

Servidor MI

1. Descarreguem el parquet .gz de <https://www.igniterealtime.org/downloads/index.jsp>:

```
[didi@localhost M_INSTANTANEA]$ wget --content-disposition -q https://www.igniterealtime.org/downloadServlet?filename=openfire/openfire_4_6_2.tar.gz
```

2. El descomprimim i l'enviem a /opt:

```
[root@localhost M_INSTANTANEA]# tar xf openfire_4_6_2.tar.gz -C /opt/
```

3. Creem un symbolic link a /etc/init.d/:

```
[root@localhost M_INSTANTANEA]# ln -s /opt/openfire/bin/openfire /etc/init.d/
```

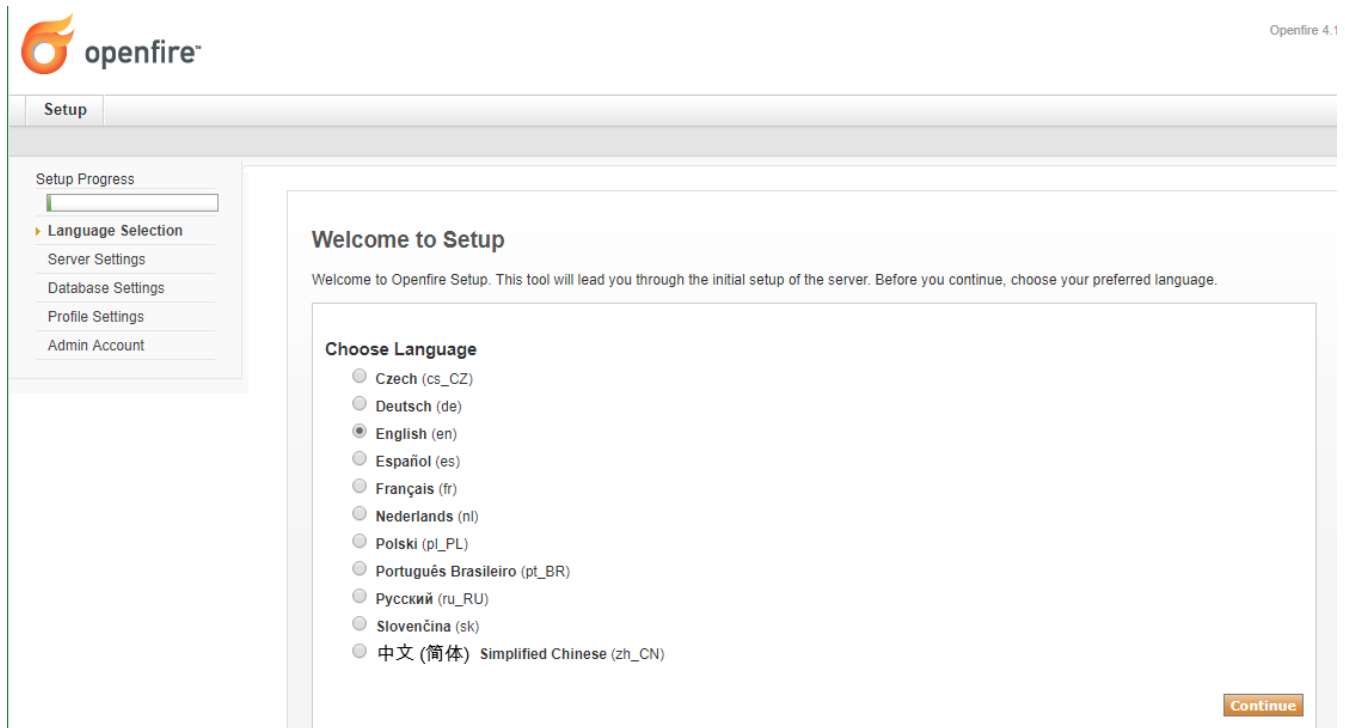
4. Activem i mirem l'estatus del servei:

```
[root@localhost M_INSTANTANEA]# systemctl enable openfire
openfire.service is not a native service, redirecting to systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable openfire
[root@localhost M_INSTANTANEA]# systemctl start openfire
```

```
[root@localhost M_INSTANTANEA]# systemctl status openfire
● openfire.service - LSB: openfire
   Loaded: loaded (/etc/rc.d/init.d/openfire; generated)
   Active: active (running) since Fri 2021-03-26 13:40:09 CET; 8s ago
     Docs: man:systemd-sysv-generator(8)
  Process: 4452 ExecStart=/etc/rc.d/init.d/openfire start (code=exited, status=0/SUCCESS)
    Tasks: 42 (limit: 19094)
   Memory: 337.4M
      CPU: 4.757s
    CGroup: /system.slice/openfire.service
           └─4512 /usr/lib/jvm/java-11-openjdk-11.0.10.0.9-0.fc33.x86_64/bin/java

Mar 26 13:40:09 localhost.localdomain systemd[1]: Starting LSB: openfire...
Mar 26 13:40:09 localhost.localdomain openfire[4452]: Starting openfire
Mar 26 13:40:09 localhost.localdomain systemd[1]: Started LSB: openfire.
lines 1-14/14 (END)...
```

