

# Membangun Instant Messesging server berbasis xmpp jabber dengan openfire dengan Cepat.

---

## Pengertian instant Messesging (pesan singkat)

Pesan instan (bahasa Inggris: *Instant messaging*) adalah sebuah teknologi Internet yang mengizinkan para pengguna dalam jaringan internet untuk mengirimkan pesan-pesan singkat secara langsung pada saat yang bersamaan (*real time*) menggunakan teks kepada pengguna lainnya yang sedang terhubung ke jaringan yang sama.

Disini saya coba menggunakan openfire sebagai IM server nya

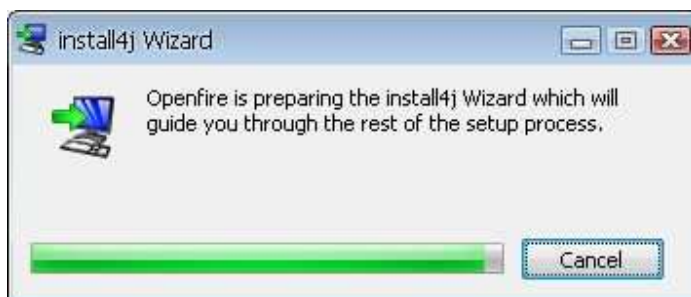
1. Dowload program open fire di

[http://www.igniterealtime.org/downloads/download-landing.jsp?file=openfire/openfire\\_3\\_6\\_3.exe](http://www.igniterealtime.org/downloads/download-landing.jsp?file=openfire/openfire_3_6_3.exe)

2. setelah selesai Install program nya openfire 3.6.3.exe
3. pilih bahasa.



