

Set up and use Apache Openmeetings in 30 minutes

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APACHECON
EUROPE

CORINTHIA HOTEL
BUDAPEST, HUNGARY
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Agenda

- Who am I?
- Preparing system / Installing
- Performing basic install
- Project overview
- Overview available features
- Install additional services
- Perform basic customization
- Integration demo
- QA



Who I am

- Siberia/Russia
- software developer ~15 years. Java/C++/PHP/...
- Openmeetings > 3 years
-



Preparing System / Installing

The following commands need to be executed to install basic OM (based on Ubuntu system)

```
cd

mkdir work

cd work

wget
http://dev.mysql.com/get/Downloads/Connector-J/mysql-connector-java-5.1.34.tar.gz

tar -xzf mysql-connector-java-5.1.34.tar.gz

wget
https://builds.apache.org/view/M-R/view/OpenMeetings/job/Openmeetings%203.0.x/lastSuccessfulBuild/artifact/3.0.x/dist/apache-openmeetings-3.0.4.r1633867-23-10-2014\_1630.tar.gz
11/19/14
```



Preparing System / Installing

```
sudo apt-get install mysql-server mysql-client xvfb libreoffice  
imagemagick ghostscript ubuntu-restricted-extras libart-2.0-2  
libgif4 unzip sox openjdk-7-jre-headless
```

```
sudo apt-get install apache2 libapache2-mod-proxy-html
```

```
cd /opt/
```

```
sudo mkdir red5
```

```
cd red5
```

```
sudo tar -xzf ~/work/apache-openmeetings-3.0.4.r1637690-09-11-  
2014_1550.tar.gz
```

```
sudo cp webapps/openmeetings/WEB-INF/classes/META-  
INF/mysql_persistence.xml webapps/openmeetings/WEB-  
INF/classes/META-INF/persistence.xml
```



Preparing System / Installing

```
sudo cp ~/work/mysql-connector-java-5.1.34/mysql-connector-java-5.1.34-bin.jar webapps/openmeetings/WEB-INF/lib/
```

```
mysql -uroot -p
```

```
CREATE DATABASE openmeetings DEFAULT CHARACTER SET utf8 COLLATE utf8_general_ci;
```

```
sudo chown -R nobody:nogroup /opt/red5
```

script from

<https://code.google.com/p/openmeetings/wiki/UbuntuLucidLTS>

```
sudo vim /etc/init.d/red5
```

```
sudo chmod a+x /etc/init.d/red5
```

```
sudo service red5 start
```




Performing basic web install



OpenMeetings

OpenMeetings - Installation

Userdata

Username	<input type="text" value="admin"/>
Userpass	<input type="password" value="****"/>
E-Mail	<input type="text"/>
User Time Zone	<input type="text" value="Etc/GMT-6"/>


Organisation(Domains)

Name	<input type="text"/>
------	----------------------

< Previous Next > Last Finish




Project Overview: Dashboard

**OpenMeetings** [Contacts and messages](#) | [Profile](#) | [Logout](#) | [Report a bug](#) | [About](#)

[Home](#) ▾ | [Rooms](#) ▾ | [Recordings](#) ▾ | [Administration](#) ▾

Welcome



Hello Max Solo
Timezone Asia/Novosibirsk
Unread messages [6](#)
[Edit your profile](#)

[Upload new image](#)

Help and support

[Project website \(http://openmeetings.apache.org\)](http://openmeetings.apache.org)
[User mailing list \(http://openmeetings.apache.org/mail-lists.html\)](http://openmeetings.apache.org/mail-lists.html)
[Network testing](#)

How to conference

How to conference

- 1 Press start
- 2 Choose room
- 3 Check setup
- 4 Start conference

OpenMeetings, your web conferencing platform. You can either follow the 1-2-3 steps to enter a conference room directly or you choose the Calendar to set up and plan a meeting.


