*By Dominique* Published: 2007-11-12 12:22

# Installing Openfire 3.3.3 & Spark 2.5.7 On Debian 4.0 Etch

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This article explains how to install and use Openfire and Spark. Openfire (previously known as Wildfire Server) is a Jabber/XMPP server, and Spark is a Jabber/XMPP client; both are written in Java. Spark is an open source, cross-platform instant messaging client optimized for businesses and organizations.

Note: The installation that we describe below has been made on Debian 4.0 (Etch) with the following elements already installed:

- Debian 4.0 (etch), a base just
- MySQL server 5.0
- PHP5
- Apache2

Our environment:

- IP Address of Debian server: 192.168.2.1
- IP address of the laptop Windows XP client: 192.168.2.3, on which we installed spark
- Domain: dpi-arobasetelecom.ci (it is a test domain)

### **Step 1: Acquisition Of Openfire& Spark Packages**

Download the Openfire .tar file from http://www.igniterealtime.org/downloads/index.jsp

Download the Spark .exe file from <u>http://www.igniterealtime.org/downloads/index.jsp</u>

### **Step 2: Decompress The .Tar Of Openfire**

#tar zxvf openfire\_3\_3\_3.tar.gz

#mv openfire /opt

### Step 3: Installing The Version 1.5.0 Of Java (JRE-1.5.0)

On Debian Etch the Java version is 1.4; then to do it we must add the non-free repositories and make an update before embarking on the installation of Java:

# vim /etc/apt/sources.list

(Below the content of my sources.list file)

# deb cdrom:[Debian GNU/Linux 4.0 r0 \_Etch\_ - Official i386 DVD Binary-1 20070407-11:40]/ etch contrib main #deb cdrom:[Debian GNU/Linux 4.0 r0 \_Etch\_ - Official i386 DVD Binary-1 20070407-11:40]/ etch contrib main

deb http://ftp2.fr.debian.org/debian/ etch main non-free deb-src http://ftp2.fr.debian.org/debian/ etch main non-free

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

*#aptitude update* 

#aptitude install sun-java5-jre

You must accept the terms of DLJ license. To do it you have to answer:

- OK
- OK
- YES

#aptitude install sun-java5-jdk

Before installing the documentation, you need to download the file  $jdk-1_5_0-doc.zip$  from <u>http://java.sun.com/j2se/1.5.0/download.html</u> and transfer it to /tmp.

#aptitude install sun-java5-doc

### **Step 4: Installation Of The Database For Openfire**

Be sure you have installed MySQL version 4.1.18 and later, or 5.x and later.

#mysqladmin â€"u root â€"p create openfire

Then from PhpMyAdmin import the file openfire\_mysql.sql which is located in the directory /resources/database/ in the database created.

Note: This installation made on the server is easier.

Once you've installed the database start Openfire and launch your favorite browser to complete the installation.

#cd /opt/openfire/bin/

#./openfire start

In your browser (either on the client or from the server), launch http://192.168.2.1:9090; you will see the configuration screens below describing five (05) steps:

- Language selection
- Server settings
- Database settings
- Profile settings
- Admin account

## Language Selection

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Choose your preferred language (French (fr) here), and click "Continue" to proceed to the server settings.

## **Server Settings**

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Note: In the area "Domain" the system will take by default the hostname of the server. You must change the value to your domain name - in my case "dpi-arobasetelecom.ci".

## **Database Settings**



Click on "Continue".

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Select MySQL in "Drivers of predefined database" and change the line *jdbc:* mysql: / / [host]: 3306 / [database-name] to these values: host: localhost and database-name: openfire to obtain

jdbc: mysql: / / localhost: 3306/openfire.

The fields "User" and "Password" are those of the connection to MySQL database.

