

Installation of Apache OpenMeetings 3.0.x on Debian 8

This tutorial is made based on fresh installations of

debian-8.0.0-amd64-CD-1.iso

It is tested with positive result. We will use the Apache's binary version OpenMeetings 3.0.6 stable, that is to say will suppress his compilation. It is done step by step.

14-5-2015 updated 25-5-2015

Starting...

1)

First update and upgrade the OS:

apt-get update

apt-get upgrade

2)

---- Installation of Oracle Java 1.8 ----

Red5-OM need Java. Add repository to install Oracle Java 1.8.

(In only one line with space)

echo "deb http://ppa.launchpad.net/webupd8team/java/ubuntu trusty main" | tee /etc/apt/sources.list.d/webupd8team-java.list

echo "deb-src http://ppa.launchpad.net/webupd8team/java/ubuntu trusty main" | tee -a /etc/apt/sources.list.d/webupd8team-java.list

apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys EEA14886

apt-get update

To accept the license automatically when install it:

(In only one line without space)

 $echo\ oracle-java 8-installer\ shared/accepted-oracle-license-v 1-1\ select\ true\ |\ sudo\ /usr/bin/debconf-set-selections$

...now install Oracle Java 8:

apt-get install oracle-java8-installer

For JAVA_HOME Environment:

apt-get install oracle-java8-set-default

To know the active java version:

java -version

3)

---- Installation of LibreOffice ----

LibreOffice is need it to convert to pdf the uploaded files. Jessie desktop iso have already LibreOffice installed. But if you are on server: apt-get install libreoffice

4)

--- Installation ImageMagic, Sox and Swftools ---

ImageMagic will work the image files. Will install it and some more libraries.

apt-get install imagemagick gdebi libgif4 libgif-dev synaptic zlib1g-dev liboil0.3 unzip make

apt-get install build-essential libfreetype6-dev

Sox work the audio. Will compile.

cd /opt

wget http://sourceforge.net/projects/sox/files/sox/14.4.2/sox-14.4.2.tar.gz

tar xzvf sox-14.4.2.tar.gz

cd /opt/sox-14.4.2

./configure

make && make install

Swftools work converting to swf the uploaded files.

Don't use a newer version swftools file. Don't have pdf2swf.

For **64** bit:

cd /opt

wget http://old-releases.ubuntu.com/ubuntu/pool/universe/s/swftools/swftools_0.9.0-0ubuntu1_amd64.deb

dpkg -i swftools_0.9.0-0ubuntu1_amd64.deb

To block the version: echo "swftools hold" | sudo dpkg --set-selections

For **32** bit:

cd /opt

wget <u>http://old-releases.ubuntu.com/ubuntu/pool/universe/s/swftools/swftools_0.9.0-</u> <u>0ubuntu1_i386.deb</u>

dpkg -i swftools_0.9.0-0ubuntu1_i386.deb

To block the version: echo "swftools hold" | sudo dpkg --set-selections

5)

---- Installation of Adobe flash player ----

OpenMeetings even need Adobe Flash Player for rooms.

Add repository can install it:

gedit /etc/apt/sources.list

...and copy-paste these two lines:

deb http://ftp.us.debian.org/debian jessie contrib non-free deb http://ftp.us.debian.org/debian jessie contrib

...save, update:

apt-get update

...and install:

apt-get install flashplugin-nonfree

6)

---- Installation of Jodconverter ----

Jodconverter work to convert uploaded files.

cd /opt

wget http://jodconverter.googlecode.com/files/jodconverter-core-3.0-beta-4-dist.zip

unzip jodconverter-core-3.0-beta-4-dist.zip

7)

---- Compilation of FFmpeg ----

Ffmpeg will work with video.

This compilation is based on:

https://trac.ffmpeg.org/wiki/CompilationGuide/Ubuntu

Install libraries.

