

Installation Guide for

Openfire, Karaka and Skype in Debian Linux

Setup and download Java:

Open sources.list file using "vi /etc/apt/sources.list" and insert the following lines if not already there in the file.

```
deb http://ftp.uk.debian.org/debian/ etch main
#deb-src http://ftp.uk.debian.org/debian/ etch main
```

```
deb http://security.debian.org/ etch/updates main contrib
#deb-src http://security.debian.org/ etch/updates main contrib
```

```
deb http://www.backports.org/debian etch-backports main contrib non-free
```

Install Java and JRE:

1. apt-get update
2. apt-get upgrade --show-upgraded
3. apt-get install sun-java6-jdk

This processes will take some time so please wait for few minutes

Insatall and start Openfire:

1. cd /usr/local/src
2. mkdir openfire
3. cd openfire
4. wget http://www.igniterealtime.org/downloadServlet?filename=openfire/openfire_3.6.3_all.deb and please wait until you get message "`openfire_3.6.3_all.deb' saved".
5. "dpkg -i openfire_3.6.3_all.deb" this will install openfire in your system
6. Please ignore the warning messages mentioned below

```
adduser: Warning: that home directory does not belong to the user you are currently creating.
```

7. Now please use "ps -elf | grep openfire" to see that openfire is running or not. You will see output like below

```
ps -elf | grep openfire
4 S openfire 2209  1 3 85  0 - 53049 stext 07:18 ?      00:00:02  /usr/lib/jvm/java-6-sun/bin/java -
server - DopenfireHome=/usr/share/openfire - Dopenfire.lib.dir=/usr/share/openfire/lib - classpath /usr/
share/openfire/lib/startup.jar -jar /usr/share/openfire/lib/startup.jar

0 R root    3382 26850 0 78  0 - 712 -   07:20 pts/0  00:00:00 grep openfire
```

Installing important packages:

1. apt-get install subversion
2. apt-get install libapache2-svn
3. apt-get install xfonts-base
4. apt-get install xbase-clients
5. apt-get install xutils
6. apt-get install dbus
7. apt-get install screen
8. apt-get install xvfb
9. Xvfb :125 & please ignore messages like below
10. export DISPLAY=:125

```
error opening security policy file /etc/X11/xserver/SecurityPolicy
Could not init font path element /usr/X11R6/lib/X11/fonts/misc, removing from list!
Could not init font path element /usr/share/fonts/X11/cyrillic, removing from list!
Could not init font path element /usr/share/fonts/X11/100dpi/:unscaled, removing from list!
Could not init font path element /usr/share/fonts/X11/75dpi/:unscaled, removing from list!
Could not init font path element /usr/share/fonts/X11/Type1, removing from list!
Could not init font path element /usr/X11R6/lib/X11/fonts/Type1, removing from list!
Could not init font path element /usr/share/fonts/X11/100dpi, removing from list!
Could not init font path element /usr/share/fonts/X11/75dpi, removing from list!
Could not init font path element /var/lib/defoma/x-ttcidfont-conf.d/dirs/TrueType, removing from list!
```

Installing And Configuring Bind9:

1. apt-get install bind9
2. Please open file using "vi /etc/bind/named.conf.local" and add the below lines to that file and save then exit from that file using "escape : x"

```
zone "<yourdomain>" {
    type master;
    file "/etc/bind/db.<yourdomain>";
};
```

10. Create a file for DNS entries using "touch /etc/bind/db.<yourdomain>"
11. Now open this file add the entries mentioned below.

```
;
; BIND data file for local loopback interface
;
$TTL 604800
@ IN SOA localhost. root.localhost. (
    1 ; Serial
    604800 ; Refresh
    86400 ; Retry
    2419200 ; Expire
    604800 ) ; Negative Cache TTL
;
@ IN NS localhost.
@ IN A 127.0.0.1
<yourdomain> IN A <YourserverIP>
```

Here <yourdomain> is the hostname of your server and <YourserverIP> is the server ip address.

You can follow the links mentioned for detailed information and help regarding bind9 installation and configuration and dns configuration "<https://help.ubuntu.com/community/BIND9ServerHowto>" and "<https://help.ubuntu.com/community/BIND9ServerHowto#Primary%20Master%20Server%20configuration>"

12. `vi /etc/resolv.conf` and add the line `nameserver 127.0.0.1`
13. `/etc/init.d/bind9 restart` and you will see messages like below

```
Stopping domain name service...: bind.  
Starting domain name service...: bind.
```

Installing Different Python Packages:

