzip2 subversion git-core checkinstall yasm texi2html libfaac-dev libfaad-dev libmp3lame-dev libsdl1.2-dev libx11-dev libxfixes-dev libxvidcore-dev zlib1g-dev libogg-dev sox libvorbis0a libvorbis-dev libgsm1 libgsm1-dev libfaad2 flvtool2 lame

Download the sources:

cd /opt

wget http://ffmpeg.org/releases/ffmpeg-0.9.1.tar.gz

...unpack:

tar zxf ffmpeg-0.9.1.tar.gz

cd ffmpeg-0.9.1

...and compile (both in one line without space):

#./configure --enable-libmp3lame --enable-libxvid --enable-libvorbis --enable-libgsm --enable-libfaac --enable-gpl --enable-nonfree

make

checkinstall

...in this last step will ask several questions, answer all pressing ENTER.

It will generate a deb file that will install itself and you can save. Will find it in the folder:

/opt/ffmpeg-0.9.1

... called:

ffmpeg_0.9.1-1_i386.deb

This file will only be valid for the operating system that has been compiled.

Now we've installed compiled will block our ffmpeg. To do this we will go to:

Synaptic → and click on ffmpeg seek → Package (top left is of the window) → Block release

We do so in subsequent updates of the system to perform clear we are not our compilation and instead install a new version, although more recently will not have the properties we have compiled.

7)
Install sox for audio:

(is already installed in before step, so can go to next step)

apt-get install sox

8)
Installing OpenMeetings 1.9.1

All OpenMeetings versions to download are here:

http://code.google.com/p/openmeetings/downloads/list?can=1&q=&colspec=Filename+OpSys+Summary+Uploaded+UploadedBy+Size+DownloadCount

OpenMeetings unloaded (will install into /usr/lib, you can switch to another location):

cd /root

...and then

wget http://openmeetings.googlecode.com/files/openmeetings_1_9_1_r4707.zip

unzip openmeetings_1_9_1_r4707.zip

... unzips to a folder called red5.

Then move to a place a bit more convenient:

mv red5 /usr/lib

Delete the downloaded zip file:

rm openmeetings_1_9_1_r4707.zip

For security, we will not allow Red5 (so OpenMeetings) run
with root privileges.

Therefore, change the permissions of all files:

chown -R nobody /usr/lib/red5

Now give execute permissions to launch scripts:

chmod +x /usr/lib/red5/red5.sh

and the head (with OpenOffice) conversions of documents:

chmod +x /usr/lib/red5/webapps/openmeetings/jod/jodconverter2.sh

9)
Now we'll make a script that will serve to launch OpenMeetings (red5) and OpenOffice (LibreOffice) at the same time and we'll call red5.

You can skip this step if you prefer download the ready-made script and follow the directions found inside zip file. This is titled:

OpenMeetings-1.9.1-OpenOffice_run_script_Squeeze.zip

... and can be downloaded from these URLs:

https://cwiki.apache.org/confluence/display/OPENMEETINGS/Tutorials+related+to+OpenMeetings

or

https://sites.google.com/site/openmeetingsespanol/file-cabinet

... if you prefer to do go on:

gedit /etc/init.d/red5

... what is highlighted in red in the following script is the OpenMeetings installation path.
If your installation is in a diferent path change it here...

... which is marked in blue is the path to soffice in OpenOffice, change it should you use LibreOffice.

Copy and paste the following:

```
#!/bin/bash
# For RedHat and cousins:
```

```
# chkconfig: 2345 85 85
# description: Red5 flash streaming server
# processname: red5
# Created By: Sohail Riaz (sohaileo@gmail.com)
# Modified by Alvaro Bustos
PROG=red5
RED5_HOME=/usr/lib/red5
DAEMON=$RED5_HOME/$PROG.sh
PIDFILE=/var/run/$PROG.pid
# Source function library
# . /etc/rc.d/init.d/functions
[ -r /etc/sysconfig/red5 ] && . /etc/sysconfig/red5
RETVAL=0
case "$1" in
start)
# echo -n $"Starting $PROG: "
      /usr/lib/openoffice/program/soffice "-
accept=socket,host=127.0.0.1,port=8100,tcpNoDelay=1;urp;" -headless -nodefault
-nofirststartwizard -nolockcheck -nologo -norestore & sleep 5
cd $RED5_HOME
       start-stop-daemon --start -c nobody --pidfile $PIDFILE
$DAEMON >/dev/null 2>/dev/null &
RETVAL=$?
if [ $RETVAL -eq 0 ]; then
echo $! > $PIDFILE
# touch /var/lock/subsys/$PROG
fi
# [ $RETVAL -eq 0 ] && success $"$PROG startup" || failure $"$PROG startup"
echo
;;
stop)
       pkill soffice.bin
       start-stop-daemon --stop --quiet --pidfile $PIDFILE \
              --name java
       rm -f $PIDFILE
echo
[ $RETVAL -eq 0 ] && rm -f /var/lock/subsys/$PROG
;;
restart)

$0 stop
$0 start
;;
status)
status $PROG -p $PIDFILE
RETVAL=$?
;;
*)
echo $"Usage: $0 {start|stop|restart|status}"
RETVAL=1
esac
exit $RETVAL
```