(In only one line with space between each one)

apt-get -y --force-yes install autoconf automake libass-dev libfreetype6-dev libgpac-dev libsdl1.2-dev libtheora-dev libtool libva-dev libvdpau-dev libvorbis-dev libxcb1-dev libxcb-shm0-dev libxcb-xfixes0-dev pkg-config texi2html zlib1g-dev nasm

Make a folder where download the neccesary files to compile.

mkdir ~/ffmpeg_sources

 $cd \sim \!\!/ ffmpeg_sources$

...and download:

wget http://www.tortall.net/projects/yasm/releases/yasm-1.3.0.tar.gz
wget http://download.videolan.org/pub/x264/snapshots/last_x264.tar.bz2
wget -O fdk-aac.zip https://github.com/mstorsjo/fdk-aac/zipball/master
wget http://downloads.sourceforge.net/project/lame/lame/3.99/lame-3.99.5.tar.gz
wget http://downloads.xiph.org/releases/opus/opus-1.1.tar.gz
wget http://webm.googlecode.com/files/libvpx-v1.3.0.tar.bz2
wget http://ffmpeg.org/releases/ffmpeg-snapshot.tar.bz2

Once unloaded, start the compilation:

1)

cd ~/ffmpeg_sources tar xzvf yasm-1.3.0.tar.gz cd yasm-1.3.0

---- Yasm ----

./configure --prefix="\$HOME/ffmpeg_build" --bindir="\$HOME/bin"

make

make install

make distclean

2) --- libx264 ---

 $cd \sim \!\!/ ffmpeg_sources$

tar xjvf last_x264.tar.bz2

cd x264-snapshot*

(In only one line with space)

PATH="\$HOME/bin:\$PATH" ./configure --prefix="\$HOME/ffmpeg_build" --bindir="\$HOME/bin" --enable-static

PATH="\$HOME/bin:\$PATH" make

make install

make distclean

3) --- libfdk-aac ---

cd ~/ffmpeg_sources

unzip fdk-aac.zip

cd mstorsjo-fdk-aac*

autoreconf -fiv

./configure --prefix="\$HOME/ffmpeg_build" --disable-shared

make

make install

make distclean

4) --- libmp3lame ---

cd ~/ffmpeg_sources

tar xzvf lame-3.99.5.tar.gz

cd lame-3.99.5

./configure --prefix="\$HOME/ffmpeg_build" --enable-nasm --disable-shared

make

make install

make distclean

5)

--- libopus ---

 $cd \sim \!\!/ ffmpeg_sources$

tar xzvf opus-1.1.tar.gz

cd opus-1.1

./configure --prefix="\$HOME/ffmpeg_build" --disable-shared

make

make install

make distclean

6) --- libvpx ---

 $cd \sim \!\!/ ffmpeg_sources$

tar xjvf libvpx-v1.3.0.tar.bz2

cd libvpx-v1.3.0

PATH="\$HOME/bin:\$PATH" ./configure --prefix="\$HOME/ffmpeg_build" --disable-examples

PATH="\$HOME/bin:\$PATH" make

make install

make clean

7) --- ffmpeg ---

cd ~/ffmpeg_sources

tar xjvf ffmpeg-snapshot.tar.bz2

cd ffmpeg

(In only one line with space between each one)

PATH="\$HOME/bin:\$PATH" PKG_CONFIG_PATH="\$HOME/ffmpeg_build/lib/pkgconfig" ./configure --prefix="\$HOME/ffmpeg_build" --extra-cflags="-I\$HOME/ffmpeg_build/include" --extra-ldflags="-L\$HOME/ffmpeg_build/lib" --bindir="\$HOME/bin" --enable-gpl --enable-libass --enable-libfdk-aac --enable-libfreetype --enable-libmp3lame --enable-libopus --enable-libtheora --enable-libvorbis --enable-libvpx --enable-libx264 --enable-nonfree

PATH="\$HOME/bin:\$PATH" make

make install

hash -r

The compilation is finished.

Now we have the compiled files in: \sim /bin

and: ~/ffmpeg_build/bin

Should copy all them to /usr/local/bin to be enabled:

cd ~/bin

cp ffmpeg ffplay ffprobe ffserver vsyasm x264 yasm ytasm /usr/local/bin

cd ~/ffmpeg_build/bin

cp lame /usr/local/bin

8)

---- Installation and configuration of MariaDB database server ----

MariaDB is the database server..

It is in Jessie repository.