1. `apt-get install python-all`
2. `apt-get install python-json`
3. `apt-get install python-simplejson`
4. `apt-get install python-ctypes`
5. `apt-get install python-crypto`
6. `apt-get install python-pyasn1`
7. `apt-get install python-mysqldb`
8. `apt-get install python-pyxml`
9. `apt-get -y --force-yes install | grep python-pyxml`
10. `cd apt-get -y --force-yes install | grep python-pyxml`

Download KARAKA Code And Copy It To Proper Place:

1. `cd /usr/local/src/`
2. `mkdir karaka`
3. `cd karaka`
4. `svn checkout http://karaka.googlecode.com/svn/trunk/ karaka`
5. `cp -rf karaka/ /opt/`
6. `cd /opt/karaka/`
7. `cp conf/*.conf /etc/`
8. `cp bin/* /etc/init.d/`

SKYPE Package Related Installations:

1. `cd /usr/local/src`
2. `wget http://nchc.dl.sourceforge.net/sourceforge/skype4py/Skype4Py-1.0.31.0.tar.gz`
3. `tar -xvf Skype4Py-1.0.31.0.tar.gz`
4. `cd /usr/local/src/Skype4Py-1.0.31.0/Skype4Py/API`
5. `cp /opt/karaka/deps/Skype4Py-karaka.diff .`
6. `patch < Skype4Py-karaka.diff` and you will see the output as mentioned below

```
patching file posix_x11.py  
Hunk #1 succeeded at 298 with fuzz 1 (offset 20 lines).  
Hunk #2 succeeded at 334 (offset 15 lines).  
Hunk #3 succeeded at 346 (offset 15 lines).
```

7. verify libx11 path by running `"dpkg -L libx11-6 | grep libX11"` and you will see output like

below

```
<yourdomain>:/usr/local/src# dpkg -L libx11-6 | grep libX11
/usr/lib/libX11.so.6.2.0
/usr/lib/libX11.so.6
```

8. `vi posix_x11.py` and goto line 143 and comment it with '#' in front of the line
9. Insert the line `"libpath = "/usr/lib/libX11.so.6.2.0"` just below it and then save and exit from that file using `"escape : x"`
10. `cd ../../`
11. Now we build skype using command `"python setup.py install"`
12. `cd ../`
13. Now we download skype client using command `"wget http://download.skype.com/linux/skype-debian_2.0.0.72-1_i386.deb"`
14. `apt-get -f install`

15. install skype client: `dpkg -i skype-debian_2.0.0.72-1_i386.deb` and you will messages like below

```
(Reading database ... 32951 files and directories currently installed.)
Preparing to replace skype 2.0.0.72-1 (using skype-debian_2.0.0.72-1_i386.deb) ...
Unpacking replacement skype ...
Setting up skype (2.0.0.72-1) ...
```

Karaka Database Creation and Configuration:

1. `apt-get install mysql-server mysql-client`
2. Change root password using `mysqladmin -u root password="zs5e3v"`
3. `mysql -h 127.0.0.1 -u root -p` to see all the databases and use password 'zs5e3v'
4. Create Karaka database using command `"mysql -uroot -pzs5e3v < /opt/karaka/karaka/api/createdb.sql"`
5. Now connect to mysql using command `"mysql -u mzs -p mzs"` and password is zs5e3v
6. After getting mysql prompt use command `"use karaka;"` then `"show tables;"` this will display like below

```
mysql> use karaka
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
Database changed
mysql> show tables;
+-----+
| Tables_in_karaka |
+-----+
| log                |
| registrations      |
+-----+
```

7. GRANT ALL ON karaka.* to 'karaka'@'localhost' identified by 'karaka';

Openfire Configurations:

You can surely follow the link [installing-openfire-and-spark-debian-etch](#)

1. Open the following URL in any browser <http://<YourserverIP>:9090/setup/index.jsp> and this will open openfire setup wizard start page
2. Select English and press continue button and which is selected by default
3. Now you are in "Server Settings" page and press "continue" button on the bottom right corner of the page
4. Now you are in "Database Settings" page and press "continue" button on the bottom right corner of the page
5. Now you are in "Profile Settings" page and press "continue" button on the bottom right corner of the page
6. Provide a valid email address and passwords of your choice and then press "continue" button like soumya@<anyValidname>.com and password <provide password>\$
7. So setup is complete and press the "Login to the administrative console" button
8. Please login using admin and password <provide password>\$
9. Now goto "Server Settings" Tab and choose "External Components"
10. Now select "enabled" radio button and enter "<anyValidname>IM" in the "Default shared secret:" text box and leave everything unchanged and press the "Save settings" button
11. Next come to [Users/Groups](#) page and select "create new user" link and here we have to create 4 users with proper passwords see image createNewUser.jpg

| userName | Password |
|----------|--------------------|
| ----- | ----- |
| dialback | <provide password> |
| slave01 | <provide password> |
| register | <provide password> |
| testuser | <provide password> |

12. Please refer to image [users_summery.jpg](#) and you should see 4 users created and all are offline now.

You can follow these series of pictures displayed below to configure Openfire.