[START](#)
[Calendar](#)

My rooms


My conference room (for 1-16 users) Users 0 / 25 ▾	Enter	<i>Click on a room to get the room details</i> Room # Comment Users in this room <input type="text"/>
My webinar room (for 1-120 users) Users 0 / 150 ▾	Enter	



Project Overview: Calendar

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Home ▾ Rooms ▾ Recordings ▾ Administration ▾

<< < > >> today  **Nov 16 — 22 2014** Month Week Day

	SU 11/16	MO 11/17	TU 11/18	WE 11/19	TH 11/20	FR 11/21	SA 11/22
06							
07					07:00 - 10:00 Not a meeting at all		
08					=		
09		09:00 - 12:30 Important meeting					
10		=		10:00 - 11:00 Not important meeting			
11			11:00 - 14:00 Another Important meeting	=			
12		=	=				
13							
14							
15							
16							
17							
18						18:00 - 21:00 Party	
19						=	
20							
21							



Project Overview: Recordings

OpenMeetings [Contacts and messages](#) [Profile](#) [Logout](#) [Report a bug](#) [About](#)

Home Rooms Recordings Administration

My recordings

- New folder
- Interview 18.06.2014 15:48:11
- Interview 19.06.2014 05:45:33
- Interview 19.06.2014 06:09:50
- Interview 25.08.2014 09:49:44
- Interview 25.08.2014 09:58:57
- Interview 25.08.2014 10:04:33
- Interview 25.08.2014 10:09:58
- Interview 25.08.2014 11:34:54
- Interview 25.08.2014 11:42:33
- Interview 28.08.2014 10:25:42
- Interview 28.08.2014 10:35:17
- Interview 28.08.2014 10:50:43
- Recording 12.10.2014 08:55:58**
- Recording 25.03.2014 16:30:43
- Recording 29.04.2014 17:49:02
- Recording 29.04.2014 18:18:05
- Recording 29.08.2014 04:53:59

Public recordings

- Public recordings (dated)
- Public recordings (Openmeetings)

Home drive size 600.5 MB
Public drive size 568.6 MB
Name Recording 12.10.2014 08:55:58
Length 00:00:20.489
Date Sun Oct 12 08:56:16 CEST 2014
Room public Conference Room

AVI FLV

Java Console - Screen Sharing Application

```
DEBUG 10-12 13:55:45.559 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -4:: Select your screen area
DEBUG 10-12 13:55:45.559 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -5:: Change width
DEBUG 10-12 13:55:45.559 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -6:: Change height
DEBUG 10-12 13:55:45.559 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -7:: X-Offset
DEBUG 10-12 13:55:45.559 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -8:: Y-Offset
DEBUG 10-12 13:55:45.559 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -9:: Width
DEBUG 10-12 13:55:45.559 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -10:: Height
DEBUG 10-12 13:55:45.559 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -11:: Connection was closed by server
DEBUG 10-12 13:55:45.559 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -12:: Show mouse position to viewers
DEBUG 10-12 13:55:45.559 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -13:: Recording
DEBUG 10-12 13:55:45.560 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -14:: You may record and share your screen at the same time. To r
DEBUG 10-12 13:55:45.560 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -15:: Start recording
DEBUG 10-12 13:55:45.560 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -16:: Stop recording
DEBUG 10-12 13:55:45.560 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -17:: Close
DEBUG 10-12 13:55:45.560 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -18:: Quality of the screen share:
DEBUG 10-12 13:55:45.560 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -19:: Very high quality
DEBUG 10-12 13:55:45.560 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -20:: High quality
DEBUG 10-12 13:55:45.560 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -21:: Medium quality
DEBUG 10-12 13:55:45.560 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -22:: Low quality
DEBUG 10-12 13:55:45.560 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -23:: Publish
DEBUG 10-12 13:55:45.560 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -24:: Start Publish
DEBUG 10-12 13:55:45.560 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -25:: Stop Publish
DEBUG 10-12 13:55:45.561 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -26:: Host
DEBUG 10-12 13:55:45.561 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -27:: Publish App
DEBUG 10-12 13:55:45.561 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -28:: Publish Id
DEBUG 10-12 13:55:45.561 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -29:: Reduce the width of the SharingScreen before you try to mov
DEBUG 10-12 13:55:45.561 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -30:: Reduce the height of the SharingScreen before you try to mov
DEBUG 10-12 13:55:45.561 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -31:: Reduce the x of the SharingScreen before you try to make it h
DEBUG 10-12 13:55:45.561 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -32:: Reduce the y of the SharingScreen before you try to make it h
DEBUG 10-12 13:55:45.561 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -33:: Fill these settings stream your screen data to 3th party provid
DEBUG 10-12 13:55:45.561 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -34::
DEBUG 10-12 13:55:45.561 138 o.a.o.s.w.CoreScreenShare [javawsApplicationMain] -35::
INFO 10-12 13:55:54.833 254 o.r.c.n.r.BaseRTMPCl
INFO 10-12 13:55:55.033 165 o.s.s.c.ThreadPoolTas
INFO 10-12 13:55:55.207 159 o.r.s.n.r.RTMPhandsh
INFO 10-12 13:55:55.208 186 o.r.s.n.r.RTMPhandsh
INFO 10-12 13:55:55.298 251 o.r.s.n.r.RTMPhandsh
DEBUG 10-12 13:55:55.299 46 o.a.o.s.w.RTMPScreer
ERROR 10-12 13:55:55.559 158 o.r.s.s.ServiceInvoke
DEBUG 10-12 13:55:55.618 219 o.a.o.s.w.CoreScre
ERROR 10-12 13:55:55.900 462 o.r.i.a.input [NioProc
ERROR 10-12 13:55:55.905 158 o.r.s.s.ServiceInvoke
DEBUG 10-12 13:55:56.036 643 o.a.o.s.w.g.ScreenSt
DEBUG 10-12 13:55:56.119 679 o.a.o.s.w.CoreScre
DEBUG 10-12 13:55:56.120 682 o.a.o.s.w.CoreScre
```