Install these packages:

sudo apt-get install python-software-properties

sudo apt-get install software-properties-common

...and now MariaDB:

apt-get install mariadb-server

Will open a window asking for a root MariaDB password:

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Type the password you like it \rightarrow Accept \rightarrow Enter

	guadal@clus: ~	v 🔊 🗙
Archi	ivo Editar Ver Buscar Terminal Ayuda	
Confi	iguración de paquetes	ĺ
	Configuración de mariadb-server-10.0 Se recomienda que configure una contraseña para el usuario «root» (administrador) de MariaDB, aunque no es obligatorio. No se modificará la contraseña si deja este campo en blanco. Nueva contraseña para el usuario «root» de MariaDB:	
	<aceptar></aceptar>	

...will ask repeat the password:

	guadal@clus: ~	\sim \sim \times
Archivo Ed	itar Ver Buscar Terminal Ayuda	
Configurac	ión de paquetes	
	Configuración de mariadb-server-10.0	
	Repita la contraseña para el usuario «root» de MariaDB:	
	<aceptar></aceptar>	

Run MariaDB:

/etc/init.d/mysql start

Make a database with his own user for OpenMeetings:

mysql -u root -p

...will ask for the root password that we have just chosen, type it...

MariaDB [(none)]> CREATE DATABASE open306 DEFAULT CHARACTER SET 'utf8';

With this command we has created a called database open306 though you can choose another name to your whish.

Now we create a user with all the permission on this open306 database.

(In only one line with space)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON open306.* TO 'openmeetings'@'localhost' IDENTIFIED BY '123456' WITH GRANT OPTION;

* open306is the database name.

* openmeetings ... is the user name for the database.

* 123456is the password of the user called openmeetings.

You can change the data...but remember it!

MariaDB [(none)]> quit

9)

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

We'll install OpenMeetings in /opt/red5306. All the following information will be based on this directory.

Call to our folder of installation red5306

Make the folder:

mkdir /opt/red5306

cd /opt/red5306

wget http://apache.rediris.es/openmeetings/3.0.6/bin/apache-openmeetings-3.0.6.zip

unzip apache-openmeetings-3.0.6.zip

...save the unloaded file to /opt:

mv apache-openmeetings-3.0.6.zip /opt

Do to **nobody** owner of the whole OpenMeetings folder installation for security:

chown -R nobody /opt/red5306

Download and install the connector between OpenMeetings and MariaDB:

cd /opt

wget <u>http://repo1.maven.org/maven2/mysql/mysql-connector-java/5.1.35/mysql-connector-java-5.1.35.jar</u>

...and copy it to where must be:

cp /opt/mysql-connector-java-5.1.35.jar /opt/red5306/webapps/openmeetings/WEB-INF/lib

Now we are going to form OpenMeetings for our database in MariaDB:

cd /opt/red5306/webapps/openmeetings/WEB-INF/classes/META-INF

mv persistence.xml persistence.xml-ori

mv mysql_persistence.xml persistence.xml

gedit /opt/red5306/webapps/openmeetings/WEB-INF/classes/META-INF/persistence.xml

- ...to change on line 81
- , Url=jdbc:mysql://localhost:3306/openmeetings

...to

- , Url=jdbc:mysql://localhost:3306/open306
- ... it is the name of the database that we did initially.

... to change on line 86

, Username=root

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...to

, Username=openmeetings

... is the user that we did initially for the database.

...to change on line 87

, Password=" />

...to

, Password=123456" />

...it is the password that we did initially for the user "openmeetings" in the database. Logically if initially you chose another name and password for the database, you will to change them here.

We protect the access to the file:

chmod 640 /opt/red5306/webapps/openmeetings/WEB-INF/classes/META-INF/persistence.xml

10)

---- Script to launch red5-OpenMeetings ----

Please, download the red5 run script:

cd /opt

(In one line only without space)

wget <u>https://cwiki.apache.org/confluence/download/attachments/27838216/red5?</u> version=2&modificationDate=1432719272000&api=v2

...when the download is finished press Ctrl+c keyboard.

Rename the file unloaded to red5:

mv red5?version=2 red5

...and copy it to:

cp red5 /etc/init.d/

Give permission of execution:

chmod +x /etc/init.d/red5

11)

Start MariaDB if still it is not:

/etc/init.d/mysql start

...and now start red5-OpenMeetings:

/etc/init.d/red5 start

...will appear two text lines in the shell:

start-stop-daemon: --start needs --exec or --startas Try 'start-stop-daemon --help' for more information.