Openfire Admin Console: Component Sessions - Mozilla Firefox

http://213.152.241.173:9090/component-session-summary.jsp

Openfire 3.6.3
Logged in as admin - [Logout](#)

Server | Users/Groups | **Sessions** | Group Chat | Plugins

Active Sessions | Tools

- Client Sessions
- Server Sessions
- Component Sessions

Component Sessions

Connected External Components: 2 - Sessions per page: 15

Below is a list of connected external components to this server. You can also modify the [external components settings](#).

| Domain | Name | Category | Type | Creation Date | Last Activity | Close Connection |
|-------------------|-------------------------------|-----------|-----------|---------------|---------------|------------------|
| skype.zenon173 | Vipadia Ltd Skype Gateway | gateway | skype | 12:48 PM | 12:53 PM | |
| skypemuc.zenon173 | Vipadia Ltd Skype Muc Gateway | x-service | x-unknown | 12:48 PM | 12:53 PM | |

List last updated: Jul 21, 2009 12:53:26 PM

Server | Users/Groups | Sessions | Group Chat | Plugins

Built by [Jive Software](#) and the [laniteRealtime.org](#) community

Downloads | SkypedPy.1.0.31

Done

start | Inbox for soumya... | 213.152.241.173... | Openfire Admin C... | zenmco_2005 - M... | Instruction.txt - N... | karaka | clientSession.jpg - ... | 12:53 PM

Openfire Admin Console: Create User - Mozilla Firefox

http://213.152.241.173:9090/user-create.jsp

Openfire 3.6.3
Logged in as admin - [Logout](#)

Server | **Users/Groups** | Sessions | Group Chat | Plugins

Users | Groups

- User Summary
- Create New User
- User Search

Create User

Use the form below to create a new user.

Create New User

Username: *

Name:

Email:

Password: *

Confirm Password: *

Is Administrator? (Grants admin access to Openfire)

* Required fields

Server | Users/Groups | Sessions | Group Chat | Plugins

Built by [Jive Software](#) and the [laniteRealtime.org](#) community

Downloads | SkypedPy.1.0.31

Done

start | Inbox for soum... | 213.152.241.1... | 2 Notepad | Openfire Admi... | Karaka_chat.d... | zenmco_2005 - ... | Google Talk | users_summer... | 11:12 AM

Openfire Admin Console: Gateway Settings - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://213.152.241.173:9090/plugins/gateway/gateway-settings.jsp pidgin

Most Visited Getting Started Latest Headlines

Server Users/Groups Sessions Group Chat Plugins

Server Manager Server Settings Media Services Gateways

Settings Registrations

Gateway Settings

Select which gateways will be allowed, what features are available, and who can connect to each gateway service. Checking a gateway enables the service.

- AOL Instant Messenger Tests Options Permissions
aim.zenon173
- Gadu-Gadu Tests Options Permissions
gadugadu.zenon173
- ICQ Tests Options Permissions
icq.zenon173
- IRC Tests Options Permissions
irc.zenon173
- MSN Messenger Tests Options Permissions
msn.zenon173
- Yahoo! Messenger Tests Options Permissions
yahoo.zenon173

Experimental Gateways

The following gateways are experimental and are not recommended in a production environment. They are provided for those interested in trying out unstable services and are comfortable knowing they may not work correctly.

Done

start Inbox for soumya@al... instruction.txt - Note... Openfire Admin Cons... 213.152.241.173 - P... Buddy List 1:51 PM

Openfire Admin Console: Plugins - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://213.152.241.173:9090/plugin-admin.jsp pidgin

Most Visited Getting Started Latest Headlines



Openfire 3.6.3
 Logged in as admin - [Logout](#)

Server Users/Groups Sessions Group Chat **Plugins**

Plugin Admin

- Plugins
- Available Plugins

Plugins

Plugins add new functionality to the server. The list of plugins currently installed is below. To download new plugins, please visit the [Available Plugins](#) page.

| Plugins | Description | Version | Author | Restart | Delete |
|------------|--|---------|------------------|---------|--------|
| IM Gateway | Provides gateway connectivity to the other public instant messaging networks | 1.2.4d | Daniel Henninger | | |

Upload Plugin

Plugin files (.jar) can be uploaded directly by using the form below.

Done

start | Inbox for soumya@al... | instruction.txt - Note... | Openfire Admin Cons... | 213.152.241.173 - P... | Buddy List | gateway.jpg - Paint | 1:52 PM

Openfire Admin Console: Client Sessions - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://213.152.241.173:9090/session-summary.jsp

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Installing Openfire 3.3.3 & Spark 2.5.7 ... How to install MySQL on Ubuntu/Debia... MySQL :: MySQL 5.1 Reference Manual... Installing Subversion on Debian Etch C... Openfire Admin Console: Client S...