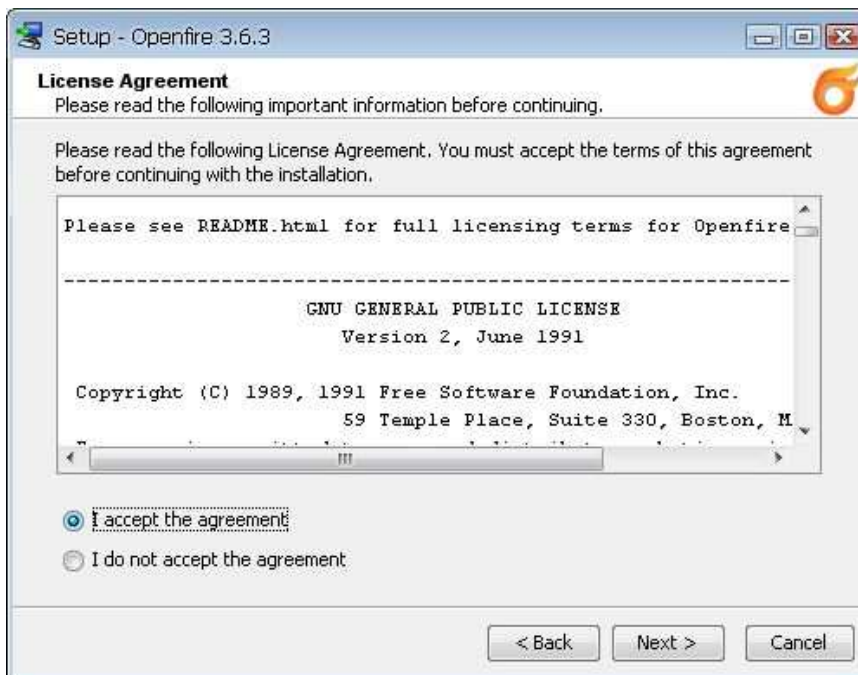
4. sampai selesai



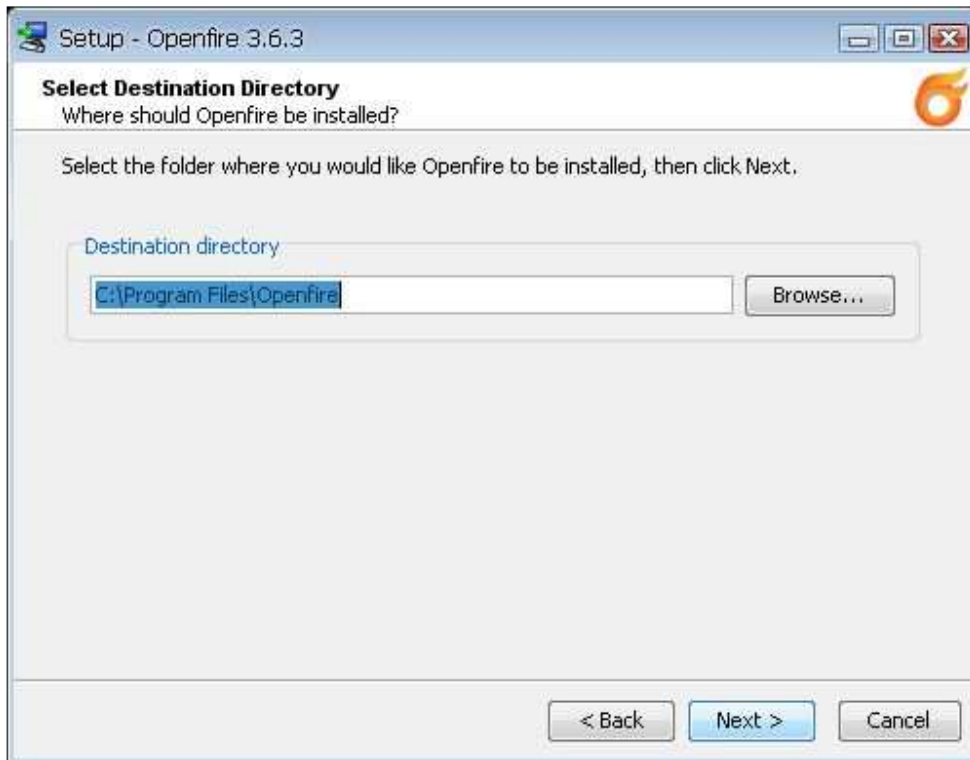
5. klik next



6. pilih accept



## 7. pilih destination



## 8. next



9. sampai proses instalasi selesai



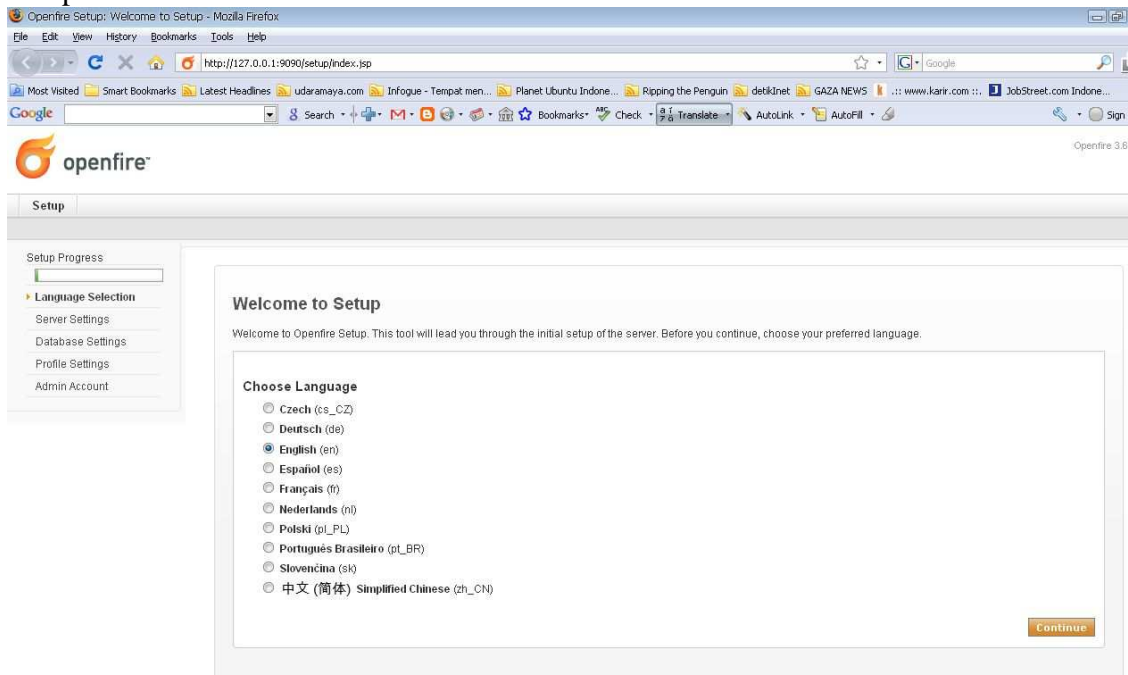
10. tekan finish



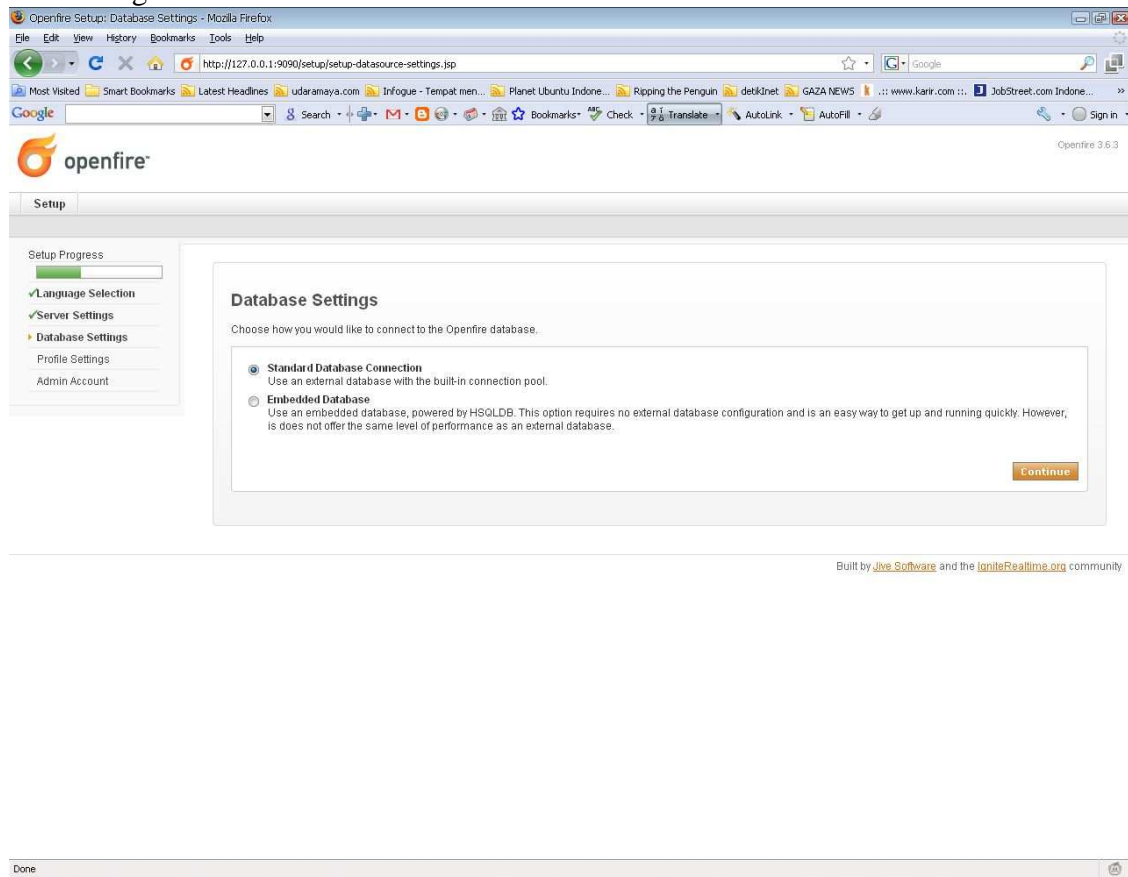
## 11. pilih launch Admin



## 12. pilih bahasa - next



### 13. setting database lalu tekan continue



14. perlu di perhatikan disini ada pertanyaan database apa yg anda gunakan, seperti Microsoft sql, mysql, oracle dll. Karena saya menggunakan open source maka saya pilih mysql. Jika anda blom punya silahkan download mysql terlebih dahulu san install  
Ditahap ini anda perlu memperhatikan

- Pilih database anda = misal mysql
- Database url : jdbc:mysql://localhost:3306/test
- Masukan user dan password samakan dengan administrator mysql
- Lalu tekan continue

Catatan : saya pilih localhost karena di computer sendiri sebagai server



Setup

Setup Progress

- Language Selection
- Server Settings
- Database Settings**
- Profile Settings
- Admin Account

### Database Settings - Standard Connection

Specify a JDBC driver and connection properties to connect to your database. If you need more information about this process please see the database documentation distributed with Openfire.