... and save.

Now let's give execute permission to this script:

chmod +x /etc/init.d/red5

And finally, if we want OpenMeetings and OpenOffice are launched when you start the machine automatically, do the symbolic links:

update-rc.d red5 defaults

...or if you prefer to hand the run not execute this command.

10)
To know that after casting OpenMeetings (ports 5080 and 1935) and OpenOffice (port 8100) with the newly created script ports are listening, will install an interface:

apt-get install nmap

apt-get install zenmap

Zenmap may launch later from:

Applications --> Internet --> Zenmap

11)
We'll set up our database in OpenMeetings with MySQL.

Rename the file: (all on one line separated both by space)

mv /usr/lib/red5/webapps/openmeetings/WEB-INF/classes/META-INF/persistence.xml /usr/lib/red5/webapps/openmeetings/WEB-INF/classes/META-INF/persistence.xml-ori

And also rename: (all on one line separated both by space)

mv /usr/lib/red5/webapps/openmeetings/WEB-INF/classes/META-INF/mysql_persistence.xml /usr/lib/red5/webapps/openmeetings/WEB-INF/classes/META-INF/persistence.xml

Now edit this file persistence.xml:

gedit /usr/lib/red5/webapps/openmeetings/WEB-INF/classes/META-INF/persistence.xml

... and in the line:

Url = jdbc:mysql://localhost:3306/openmeetings?autoReconnect .....

openmeetings ... is the name of the database we did near the beginning, so
we leave it alone. If your database has a different name to change here.

In lines:

, Username = root ... substitute root for the username of the database.
we put the top openmeetings as username.

, Password = 123456 "/> ...substitute 123456 for the password of the database.
at first we put rstallman.

In some versions of OpenMeetings the text after the equal sign = is different from that shown here.
What you need to replace username is everything after the = sign and everything Password
there after the = sign except the quotes, bar and arrow.

And we finished setting up the database in OpenMeetings.

12)
Running OpenMeetings and OpenOffice.

Are supposed to have MySQL running, if not throw:

/etc/init.d/mysql start

And now will launch OpenMeetings and Openoffice at once, if not:

/etc/init.d/red5 start

Execute Zenmap:

Applications -> Internet -> Zenmap (no icon displayed)

Write up on the left at :

Target: 127.0.0.1

...and click Scan button.

Numbers-ports must appear: 5080, 1935 and 8100 ... if so all is well.

Write to the browser:

http://localhost:5080/openmeetings/install

... and start the final installation OpenMeetings server.

You press the link above is called:

Continue with STEP 1

... and take you to another page that will be answered:

Username: here the user name you please. Will have administrator rights.

UserPass: the password for this administrator user.

EMail: your email address.

User Time Zone: choose your area.

... and at:

Organisation (Domains)
Name: write here the name you please, will be the name of an organization (group).

... more below:

Default Language: choose the language that appears when you enter OpenMeetings.

Not necessary to fill in more.

Push button down everything on the page called: Install

and ... wait two minutes. During this waiting will be forming the tables in the database.

A new page in the browser saying:

OpenMeetings - Installation Complete!
Enter the Application ... You press this link and will take you to OpenMeetings login page.

Write the user name that you wrote just before and password.

Something strange happens to me is that being in Squeeze, because it happens not to Lenny, rising a file to the whiteboard in the conference room, if am not connected to the Internet takes two or three minutes to be converted. But if am online conversion is fast.
If you happen likewise please communicate this.

If you have questions, please expose it at the OpenMeetings lists in spanish or in english:

http://incubator.apache.org/openmeetings/mail-lists.html

Thank you.

Alvaro Bustos – greenes

Pdf made with LibreOffice.