Openfire 3.6.3
Logged in as admin - [Logout](#)

Server Users/Groups **Sessions** Group Chat Plugins

Active Sessions Tools

- Client Sessions
- Server Sessions
- Component Sessions

Client Sessions

Active Client Sessions: 2 -- Sessions per page:

Refresh: (seconds)

| Name | Resource | Status | Presence | Priority | Client IP | Close Connection |
|----------------------------|----------|---------------|----------|----------|-----------|------------------|
| 1 register | register | Authenticated | Online | 0 | 127.0.0.1 | |
| 2 slave01 | slave | Authenticated | Online | 0 | 127.0.0.1 | |

List last updated: Jul 21, 2009 12:51:44 PM

Downloads [SlavedPy.1.0.21](#) Done

start Inbox for soumya... 213.152.241.173 ... Openfire Admin C... zenmco_2005 - M... instruction.txt - N... karaka usersStatus.jpg ... 12:51 PM

Openfire Admin Console: User Summary - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://213.152.241.173:9090/user-summary.jsp

Most Visited Getting Started Latest Headlines

Installing Openfire 3.3.3 & Spark 2.5.7 ... How to install MySQL on Ubuntu/Debia... MySQL :: MySQL 5.1 Reference Manual... Installing Subversion on Debian Etch C... Openfire Admin Console: User Su...



Openfire 3.6.3
Logged in as admin - [Logout](#)

Server **Users/Groups** Sessions Group Chat Plugins

Users Groups

[User Summary](#)
[Create New User](#)
[User Search](#)

User Summary

Total Users: 4 -- Sorted by Username -- Users per page: 15

| Online | Username | Name | Created | Last Logout | Edit | Delete |
|--------|--------------------------|---------------|--------------|-------------|------|--------|
| 1 | admin | Administrator | Jul 21, 2009 | | | |
| 2 | dialback | dialback | Jul 21, 2009 | | | |
| 3 | register | register | Jul 21, 2009 | | | |
| 4 | slave01 | slave01 | Jul 21, 2009 | | | |

Server | [Users/Groups](#) | [Sessions](#) | [Group Chat](#) | [Plugins](#)

Built by [Jive Software](#) and the [laniteRealltime.org](#) community

Downloads SlippedPy.1.0.01 Clear

Done

start | [Inbox for soumya@al...](#) | [213.152.241.173 - P...](#) | Openfire Admin Cons... | [zenmco_2005 - Micro...](#) | [instruction.txt - Note...](#) | [karak](#) | 12:51 PM

Server | [Users/Groups](#) | [Sessions](#) | [Group Chat](#) | [Plugins](#)

Built by [Jive Software](#) and the [laniteRealltime.org](#) community

Done

start | [Inbox for soumya@al...](#) | [instruction.txt - Note...](#) | Openfire Admin Cons... | [213.152.241.173 - P...](#) | 1:43 PM

Karaka Configurations:

1. `cd /etc` and then open configuration file "`vi karaka-slave.conf`" and delete every line from line 36 means from `[slave02]` and now your file will look like as shown below

karaka-slave.conf file

```
[slave01]
secret=secret
port=5222
server=server.example.com
domain=example.com
component=skype.example.com
muc=skypemuc.example.com

slave_secret=slave_secret
capacity=10
base=100
```

2. Now we will change 5 attributes as "`secret`", "`server`", "`domain`", "`component`" and `muc` and now the file will look like as shown below

Modified Slave.conf

```
[slave01]
secret=<provide password>
port=5222
server=<YourserverIP>
domain=<yourdomain>
component=skype.<yourdomain>
muc=skypemuc.<yourdomain>

slave_secret=slave_secret
capacity=10
base=100
```

3. `secret`: This is the password for user slave01 created in openfire "`Users/Gruoups`"
4. `server`: This is the server ip address where karaka ans openfire are installed
5. `domain`: This is the servers domain name
6. Please change domain name properly for component and muc and leave other thins unchanged
7. Now save and exit from the karaka-slave.conf
8. open karaka configuration file "`vi karaka-register.conf`"
9. Now we will change 5 attributes as "`password`", "`secret`", "`server`", "`domain`", "`master`" and now the file will look like as shown below

karaka-register.conf

```
[mysql]
server=localhost
database=karaka
user=root
password=zs5e3v

[register]
register=register
secret=<provide password>
port=5222
server=<YourserverIP>
domain=<yourdomain>
master=skype.<yourdomain>
```