**Note:** Database scripts for most popular databases are included in the server distribution at [Openfire\_HOME]/resources/database.

**A connection to the database could not be made. View the error message by opening the "logs/error.log" log file, then go back to fix the problem.**

Database Driver Presets:

JDBC Driver Class:

Database URL:

Username:

Password:

Minimum Connections:

Maximum Connections:

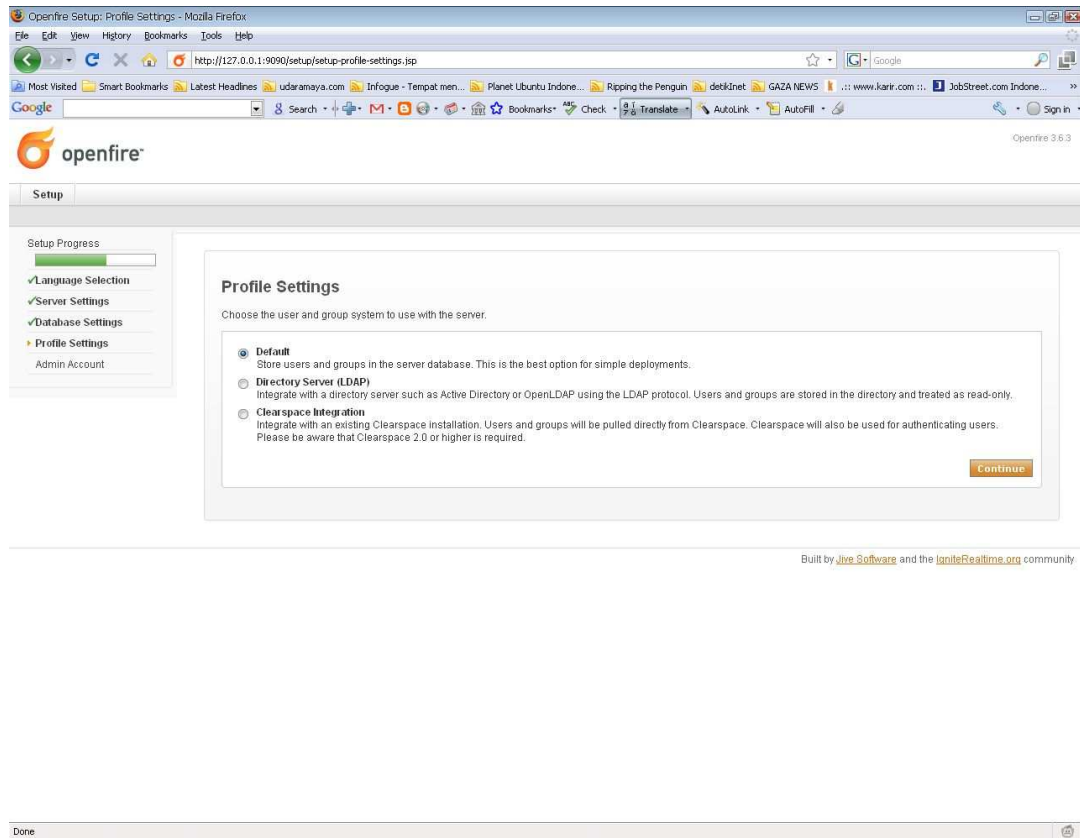
Connection Timeout:  Days

Note, it might take between 30-60 seconds to connect to your database.