Response is too slow
rong he 10/29/14 9:05 AM **Chat messages is not synchronized in time to the dialog box, it is necessary to refresh,**

Max Solo 11/4/14 6:55 PM You just need to access <http://om.alteametasoft.com:5080/openmeetings/#user/record> instead of <http://om.alteametasoft.com/openmeetings/#user/record> everything works momentarily in this case 😊

Send



Project Overview: Contacts and messages

 **OpenMeetings** [Contacts and messages](#) | [Profile](#) | [Logout](#) | [Report a bug](#) | [About](#)

Home ▾ Rooms ▾ Recordings ▾ Administration ▾ Loading ...

My Profile **Contacts and messages** Edit settings Search users Widgets

Messages (6)



50 [Navigation icons] Search

From	Subject	Send
79 Max Solo <solomax666@gmail.com>	body test	10/2/14 4:36 AM
81 Max Solo <solomax666@gmail.com>	test1	10/2/14 4:36 AM
82 Max Solo <solomax666@gmail.com>	test1	10/2/14 4:36 AM
95 seba wagner <seba.wagner@gmail.com>	seba wagner would like to add you as contact.	10/2/14 4:36 AM
07 seba wagner <seba.wagner@gmail.com>	Test Test Test	10/2/14 4:36 AM

Actions ... Delete Mark read Mark unread Move to folder ... ▾

From:
To:
Subject:

Pending contacts (0)
Contacts and messages (1)

Name	Actions
seba wagner	 

Long he 10/29/14 9:05 AM Response is too slow

rong he 10/29/14 9:05 AM Chat messages is not synchronized in time to the dialog box, it is necessary to refresh.

Max Solo 11/4/14 6:55 PM You just need to access <http://om.alteametasoft.com:5080/openmeetings/#user/record> instead of <http://om.alteametasoft.com/openmeetings/#user/record> :) everything works momentarily in this case 😊

😊 A B I S U

Send



Project Overview: Rooms



OpenMeetings

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Public rooms
Public rooms are accessible for all users

conference room with micro option set Users 0 / 32	Enter
interview room2 Users 1 / 2	Enter
Public Conference Moderated Chat Users 0 / 10	Enter
public Conference Room Users 0 / 32	Enter
public Interview Room Users 0 / 16	Enter
Public Moderated Conference Room Users 0 / 8	Enter
public Restricted Room Users 0 / 100	Enter
public Video And Whiteboard Room Users 0 / 32	Enter
public Video Only Room Users 0 / 32	Enter
restricted room with micro option set Users 0 / 100	Enter
Room for Public Users 0 / 32	Enter