10. **password:** This is the karaka database password/ mysql password
11. **secret:** This is the password for user register created in openfire "Users/Gruoups"
12. **server:** This is the server ip address where karaka ans openfire are installed
13. **domain:** This is the servers domain name
14. Please change domainname properly for master and leave other thins unchanged
15. Now save and exit from the karaka-slave.conf
16. open karaka configuration file "**vi karaka-master.conf**"
17. Now we will change 5 attributes as "**secret**", "**server**", "**domain**", "**dialback_secret**", "**register**", "**component**" and "**muc**" and now the file will look like as shown below

karaka-master.conf

```
[master]
component=skype.<yourdomain>
muc=skypemuc.<yourdomain>
secret=<anyValidname>IM
port=5275
server=<YourserverIP>
domain=<yourdomain>
dialback=dialback
dialback_secret=<provide password>
register=register@<yourdomain>/register ; node == resource, always
slave_secret=slave_secret
```

18. **secret:**This is the shared secret configuraed in openfire "**server settings**" -->"**external components**" --> "**shared secret**"
19. **server:** This is the server ip address where karaka ans openfire are installed
20. **domain:** This is the servers domain name
21. **dialback_secret:**This is the password for user "**dialback**" created in openfire

"Users/Gruoups"

22. don't forgot change proper domain name in [component](#), [muc](#) and [register](#)

Karaka Script Related Changes:

1. `cd /etc/init.d/`
2. There are total three scripts of our use related to karaka those are "[karaka-master](#)", "[karaka-slave](#)" and "[karaka-register](#)"
3. In all the three scripts controller will be `CONTROLLER="/opt/karaka/"` not "`/opt/karaka/trunk`"
4. Please remove all the "`sudo`" commands in all the scripts and files will look like as shown below

[KARAKA-MASTER](#)

```
PATH=/usr/local/sbin:/usr/local/bin:/sbin:/bin:/usr/sbin:/usr/bin
SCREEN=/usr/bin/screen
CONTROLLER="/opt/karaka/master.py"
PIDFILE="/tmp/karaka_master.pid"
NAME=karaka-master
DESC=KarakaMaster
```

```
test -x $DAEMON || exit 0
```

```
set -e
```

```
case "$1" in
  start )
    echo -n "Starting $DESC: "
    $SCREEN -S $NAME -d -m $CONTROLLER
    echo "$NAME."
    ;;
  stop )
    echo -n "Stopping $DESC: "
    [ -f $PIDFILE ] && kill `cat $PIDFILE`
    echo "$NAME."
    ;;
  restart|force )
    echo -n "Restarting $DESC: "
    [ -f $PIDFILE ] && kill `cat $PIDFILE`
    sleep 1
    $SCREEN -S $NAME -d -m $CONTROLLER
    echo "$NAME."
    ;;
  * )
    N=/etc/init.d/$NAME
    echo "Usage: $N {start|stop|restart}" >&2
    exit 1
```

```
;;
esac
```

KARAKA-REGISTER SCRIPT

```
PATH=/usr/local/sbin:/usr/local/bin:/sbin:/bin:/usr/sbin:/usr/bin
SCREEN=/usr/bin/screen
CONTROLLER="/opt/karaka/register.py"
PIDFILE="/tmp/karaka_register.pid"
NAME=karaka-register
DESC=KarakaRegister
```

```
test -x $DAEMON || exit 0
set -e
```

```
case "$1" in
  start )
    echo -n "Starting $DESC: "
    $SCREEN -S $NAME -d -m $CONTROLLER
    echo "$NAME."
    ;;
  stop )
    echo -n "Stopping $DESC: "
    [ -f $PIDFILE ] && kill `cat $PIDFILE`
    echo "$NAME."
    ;;
  restart|force )
    echo -n "Restarting $DESC: "
    [ -f $PIDFILE ] && kill `cat $PIDFILE`
    sleep 1
    $SCREEN -S $NAME -d -m $CONTROLLER
    echo "$NAME."
    ;;
  * )
    N=/etc/init.d/$NAME
    echo "Usage: $N {start|stop|restart}" >&2
    exit 1
    ;;
esac
```

KARAKA-SLAVE SCRIPT

```
PATH=/usr/local/sbin:/usr/local/bin:/sbin:/bin:/usr/sbin:/usr/bin
SCREEN=/usr/bin/screen
CONTROLLER="/opt/karaka/slave.py"
PIDFILE="/tmp/karaka_$2.pid"
NAME=karaka-$2
DESC=KarakaSlave
```

```
test -x $DAEMON || exit 0
```

```

set -e

case "$1" in
start )
    echo -n "Starting $DESC: "
    $SCREEN -S $NAME -d -m $CONTROLLER $2
    echo "$NAME."
    ;;
stop )
    echo -n "Stopping $DESC: "
    [ -f $PIDFILE ] && kill `cat $PIDFILE`
    echo "$NAME."
    ;;
restart|force )
    echo -n "Restarting $DESC: "
    [ -f $PIDFILE ] && kill `cat $PIDFILE`
    sleep 1
    $SCREEN -S $NAME -d -m $CONTROLLER $2
    echo "$NAME."
    ;;
* )
    N=/etc/init.d/$NAME
    echo "Usage: $N {start|stop|restart}" >&2
    exit 1
    ;;
esac

