Installation of Apache OpenMeetings 4.0.11 on Manjaro 20

This tutorial is based on a fresh installations of

manjaro-mate-20.0.1-200514-linux56.iso

It is tested with positive result. We will use the Apache's binary version OpenMeetings 4.0.11 stable, that is to say will suppress his compilation. It is done step by step.

Starting...

1)

------ Update Operative System ------

Open a terminal as root:

su

...will ask for root password, and we update the operative system:

pacman -Syu

2)

------ Installation of Java ------

Java it is necessary for OpenMeetings 4.0.11. We´ll install Open Java 11.
Continue as root:

pacman -S jdk11-openjdk

...and the plugin that later, and being in a rrom, we can record and share desktop:

pacman -S icedtea-web

Do OpenJava 11 as default (maybe is another java versions) and exit as root:

archlinux-java set java-11-openjdk

exit

3)
------ Installation of LibreOffice ------

OpenMeetings will need LibreOffice to convert to pdf the uploaded office files.

We install LibreOffice:

sudo pacman -S libreoffice

...press **Enter** to any question.

4)
------ Installation of necessary packages and libraries ------

Will install packages and libraries that we´ll need later:

(Only one line with space between each one of them)

sudo pacman -S libjpeg ghostscript unzip gcc ncurses make zlib libtool bison bzip2 file-roller autoconf automake pkgconfig tomcat-native nmap curl freetype2 nano base-devel fakeroot jshon expac git wget

5)
------ Installation ImageMagick and Sox ------

ImageMagick, will work with images files jpg, png, gif, etc. We install it:

sudo pacman -S imagemagick

Sox, work the sound. We install it:

sudo pacman -S sox

6)

------ Installation of Adobe Flash Player ------

OpenMeetings even need Adobe Flash Player for cam and audio. We install it:

sudo pacman -S flashplugin

7)

------ Installation of FFmpeg ------

FFmpeg work with video. Will install a libraries, paquets, and vlc to play the recordings that we´ll make in OpenMeetings:

(Only one line with space between both)

sudo pacman -S ffmpeg

8)

------ Installation of MariaDB data server ------

MariaDB is the data server. We install it: (continue as root in shell)

sudo pacman -S mariadb

Initialize data directories (be connected to Internet):

sudo mysql_install_db --user=mysql --basedir=/usr --datadir=/var/lib/mysql

...and run MariaDB:

sudo systemctl start mysqld

Give a password to MariaDB root . Please, modify new-password by your own and remember it:

sudo mysqladmin -u root password new-password

Access to MariaDB:

sudo mysql -u root -p

...will ask for the password you does just now.

Make a database called open4011, for OpenMeetings. User password must be of 8 digits minimum:

MariaDB [(none)]> CREATE DATABASE open4011 DEFAULT CHARACTER SET 'utf8';

Now we create a user with all permission on this open4011 database:

(Only one line with space between both)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON open4011.* TO 'hola'@'localhost'
IDENTIFIED BY '1a2B3c4D' WITH GRANT OPTION;

* open4011 ....….. name of the database
* hola ....….. user for that database
* 1a2B3c4D ....password of this user

You can change the data, but...remember it! Later we´ll need it.
We leave MariaDB:

MariaDB [(none)]> quit

9)

------ Installation of OpenMeetings ------

We´ll install OpenMeetings in /opt/red54011. All the following information will be based on this directory.

Call to our folder of installation red54011

Make that folder:

sudo mkdir /opt/red54011

cd /opt/red54011

...and download the OpenMeetings file:

<div align="center">(Only one line without space between both)</div>

sudo wget https://archive.apache.org/dist/openmeetings/4.0.11/bin/apache-openmeetings-4.0.11.tar.gz

sudo tar xzvf apache-openmeetings-4.0.11.tar.gz

...save the unloaded file to /opt:

sudo mv apache-openmeetings-4.0.11.tar.gz /opt

Download and install the connector between OpenMeetings and MariaDB:

cd /opt

<div align="center">(Only one line without space between both)</div>

sudo wget https://repo1.maven.org/maven2/mysql/mysql-connector-java/5.1.49/mysql-connector-java-5.1.49.jar