Continue

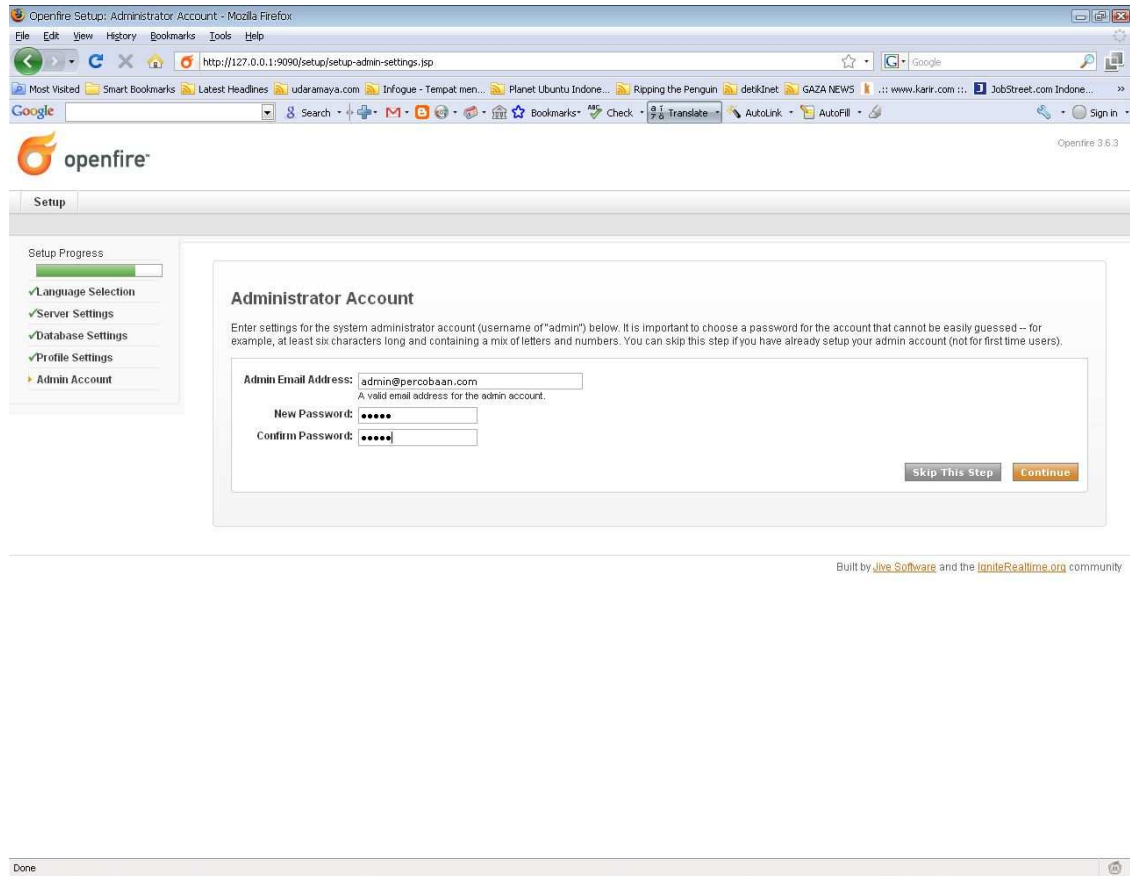
15, klik continue

Karena kita setting sederhana pilih default aja, tetapi untuk perkantoran yg sudah memakai LDAP perlu di konfigurasi lagi