```

Running Karaka:

1. Now we will run "[karaka-master](#)", "[karaka-register](#)" and "[karaka-slave](#)"
2. `cd /opt/karaka`
3. `/etc/init.d/karaka-master start`
4. `/etc/init.d/karaka-register start`
5. `/etc/init.d/karaka-slave start slave01`
6. use command `screen -ls` and you will see three detached screen sessions as shown below

There are screens on:

```

5230.karaka-slave01 (Detached)
5199.karaka-register (Detached)
5142.karaka-master (Detached)
3 Sockets in /var/run/screen/S-root.

```

7. Now goto each screen and on each process console type command "[status](#)" and it should display connected as shown below.
8. use `screen -r screenName` to connect to the screen and use [quit to disconnect](#) it from that console.

```

karaka register> status
Status = CONNECTED

```

```
karaka master> status
Status = master:CONNECTING, muc:CONNECTING
```

```
karaka slave> status
Status = CONNECTED
```

9. Now please open three openfire settings pages and refer to the saved screenshots from the images directory and both should match.
10. a) <http://<YourserverIP>:9090/user-summary.jsp> (user-summary.jpg)
b) <http://<YourserverIP>:9090/session-summary.jsp> (session-summary.jpg)
c) <http://<YourserverIP>:9090/component-session-summary.jsp> (component-session-summary.jpg)
11. Run skype binary using command "echo "skype_userName <provide password>" | skype --pipeloin" where "skype_userName" is the skype user name and "<provide password>" is the password

Installing and configuring XMPP client

1. download pidgin from url "<http://biznetnetworks.dl.sourceforge.net/sourceforge/pidgin/pidgin-2.5.8.exe>"
2. After successful download install pidgin in your windows and choose all the default settings from installation wizard.
3. Now please open URL "<http://<YourserverIP>:9090/available-plugins.jsp>" and install IM Gateway Plugin by pressing + sign at the right side of the row
4. Next goto the URL "<http://<YourserverIP>:9090/plugins/gateway/gateway-settings.jsp>" and select all the available gateways
5. Please refer to images [gateway.jpg](#) and [plugin.jpg](#) from images folder
6. Now start pidgin from your desktop
7. Now add the XMPP account configured in openfire to pidgin by selecting **Accounts-->Manage Accounts-->Add**
8. From advanced tab enter the server address where openfire is installed and leave everything unchanged ([pidgin4.jpg](#))
9. Please follow the images from [pidgin1.jpg](#) to [pidgin4.jpg](#)
10. No change status from "Offline" to "Available"
11. After successful select "Buddies" --> "Add Buddie" ([pidgin5.jpg](#))
12. Add a buddy [register@<yourdomain>](#) and please refer image ([pidgin6.jpg](#))
13. Now your pidgin user list will look like image ([pidgin7.jpg](#))
14. Double click the Skype user to open the chat window and from there send message `register skype_userName <provide password>` where register is the registration

command, skype_userName is a valid skype user name and <provide password> is the skype password. Please refer [pidgin8.jpg](#)