Click on a room to get the room details

Room interview room2 #4144

Comment
Users in this room

 solomax since 11/4/14



Project Overview: Admin->Users

OpenMeetings [Contacts and messages](#) [Profile](#) [Logout](#) [Report a bug](#) [About](#)

Home Rooms Recordings Administration

50 Search New record

User ID	Login	First name	Last name
1	admin	firstname	lastname
2	vasya	Vasily	Degtyarev
3	iarkh	Ирина	
4	afedotov	Alexei	Fedotov
5	simonmuha	Simon	Muha
6	librereus	libra	reus
7	erufenix	erufenix	
8	numb	numb	numb
9	dhay	dave	Hay
10	nirvanabrz	Silvio	Mendes
11	test	test	test
12	ting	prenty	prenty
13	test1	test	test
14	abc890	abc	ccc
15	lcq_us	lcq	qin
16	11111111	33333333	22222222
17	sxron	Eugene	Svetlakov
18	leon	leon	feng
19	lion	leon	h
20	Doud	Doudidou	Doud
21	singthai1974	Putai	Norasing
22	cubbi90@web.de	Daniel	Becker
23	Temasab	TemaS	Sab
24	Duluu	Munkhdul	Mendbayar
25	user356	medic	medic
26	vpiancastelli	mauro	mauri
27	simo	simo	simo
28	cartcurt	ferdi	uzun
29	danilk89	Danil	KOmarov
30	elancedemo	elancedemo	elance
31	demo1	elance	demo
32	bekorchi	nustam	shermatov

User details

Login
Password
Title/first name Mr
Last name
Timezone Asia/Novosibirsk
Language english
Email address
Phone
Send SMS
Birthday 11/4/14
Street/No
Post code/Town
Country Afghanistan
Address
Usergroup
Type user
Owner ID
Inserted
Updated
 Check "Timezone message" to give users a message next time they login to update their profile.
Timezone message
Rights

Community settings



Project Overview: Room

The screenshot shows a software interface for a conference room. The main window has a menu bar with 'EXIT', 'Files', and 'Actions'. Below the menu bar, there are tabs for 'Whiteboard' and 'Whiteboard 1'. The 'Users' panel on the left shows a list of users: 'Max' and 'Solo *', each with a status indicator (green checkmark). The 'Choose device' dialog box is open, showing options for 'Choose published devices' (Audio and video), 'Choose webcam' (HP Truevision HD (064e:e264)), 'Choose micro' (Default), and 'Cam resolution' (120x90 [4:3 (~20 KByte/sec)]). It also features a 'Start recording test' button, a 'Level-meter' with a 'PLAY' button, and a 'Start conference' button. The 'Desktop sharer' dialog box is also open, showing a 'Start sharing' button, a 'Notify on disconnect' checkbox, and a 'Select your screen area' section with a preview window and numerical input fields for Width (1,306), Height (1,080), X-Offset (1,894), and Y-Offset (0). It also includes a 'Quality of the screen share' section with 'High quality' and '10 F...' dropdowns, and a 'Start recording' button. The background interface includes a whiteboard area, a 'Full-Fit 100' dropdown, and a 'Chat' window at the bottom.



Overview Available features

Open installed Openmeetings live and check which features are working as expected and which are not



Install Additional Services

- Compile ffmpeg
<https://trac.ffmpeg.org/wiki/CompilationGuide/Ubuntu>
- Set-up jodconverter
<https://jodconverter.googlecode.com/files/jodconverter-core-3.0-beta-4-dist.zip>

- SwfTools

<https://launchpad.net/~ella-animation/+archive/ubuntu/dev/+sourcepub/1278042/+listing-archive-extra>

```
sudo apt-get install libjpeg62; sudo dpkg -i swftools_0.9.1-0maverick2_amd64.deb
```

```
echo "swftools hold" | sudo dpkg --set-selections
```



Install Additional Services/Check

- Check recordings
- Check documents sharing
- Check screensharing



Perform Basic Customization

- Customize logo and colors

`webapps/openmeetings/public/themes/basic-theme/general/logo.png`

`webapps/openmeetings/css/theme_om/jquery-ui-1.10.4.custom.css`


`webapps/openmeetings/public/theme.xml`

- Set-up https/rtmps



Integration Demo

- Perform integration with Moodle



Set up and use Apache
Openmeetings in 30
minutes