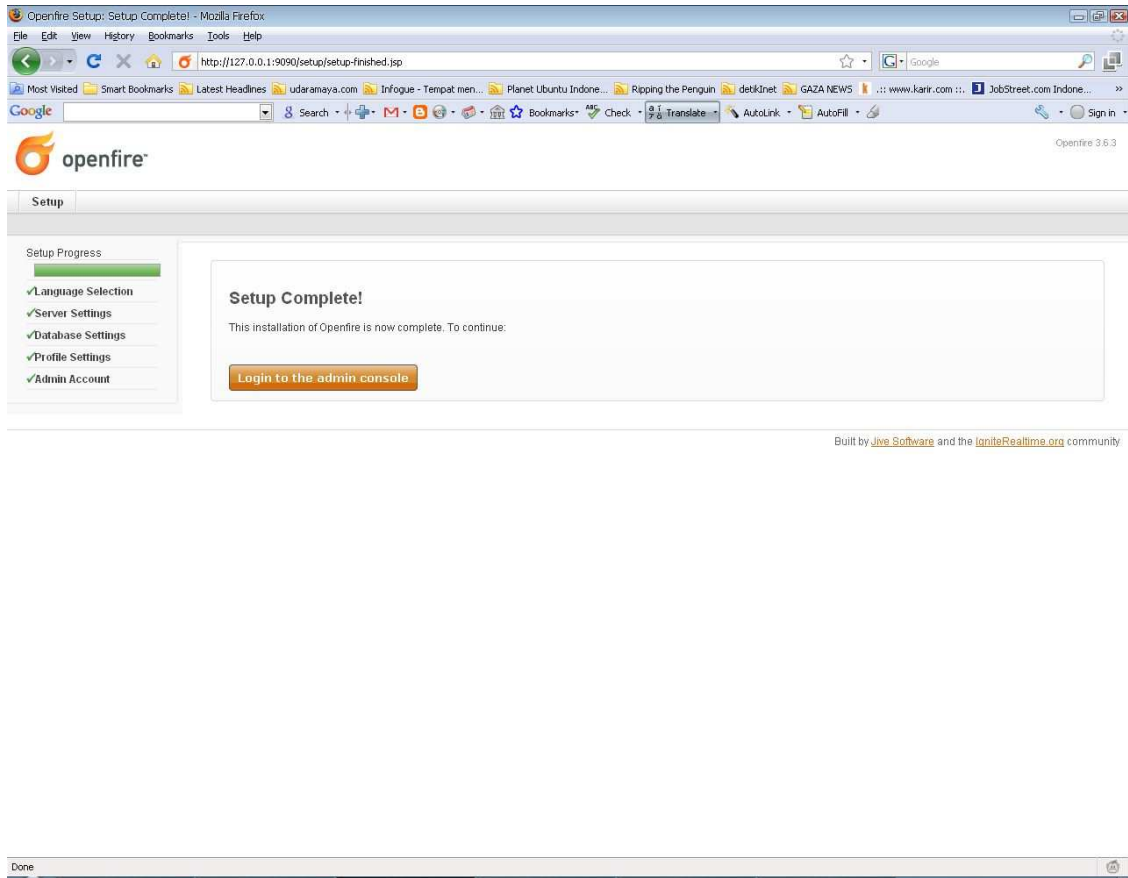


## 16. buat account untuk admin.

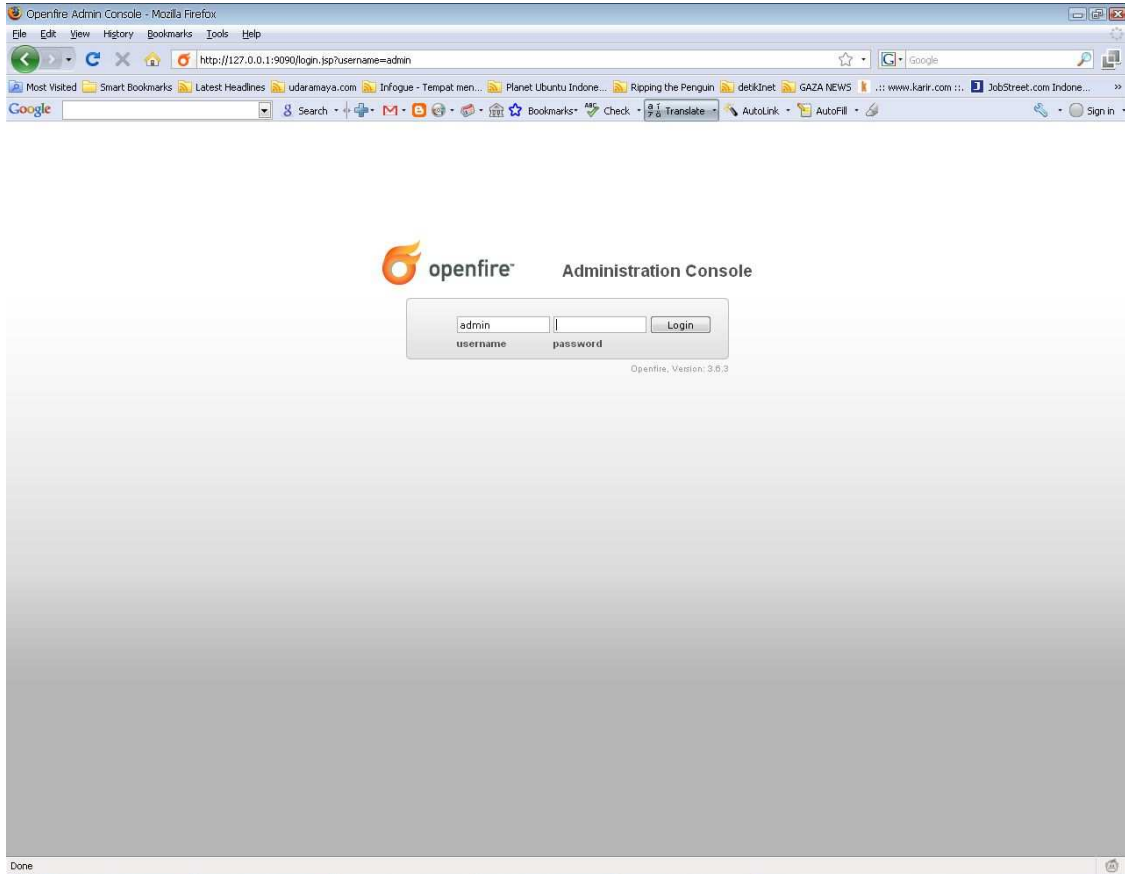


The screenshot shows the Openfire Setup Administrator Account page in a Mozilla Firefox browser. The browser's address bar displays the URL `http://127.0.0.1:9090/setup/setup-admin-settings.jsp`. The page features the Openfire logo and the version number "Openfire 3.5.3" in the top right corner. A "Setup" tab is active, and a "Setup Progress" sidebar on the left lists the following steps: Language Selection, Server Settings, Database Settings, Profile Settings, and Admin Account (which is currently selected). The main content area is titled "Administrator Account" and contains the following text: "Enter settings for the system administrator account (username of 'admin') below. It is important to choose a password for the account that cannot be easily guessed -- for example, at least six characters long and containing a mix of letters and numbers. You can skip this step if you have already setup your admin account (not for first time users)." Below this text are three input fields: "Admin Email Address" with the value `admin@percobaan.com`, "New Password" with masked characters, and "Confirm Password" with masked characters. At the bottom right of the form are two buttons: "Skip This Step" and "Continue". At the bottom of the page, there is a footer that reads "Built by [Jive Software](#) and the [InnateRealtime.org](#) community". The browser's status bar at the bottom shows "Done".