...and copy it to where must be:

sudo cp /opt/mysql-connector-java-5.1.49.jar /opt/red54011/webapps/openmeetings/WEB-INF/lib

10)

<div align="center">------ **Script to launch red5-OpenMeetings** ------</div>

We make the folder /etc/init.d, where put the red5 run script:

sudo mkdir /etc/init.d

Download the script to run red5-OpenMeetings:

cd /opt

sudo wget https://cwiki.apache.org/confluence/download/attachments/27838216/red5-2

...copy it to where must be:

sudo cp red5-2 /etc/init.d/

...concede execution permission:

sudo chmod +x /etc/init.d/red5-2

If you would made the installation in any other different path to /opt/red54011, please edit the script and modify the line:

RED5_HOME=/opt/red54011

...to

RED5_HOME=/your-path-installation

11)

------ Run red5-OpenMeetings ------

Restart MariaDB:

sudo systemctl restart mysqld

...and run red5-OpenMeetings. Please open a new terminal:

sudo /etc/init.d/red5-2 start

...wait 30 or 40 seconds for running red5-OpenMeetings completly. Then, go with the browser to:

http://localhost:5080/openmeetings

...there will appear a page similar to this one:

...push on [>] (bottom), and will show the default configuration with Derby, but we employ

MySQL (MariaDB):
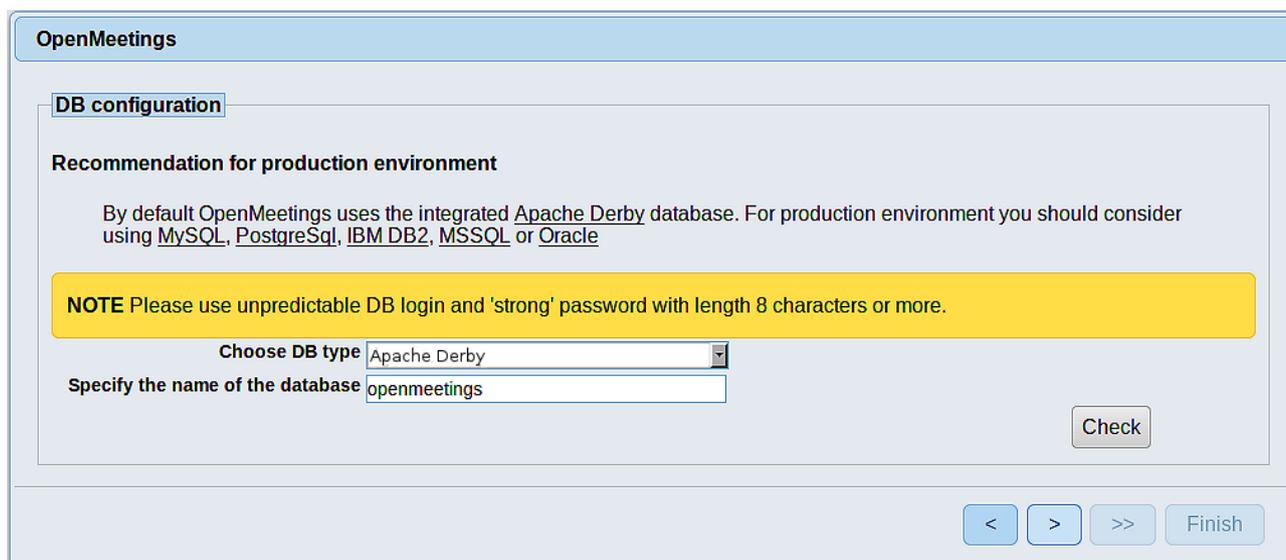
OpenMeetings

DB configuration

Recommendation for production environment

By default OpenMeetings uses the integrated Apache Derby database. For production environment you should consider using MySQL, PostgreSql, IBM DB2, MSSQL or Oracle

NOTE Please use unpredictable DB login and 'strong' password with length 8 characters or more.