...you do nothing. Don't worry, everything work right.

...wait a seconds in order that red5 it is runing completely, and later can go to:

http://localhost:5080/openmeetings/install

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

 Recommendation for production environment By default OpenMeetings uses the integrated Apache Derby database. For production environment yo should consider using MySQL, Postgres or for example IBM DB2 or Oracle Enabling Image Upload and import to whiteboard Install ImageMagick on the server, you can get more information on http://www.imagemagick.org/script/binair releases.php, however on most linux systems you can get it via your favorite package managers (apt-get it). Install GhostScript on the server, you can get more information on http://pages.cs.wisc.edu/~ghost/ reinstallation. The instructions for installation can be found there, however on most linux systems you can get it via your favorite package managers (apt-get it). Install GhostScript on the server, you can get more information on http://pages.cs.wisc.edu/~ghost/ reinstallation. The instructions for installation can be found there, however on most linux systems you can your favorite package managers (apt-get it). Install SubTools on the server, you can get more information on http://www.swftools.org/ regarding ins Some of the Linux distributions already have it in there package manager see http://packages.debian.com/utils/swftools), the recommended version of SWFTools is 0.9 as prior version have a bug that does lead object dimensions in the Whiteboard Enabling import of .doc, .docx, .ppt, .pptx, all Office Documents into whitebaord 	Ор	enMeetings - Installation
 By default OpenMeetings uses the integrated Apache Derby database. For production environment yo should consider using MySQL, Postgres or for example IBM DB2 or Oracle 2. Enabling Image Upload and import to whiteboard Install ImageMagick on the server, you can get more information on http://www.imagemagick.org/script/binari releases.php, however on most linux systems you can get it via your favorite package managers (apt-get it). Install GhostScript on the server, you can get more information on http://pages.cs.wisc.edu/~ghost/ relinstallation. The instructions for installation can be found there, however on most linux systems you can get it via your favorite package managers (apt-get it). Install GhostScript on the server, you can get more information on http://pages.cs.wisc.edu/~ghost/ relinstallation. The instructions for installation can be found there, however on most linux systems you can your favorite package managers (apt-get it). Install ShortScript on the server, you can get more information on http://www.swftools.org/ regarding installation. The instructions for installation can be found there, however on most linux systems you can your favorite package managers (apt-get it). Install SWFTools on the server, you can get more information on http://www.swftools.org/ regarding installations already have it in there package manager see http://packages.debian.c. /utils/swftools), the recommended version of SWFTools is 0.9 as prior version have a bug that does lead object dimensions in the Whiteboard 4. Enabling import of .doc, .docx, .ppt, .pptx, all Office Documents into whitebaord 	1. R	ecommendation for production environment
 Enabling Image Upload and import to whiteboard Install ImageMagick on the server, you can get more information on http://www.imagemagick.org/script/binagreleases.php, however on most linux systems you can get it via your favorite package managers (apt-get via). Install GhostScript on the server, you can get more information on http://pages.cs.wisc.edu/~ghost/ reinstallation. The instructions for installation can be found there, however on most linux systems you can your favorite package managers (apt-get via). Install SWFTools on the server, you can get more information on http://pages.cs.wifcools.org/ regarding insome of the Linux distributions already have it in there package manager see http://pages.cs.wifcools.org/ regarding insome of the Linux distributions already have it in there package manager see http://packages.deblan.or/ http://packag		By default OpenMeetings uses the integrated Apache Derby database. For production en∨ironment you should consider using <u>MySQL, Postgres</u> or for example <u>IBM DB2</u> or <u>Oracle</u>
 Install ImageMagick on the server, you can get more information on http://www.imagemagick.org regarinstallation. The instructions for installation can be found there http://www.imagemagick.org/script/binarineleases.php, however on most linux systems you can get it via your favorite package managers (apt-get). Install GhostScript on the server, you can get more information on http://pages.cs.wisc.edu/~ghost/ reinstallation. The instructions for installation can be found there, however on most linux systems you can get more information on http://pages.cs.wisc.edu/~ghost/ reinstallation. The instructions for installation can be found there, however on most linux systems you can your favorite package managers (apt-get it). Install SWFTools on the server, you can get more information on http://www.swftools.org/ regarding installations already have it in there package manager see http://packages.debian.c. Autils/swftools), the recommended version of SWFTools is 0.9 as prior version have a bug that does lead object dimensions in the Whiteboard Enabling import of .doc, .docx, .ppt, .pptx, all Office Documents into whitebaord 	2. EI	nabling Image Upload and import to whiteboard
 Enabling import of PDFs into whiteboard Install GhostScript on the server, you can get more information on http://pages.cs.wisc.edu/~ghost/ reinstallation. The instructions for installation can be found there, however on most linux systems you can your favorite package managers (apt-get it). Install SWFTools on the server, you can get more information on http://www.swftools.org/ regarding ins Some of the Linux distributions already have it in there package manager see http://packages.debian.c./utils/swftools), the recommended version of SWFTools is 0.9 as prior version have a bug that does lead object dimensions in the Whiteboard Enabling import of .doc, .docx, .ppt, .pptx, all Office Documents into whitebaord 		 Install ImageMagick on the server, you can get more information on <u>http://www.imagemagick.org</u> regardin installation. The instructions for installation can be found there <u>http://www.imagemagick.org/script/binary-</u> <u>releases.php</u>, however on most linux systems you can get it via your favorite package managers (apt-get it)
 Install GhostScript on the server, you can get more information on http://pages.cs.wisc.edu/~ghost/ reinstallation. The instructions for installation can be found there, however on most linux systems you can your favorite package managers (apt-get it). Install SWFTools on the server, you can get more information on http://www.swftools.org/ regarding ins Some of the Linux distributions already have it in there package manager see http://packages.debian.org/ regarding ins Some of the Linux distributions already have it in there package manager see http://packages.debian.org/ regarding ins Some of the Linux distributions already have it in there package manager see http://packages.debian.org/ regarding ins Some of the Linux distributions already have it in there package manager see http://packages.debian.org/ /utils/swftools), the recommended version of SWFTools is 0.9 as prior version have a bug that does lead object dimensions in the Whiteboard Enabling import of .doc, .docx, .ppt, .pptx, all Office Documents into whitebaord 	3. EI	nabling import of PDFs into whiteboard
4. Enabling import of .doc, .docx, .ppt, .pptx, all Office Documents into whitebaord		 Install GhostScript on the server, you can get more information on http://pages.cs.wisc.edu/~ghost/ regar installation. The instructions for installation can be found there, however on most linux systems you can ge your favorite package managers (apt-get it). Install SWFTools on the server, you can get more information on http://www.swftools.org/ regarding install SOME of the Linux distributions already have it in there package manager see http://packages.debian.org/ (utils/swftools), the recommended version of SWFTools is 0.9 as prior version have a bug that does lead to all set of the Whiteheard
	4. EI	object dimensions in the winteboard
 OpenOffice-Service started and listening on port 8100, see OpenOfficeConverter for details 		• OpenOffice-Service started and listening on port 8100, see OpenOfficeConverter for details