## **Profile Settings**



### Click on "Continue".

### **Admin Account**

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Once done if you do not have an error then everything went well. Congratulations.

http://www.howtoforge.com/

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Click on "connect to administration interface", and you will be introduced to this screen:



### **Summary Of Openfire Server Configuration**

Once you are authenticated to the "administration console" you have a summary of the global configuration of the server (see below):

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Paramètres Email	Version :	Openfire 3.3.3				
Paramètres du	Emplacement de Openfire :	/apt/apenfire				
Serveur	Nom du Serveur :	dpi-arobasetelecom.ci				
Serveur à serveur	Environnement					
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Stockage de données privées	Interface	Port		Туре	Description		
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Paramètres de Compression Paramètres de Transfert de fichiers	All addresses	5223	9	Client to server	The port used for clients to connect to the server using the old SSL metho The old SSL method is not an XMPP standard method and will be deprecated in the future. You can update the <u>security settings</u> for this port		
Media Services	All addresses	5269	9	Server to Server	The port used for remote servers to connect to this server.		
Media Proxy	All addresses	9090		Admin Console	The port used for unsecured Admin Console access.		
STUN Settings	All addresses	9091	9	Admin Console	The port used for secured Admin Console access.		
	All addresses	7777		File Transfer Proxy	The port used for the proxy service that allows file transfers to occur betw two entities on the XMPP network.	reen .	
	All addresses	8080		HTTP Binding	The port used for unsecured HTTP client connections.		
	All addresses	8483	9	HTTP Binding	The port used for secured HTTP client connections.		
	All addresses	3478 & 3479		STUN Senice	The port used for the service that ensures connectivity between entities v behind a NAT.	vhen	
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# **Installing Plugins**

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Les Plugins ajoutent de nouvelles for téléchargé, veuillez patienter un mon	nctionnalités au serveur. La liste des plugir rient le temps qu'il s'installe. Le plugin app	ns installés pour l'instant est ci- araitra ensuite dans la liste ci-d	dessous. Une fors lessous.
Plugins Open Source	Description	Version Auteur	File Size Installer
Asterisk-IM	Integration for Asterisk and Openfire.	1.3.1 Jive Software	415,8 K O
🐨 Broadcast	Broadcasts messages to users.	1.6.0 Sive Software	20,0 К О
Y Centers Film frontability			0
🔺 IM interface	Fournit un accs des rseaux de messagerie instantane publiques	1.1.3a Daniel Henninger	1,1 MB O
🧠 Search	Provides support for Jabber Search (XEP-0055)	1.4.0 Ryan Graham	26,5 K
💪 User Import Export	Enables import and export of user data	2.2.0 Ryan Graham	280,1 K O
Subser Service	Allows administration of users via HTTP requests.	1.3.0 Justin Hunt	14,2 K O
Plugins Commerciaux			
👳 Openfire Entreprise	Openfire édition Entreprise (Commercial).	3.3.3 Jive Software	2,2 MB
5 Spark Fastpath Webchat	Web based chat client for	3.3.3 Jive Software	2,3 MB O
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To install a plug-in, click "Plug-ins available." The list of plug-ins appears, simply click on "+" in the œInstall• column and the plug-ins will be installed.

Note: Two (02) types of plug-ins are available. Personally, we have installed non-commercial plug-ins.

Once the plug-ins installation fininishes, click Plug-ins and you will see the screen below:

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	Y Content Filter	def	ins message packets for ined patterns	1.5.0	Conor Hayes	8	0
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	Registration	Per wh acc	forms various actions enever a new user ount is created.	1.4.0	Ryan Graham	9	0
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## **Installing Spark**

This installation is done on the Windows client.

1°- Double-click the file .exe:

















### Create A New Account With Spark

Click on "Account":





Fill in the "User Name", "Password", "Confirm Password" and "Server" and click on "Create Account". If all goes well, you will have the screen below:



Clicking on "OK" will return you to the home page of Spark with the new settings:



Click "Login" to log in and use Spark.

Note: If you do not want to retype the password to each connection, you can check "Save Password".





Now you can add contacts as much as you want and even initiate conferences, in short what you already know as possible with MSN or Yahoo Messenger. Long lives free software!!!!!!!!!!!!