Choose DB type Apache Derby

Specify the name of the database openmeetings

Check

[<] [>] [>>] [Finish]

...so, scroll and **Choose DB type** to MySQL:

OpenMeetings

DB configuration

Recommendation for production environment
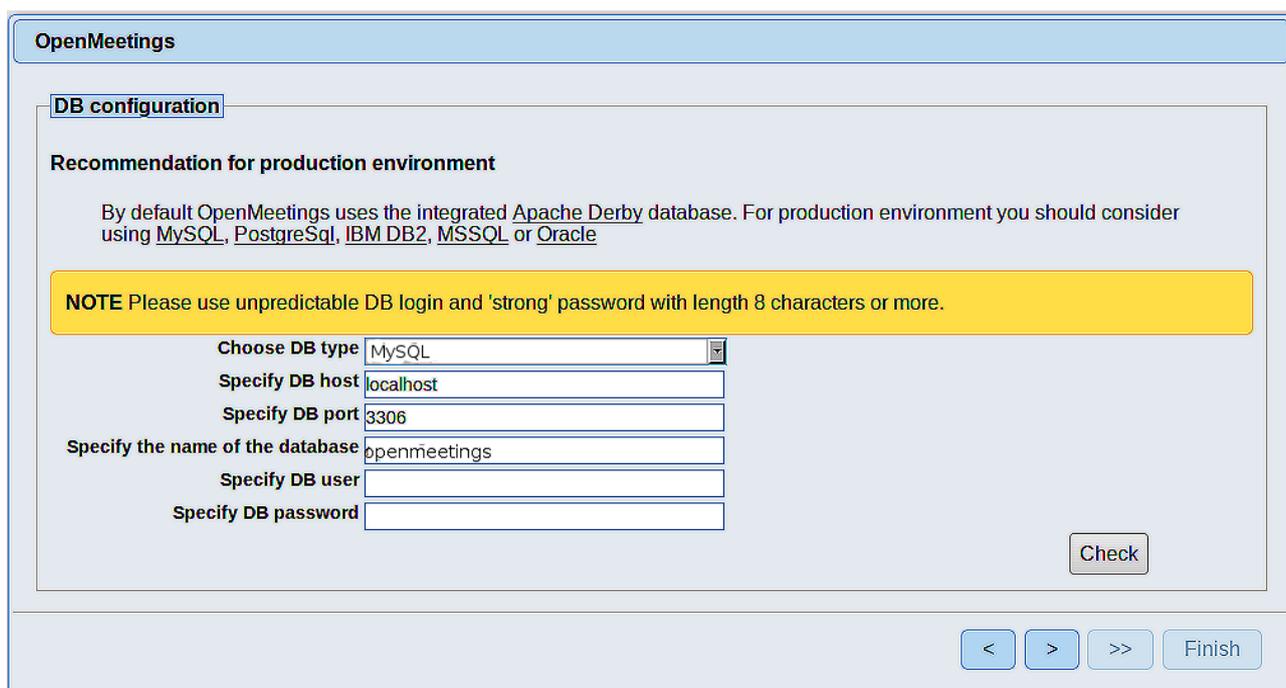
By default OpenMeetings uses the integrated Apache Derby database. For production environment you should consider using MySQL, PostgreSql, IBM DB2, MSSQL or Oracle

NOTE Please use unpredictable DB login and 'strong' password with length 8 characters or more.