...clic on Next (bottom page)

...and this another page will appear showing the database configuration we made:

Openivieetings - Installation	n	
DB configuration		
Recommendation for production environment		
By default OpenMeetings uses the integrated <u>Apa</u> consider using <u>MySOL</u> , <u>PostgreSql</u> , <u>IBM DB2</u> , <u>MS</u>	<u>iche Derby</u> database. For productior <u>SOL</u> or <u>Oracle</u>	n environment you shou
Choose DB type	MySQL	•
Specify DB host	localhost	
Specify DB host Specify DB port	localhost 3306	
Specify DB host Specify DB port Specify the name of the database	localhost 3306	
Specify DB host Specify DB port Specify the name of the database Specify DB user	localhost 3306	
Specify DB host Specify DB port Specify the name of the database Specify DB user Specify DB password	localhost 3306	

...clic Next and this another page will appear:

OpenMeetings - Installation	
Userdata	
Username	
Userpass	
EMail	
User Time Zone	Europe/Madrid _
Organisation(Domains)	
Name	
Name	
	< Pre∨ious Next > Last

...here we have to introduce necessarily, to be able to continue, the following:

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

	Userpass	= password for the previous user.			
	Email	= email-adress of the previous user.			
	User Time	e Zone = Country where is this server			
Organisation(Domains) Name = example-openmeetingsgroup name to choose.					