17. selesai



18. masukan username dan password admin.



19. di bagian ini mengenai server informasi dapat di edit. Nama servernya misal percobaan.com atau yg sudah ada domain sendiri silahkan di isi.

The screenshot shows the Openfire Admin Console interface in a Mozilla Firefox browser. The page title is "Openfire Admin Console: Server Information". The browser address bar shows "http://127.0.0.1:9090/index.jsp". The Openfire logo is visible in the top left, and the user is logged in as "admin".

The main content area is titled "Server Information" and contains the following sections:

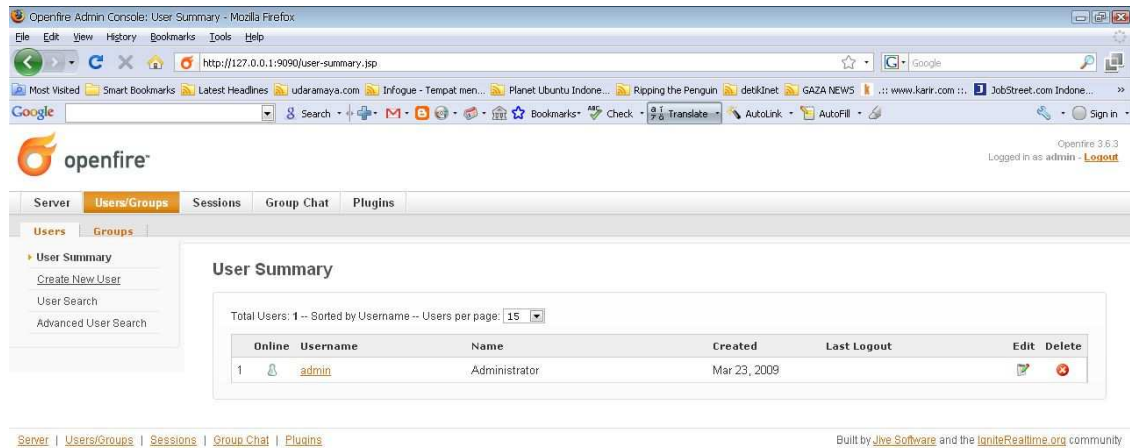
- Server Properties:**
  - Server Uptime: 31 minutes -- started Mar 23, 2009 8:35:32 PM
  - Version: Openfire 3.6.3
  - Server Directory: C:\Program Files\Openfire
  - Server Name: percobaan
- Environment:**
  - Java Version: 1.6\_0\_03 Sun Microsystems Inc. -- Java HotSpot(TM) Server VM
  - Appserver: jetty-6.1.x
  - Host Name: user-89769796fb
  - OS / Hardware: Windows XP / x86
  - Locale / Timezone: en / Indochina Time (7 GMT)
  - Java Memory: 11,77 MB of 63,31 MB (18,6%) used
- Server Ports:**