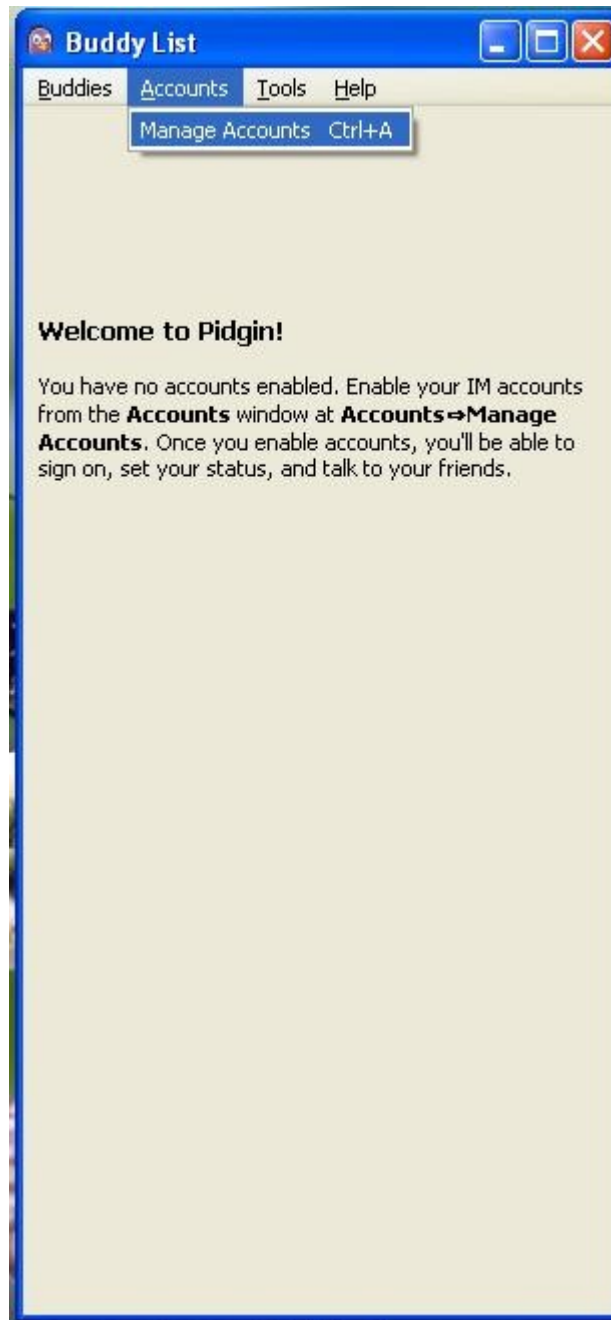
15. Please press enter to send this message and this should register your skype user successfully and you will get confirmation messages. You should get two messages "Registration successful for skype_userName" and "Presence request sent". Please refer to image [pidgin9.jpg](#).
16. After successful registration karka database should display the proper skype user entry in the registration table as shown below.

```
mysql> use karaka;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
```

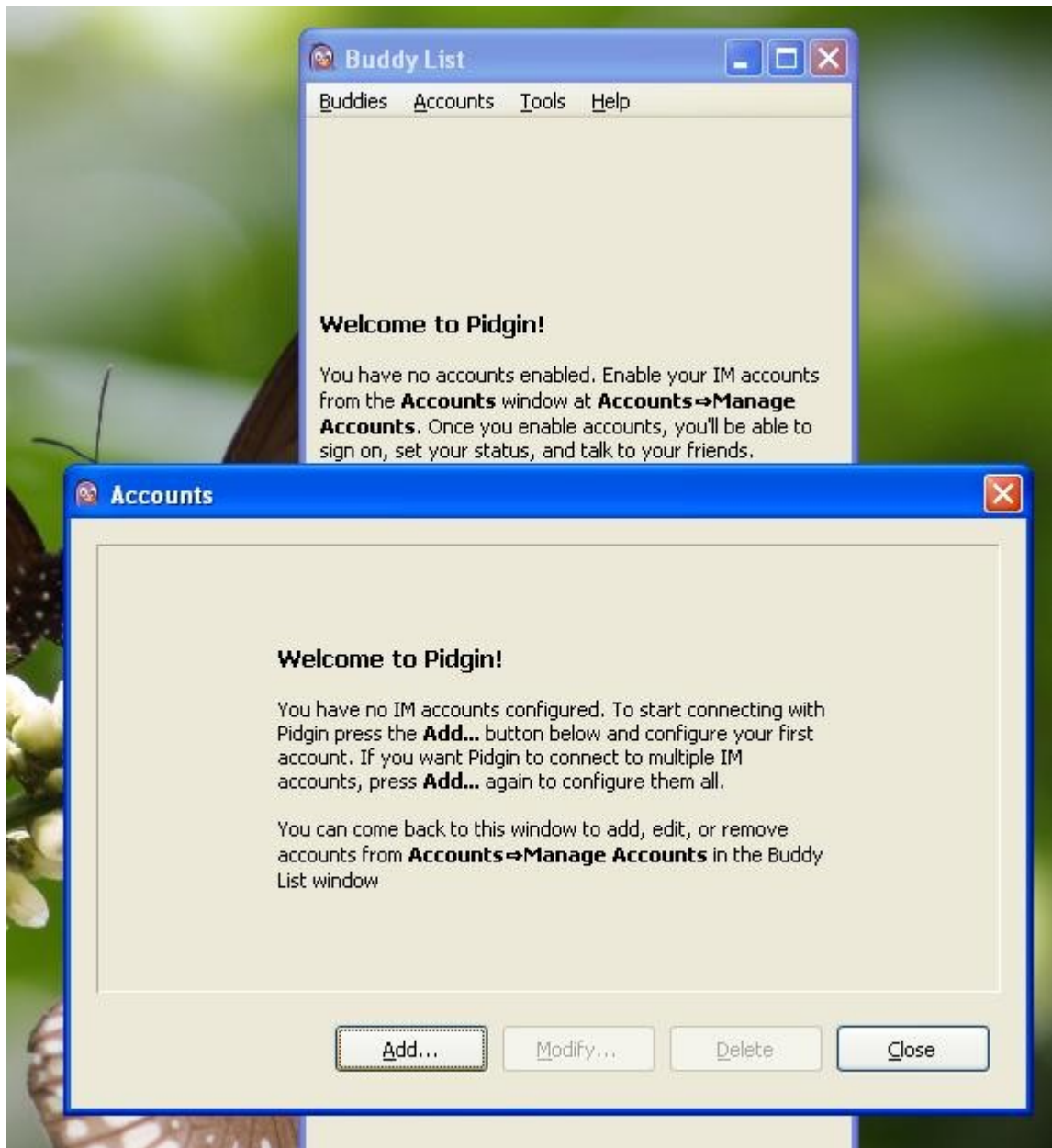
```
Database changed
mysql> show tables;
+-----+
| Tables_in_karaka |
+-----+
| log              |
| registrations    |
+-----+
2 rows in set (0.00 sec)
```

```
mysql> select * from registrations;
+-----+-----+-----+
| userjid      | user      | secret |
+-----+-----+-----+
| testuser@<yourdomain> | skype_userName | <provide password> |
+-----+-----+-----+
1 row in set (0.00 sec)
```