Go below completely of the page and touch the button Finish

OpenMeetings - Installation	1
Please click "Finish" button to start installation!	

...and wait a *moment* till the tables are fill in the database. When has concluded, this another page will appear:

。OpenMeetings
OpenMeetings - Installation
Enter the Application
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
< Previous Next > Last F

...clic on Enter the Application

.. and we should see OpenMeetings's entry:

Login Usemame or mail address Password	
Forgotten your password? Remember login Not a member? Sign in	
	Login Usemame or mail address Password Remember login Forgotten your password? Network testing Not a member? Sign in

Introduce the user's name and the password that you have chosen during the installation and...

...Congratulations!

The next time that you wants to accede to OpenMeetings will be:

http://localhost:5080/openmeetings

Remember to open in the server the three following ports:

5080 1935 8088

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

14)

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

Once you acced to OpenMeetings go to:

Administration \rightarrow Configuration

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	👞 Оре	enMeet	ings	5	
Home 🝷	Rooms 🝷	Recordings	•	Administration -	
♥ Welcome	•				🗢 How
Upload new Help and s Project webs User mailing Network test	support site (http://oper list (http://oper ing	ello firstna mezone Euro nread messa dit your profile meetings.apa meetings.ap	ame la pe/Mad ges <u>0</u> 2 ache.org ache.org	astname drid g) g/mail-lists.html)	How to
∽ My room	s				
My conferend Users 0 / 25	ce room (for 1- ∾	16 users)	Inter	Click on a room to get the room details Room #	
My webinar r Users 0 / 150	room (for 1-12 0 ∾	O users)	Enter	Comment Users in this room	

...this is the page of configurations...

Home 🝷	Rooms - Record	dings - Administration -	
50 🗾 🖬 «	4 1 2 IN IN	Search	🗒 🌣 🖶 💥
≎ ID	≎ Key	≎ Value	Configuration
12	mail.smtp.connection. timeout	30000	Key ffmpeg_path
13	mail.smtp.timeout	30000	value
14	application.name	OpenMeetings	Last update
15	default_lang_id	1	
16	swftools_zoom	100	Comment Pach 10 FFMPEG
17	swftools_jpegquality	85	
18	swftools_path		
19	imagemagick_path		
20	sox_path		
21	ffmpeg_path		
22	office.path		
23	jod.path	/opt/jod/lib	
24	rss_feed1	http://mail-archives.apache.org /mod_mbox/openmeetings- user/?format=atom	\mathbb{N}_1
25	rss_feed2	http://mail-archives.apache.org /mod_mbox/openmeetings- dev/?format=atom	
26	sendEmailAtRegister	0	
27	sendEmailWithVerfic ationCode	0	
28	default_export_font	TimesNewRoman	
29	default.rpc.userid	1	
30	application.base.url	http://localhost:5080 /openmeetings/	
31	red5sip.enable	no	
32	red5sip.room prefix	400	

...introduce the parameters for the conversion of files, the audio and the video:

Clic on: swftools_path...and to the right in Value type: /usr/bin Clic on: imagemagick_path...and to the right in Value type: /usr/bin Clic on: sox_path...and to the right in Value type: /usr/local/bin Clic on: ffmpeg_path...and to the right in Value type: /usr/local/bin Clic on: office.path...and to the right in Value type (32 bit): /usr/lib/libreoffice Clic on: office.path...and to the right in Value type (64 bit): /usr/lib/libreoffice Clic on: jod.path...and to the right in Value type: /opt/jodconverter-core-3.0-beta-4/lib

Now there is OpenMeetings ready to work rightly.

15)

We are going to remove files and folders that already do not serve us, if you do not want to save them.

rm -f /opt/jodconverter-core-3.0-beta-4-dist.zip

rm -f /opt/mysql-connector-java-5.1.34.jar

rm -f /opt/sox-14.4.1.tar.gz

rm -f -R /opt/sox-14.4.1

And this is all.

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

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

Thank you

Alvaro Bustos