Interface	Port	Type	Description
All addresses	5222	Client to Server	The standard port for clients to connect to the server. Connections may or may not be encrypted. You can update the <a href="#">security settings</a> for this port.
All addresses	5223	Client to Server	The port used for clients to connect to the server using the old SSL method. The old SSL method is not an XMPP standard method and will be deprecated in the future. You can update the <a href="#">security settings</a> for this port.
All addresses	9090	Admin Console	The port used for unsecured Admin Console access.
All addresses	7777	File Transfer Proxy	The port used for the proxy service that allows file transfers to occur between two entities on the XMPP network.
All addresses	7070	HTTP Binding	The port used for unsecured HTTP client connections.
All addresses	7443	HTTP Binding	The port used for secured HTTP client connections.

On the right side of the page, there is a "Ignite Realtime News" section with several news items:

- [Announcing Jive SBS 3.0](#), Mar 10, 2009
- [Adobe to Open Flash Platform Messaging Protocol](#), Jan 23, 2009
- [Igniterealtime.org Moving Servers](#), Dec 11, 2008
- [Openfire 3.6.3 has been released](#), Jan 10, 2009
- [Openfire 3.6.2 has been released](#), Nov 22, 2008
- [Openfire 3.6.1 has been released](#), Nov 15, 2008

20. untuk menambah user pilih kolom user and group. Untuk user yg akan di beri misal : udin, erna, siska dll



The screenshot shows the Openfire Admin Console interface in a Mozilla Firefox browser. The page title is "Openfire Admin Console: User Summary". The browser address bar shows "http://127.0.0.1:9090/user-summary.jsp". The Openfire logo is visible in the top left, and the version "Openfire 3.6.3" is in the top right. The main navigation bar includes "Server", "Users/Groups", "Sessions", "Group Chat", and "Plugins". The "Users/Groups" section is active, with a sub-menu for "Users" containing "User Summary", "Create New User", "User Search", and "Advanced User Search". The "User Summary" page displays "Total Users: 1 -- Sorted by Username -- Users per page: 15". A table lists the user "admin" with the name "Administrator" and a creation date of "Mar 23, 2009". The table has columns for "Online", "Username", "Name", "Created", "Last Logout", "Edit", and "Delete".

Online	Username	Name	Created	Last Logout	Edit	Delete
1	admin	Administrator	Mar 23, 2009			

http://127.0.0.1:9090/user-create.jsp

## 21. isi user baru dengan lengkap passwordnya

The screenshot shows the Openfire Admin Console interface in a Mozilla Firefox browser. The page title is "Openfire Admin Console: Create User". The URL is "http://1127.0.0.1:9090/user-create.jsp". The browser's address bar shows the URL and search engines like Google. The Openfire logo is visible in the top left, and the user is logged in as "admin" in the top right. The main navigation menu includes "Server", "Users/Groups", "Sessions", "Group Chat", and "Plugins". The "Users/Groups" section is active, and the "Create New User" option is selected in the left sidebar. The "Create User" form is displayed, containing the following fields and options:

- Username: \*
- Name:
- Email:
- Password: \*
- Confirm Password: \*
- Is Administrator?  (Grants admin access to Openfire)

Buttons at the bottom of the form are "Create User", "Create & Create Another", and "Cancel". A note below the form states "\* Required fields". At the bottom of the page, it says "Built by [Jive Software](#) and the [IgniteRealtime.org](#) community". A "Done" status bar is visible at the very bottom, and a "Yahoo! Messenger" window is partially visible in the bottom right corner.

Setelah tahap semua selesai waktu nya pengujian  
Download jabber client seperti : spark, exodus, pidgin dll

## IM CLINET Dengan SPARK

---

Disini saya kasih contoh dengan spark

1. Download spark di [http://www.igniterealtime.org/downloads/download-landing.jsp?file=spark/spark\\_2\\_5\\_8.exe](http://www.igniterealtime.org/downloads/download-landing.jsp?file=spark/spark_2_5_8.exe)
2. Kemudian Install Spark nya di computer client (bukan server yg tadi di install openfire)
3. setelah selesai muncul seperti ini



4. masukan username , password, server samakan servernya dengan yg di setting di openfire.
5. tekan login

6. selesai silahkan pilih teman yg akan di chat.



Selamat mencoba

Di tulis oleh arieweb@yahoo.com