You can follow these series of pictures displayed below to configure your XMPP client pidgin.



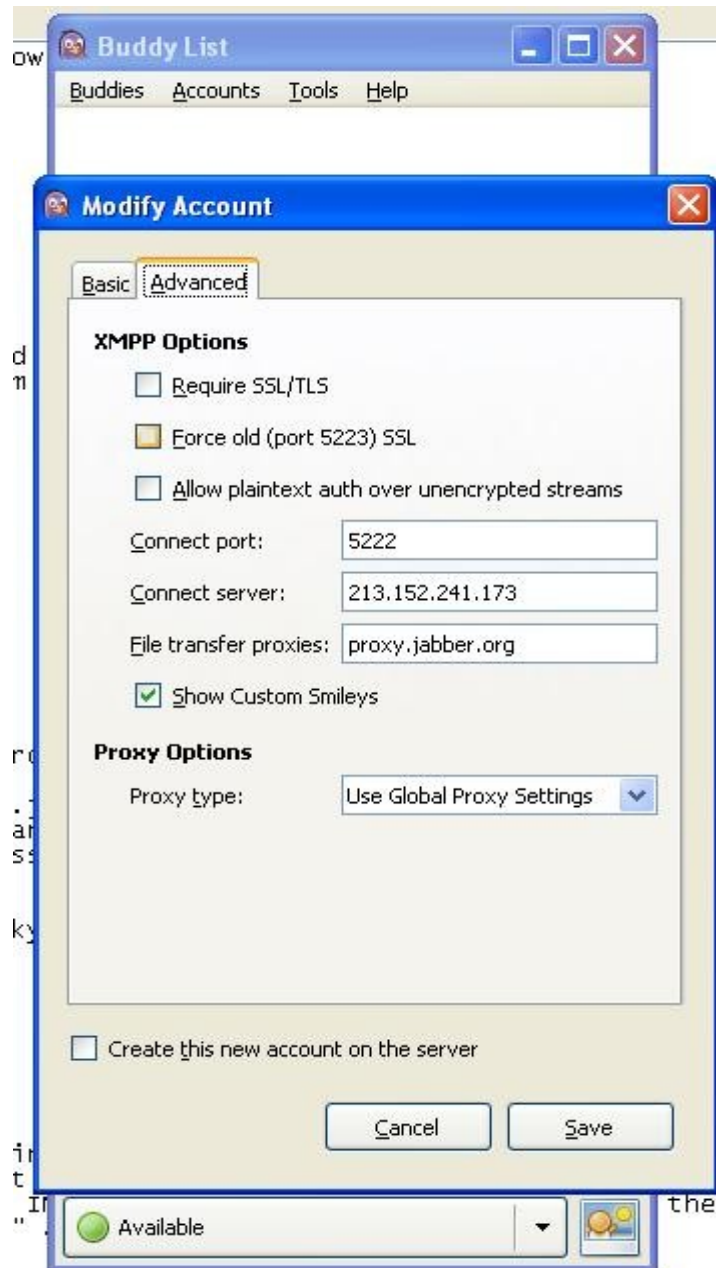
Open / Start Pidgin



Manage / Add XMPP / Jabber Account



Modify / Configure Your Account



manage Accounts-->Add

Provide Server IP