Choose DB type MySQL

Specify DB host localhost

Specify DB port 3306

Specify the name of the database openmeetings

Specify DB user

Specify DB password

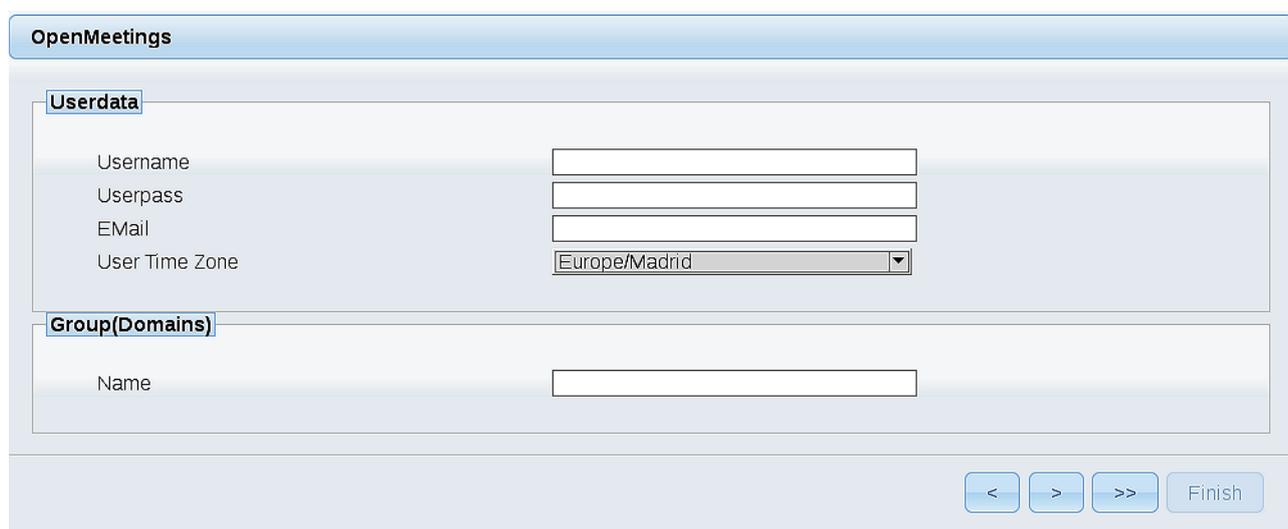Check

[<] [>] [>>] [Finish]

Now we must introduce the database name, user name and his password we did at the step 8:

Specify the name of the database = open4011

Specify DB user = hola

Specify DB password = 1a2B3c4D

Press   `>`   button, and will go to:

OpenMeetings

Userdata

Username	
Userpass	
EMail	
User Time Zone	Europe/Madrid

Group(Domains)

Name	

`<` `>` `>>` `Finish`

Here, we must introduce a user name for OpenMeetings, and his password. This must have 8 digits minimum, and at least 1 special symbol like: + (% # ! ...etc.

Username =   a-name ...this user will be administrator.

Userpass =   a-password ...for the previous user.

Email =   email-adress ...of this previous user.

User Time Zone =   country where is this server.

Name =   example-openmeetings ...group name to choose.

Press the button   `>`   and will lead us to a new page (below) where you can select the language for your OpenMeetings server, as well as other options such as the configuration of the mail server being used to send invitations or meetings from OpenMeetings:

A valid example to configure the mail server with Gmail, is as follows:
(replace **john@gmail.com** with your real Gmail account)

Mail-Refer	==	john@gmail.com
SMTP-Server	==	smtp.gmail.com
SMTP-Server Port (default Smtp-Server Port is 25)	==	587
SMTP-Username	==	john@gmail.com
SMTP-Userpass	==	password of john@gmail.com
Enable TLS in Mail Server Auth	==	...turn green the button to activate
Default Language	==	...select your language

...the rest you can change it as you like.

Now press the button > and a new page will appear:

Here we´ll introduce the respective paths for the image, video, audio and conversion of uploaded files:

$$\textbf{ImageMagick Path} \quad == \quad \text{/usr/bin}$$

$$\textbf{FFMPEG Path} \quad == \quad \text{/usr/bin}$$

$$\textbf{SOX Path} \quad == \quad \text{/usr/bin}$$

$$\textbf{OpenOffice/LibreOffice Path for jodconverter} \quad == \quad \text{/usr/lib/libreoffice}$$

Once completed the paths, please click the ⟩ button and move on to another page that would be to activate the SIP. We will leave it as is, unless you want to activate it knowing what it does:

Now, touch the button [>] Will show this window:

OpenMeetings

Please click "Finish" button to start installation!

[<] [>] [>>] [Finish]

Press **Finish** button...wait a seconds untill the tables are fill in our database.

When is concluded, this another page will appear. Don´t clic on **Enter the Application**.
First is need it to restart red5 server. Please, be connectd to Internet. Open a new terminal as root:

sudo /etc/init.d/red5-2 restart

OpenMeetings

Enter the Application

   Database was changed, please restart application to avoid possible issues

If your Red5-Server runs on a different Port or on a different domain
alter the config values of the client

Mailing list

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

There are some companies that also offer commercial support for Apache OpenMeetings:

http://openmeetings.apache.org/commercial-support.html

[<] [>] [>>] [Finish]

Now yes, you can clic on **Enter the Application**, or go with your browser to:

http://localhost:5080/openmeetings

...and will take us to the entry of OpenMeetings:

Introduce the user's name and the password, that you have choosen during the installation, push **Sign in** button, and…

...**Congratulations!**

The next time that you like to accede OpenMeetings, would be:

http://localhost:5080/openmeetings

Remember to open in the server, the two following ports:

1935   5080

...in order that it could accede to OpenMeetings from other machines in Lan or Internet.

12)

------ **OpenMeetings's configuration** ------

Once you acced to OpenMeetings, if you would like to do any modification in the configuration, please go to:

Administration → Configuration

Home ▾   Rooms ▾   Recordings ▾   Administration ▾

▽ Welcome

Hello firstname lastname

Timezone Europe/Madrid

Unread messages 0

Edit your profile

Upload new image

Help and support

...and following the order of the red arrows:

Home ▾   Rooms ▾   Recordings ▾   Administration ▾

50 ▾ ◄◄ ◄ 1 2 ►► ►   [   ] Search

Configuration

ID	Key	Value
1	crypt.class.name	org.apache.openmeetings.util.crypt.SCryptImplementation
2	allow.frontend.register	true
3	allow.soap.register	true
4	allow.oauth.register	true
5	default.group.id	1
6	mail.smtp.server	localhost
7	mail.smtp.port	25
8	mail.smtp.system.email	noreply@openmeetings.apache.org
9	mail.smtp.user	
10	mail.smtp.pass	
11	mail.smtp.starttls.enable	false
12	mail.smtp.connection.timeout	30000
13	mail.smtp.timeout	30000
14	application.name	OpenMeetings
15	default.lang.id	8
16	document.dpi	150
17	document.quality	90
18	path.imagemagick	
19	path.sox	
20	path.ffmpeg	
21	path.office	
22	dashboard.rss.feed1	http://mail-archives.apache.org/mod_mbox/openmeetings-user/?format=atom
23	dashboard.rss.feed2	http://mail-archives.apache.org/mod_mbox/openmeetings-dev/?format=atom
24	send.email.at.register	false
25	send.email.with.verfication	false

Type string

Key path.ffmpeg

Value

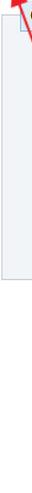**Last update** Oct 17, 2017 5:54:57 PM

Updated by toro

Comment Path To FFMPEG

1

2

3

^ Chat

13)

<div align="center">

------ Special step for ImageMagick ------

</div>

We modify ImageMagick, so OpenMeetings can upload office files to whiteboard:

sudo nano /etc/ImageMagick-7/policy.xml

...and comment the following lines, if is not, , near to bottom file:

<policy domain="coder" rights="none" pattern="{PS,PS2,PS3,EPS,PDF,XPS}" />

<policy domain="delegate" rights="none" pattern="gs" />

...to

<!-- <policy domain="coder" rights="none" pattern="{PS,PS2,PS3,EPS,PDF,XPS}" /> -->

<!-- <policy domain="delegate" rights="none" pattern="gs" /> -->

Press in the keyboard **Ctrl+x**, will ask to save, press **Y**, and press **Enter** to exit nano editor.

<div align="center">

</div>

If you have some doubt or question, please raise it in the Apache OpenMeetings forums:

<div align="center">

https://openmeetings.apache.org/mailing-lists.html

</div>

Also you can download if you like, a wallpaper of OpenMeetings for different devices such as:

PC, Mac, Smartphone, iPhone and Tablets. Here is the link to download:

[OpenMeetings Wallpaper Download](#)

A dvd live iso with OpenMeetings 4.0.11 on Ubuntu 18.04 lts and other OpenMeetings 5.0.1 on Ubuntu 18.04 lts, is at your disposal.

Can find them here:

[Live iso download](#)

Thank you.

Alvaro Bustos (PMC and Committer at Apache OpenMeetings).