Per comprovar-ho des de un navegador hem de posar a la url: **localhost:9090**



Com veiem ens mostra una pàgina de welcome on haurem de configurar el servei que ho veurem al següent apartat:

Configuració:

1. Un cop hem escollit l'idioma a la pàgina d'abans hem de configurar el servidor:

Server Settings

Below are network settings for this server.

XMPP Domain Name:	<input type="text" value="edt.org"/>	?
Server Host Name (FQDN):	<input type="text" value="edt.org"/>	?
Admin Console Port:	<input type="text" value="9090"/>	?
Secure Admin Console Port:	<input type="text" value="9091"/>	?
Property Encryption via:	? <input checked="" type="radio"/> Blowfish <input type="radio"/> AES	
Property Encryption Key:	<input type="text"/> <input type="text"/>	

Continue

2. En el meu cas faré servir una base dades de MySQL (openfire ve amb HSQLDB per defecte), llavors l'instal·lem i creem una base de dades de nom "openfire" per emmagatzemar el usuaris que anem creant i li donem el permisos necessaris perquè pugui inserir dades i alterar aquestes:

```
[didi@localhost conf]$ mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.4.17-MariaDB MariaDB Server

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> CREATE DATABASE openfire;
Query OK, 1 row affected (0.000 sec)

MariaDB [(none)]> GRANT ALL on openfire.* to 'openfire'@'localhost' IDENTIFIED
BY 'jupiter';
Query OK, 0 rows affected (0.004 sec)
```

```
MariaDB [(none)]> FLUSH PRIVILEGES;  
Query OK, 0 rows affected (0.001 sec)
```

3. Li diem quina base de dades farem servir i a on trobar-la amb la URL:

Database Settings

Choose how you would like to connect to the Openfire database.

- ☒ **Standard Database Connection**
Use an external database with the built-in connection pool.
- ☐ **Embedded Database**
Use an embedded database, powered by HSQLDB. This option requires no external database configuration and is an easy way to get up and running quickly. However, it does not offer the same level of performance as an external database.

Continue

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`.

Database Driver Presets : • MySQL ▼

JDBC Driver Class: ?

Database URL: ?

Username: ?

Password: ?

Minimum Connections: ^ v ?

Maximum Connections: ^ v ?

Connection Timeout: Days ?

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

Continue

Profile Settings

Choose the user and group system to use with the server.

- ☒ **Default**
Store users and groups in the server database. This is the best option for simple deployments.
- ☐ **Only Hashed Passwords**
Store only non-reversible hashes of passwords in the database. This only supports PLAIN and SCRAM-SHA-1 capable clients.
- ☐ **Directory Server (LDAP)**
Integrate with a directory server such as Active Directory or OpenLDAP using the LDAP protocol. Users and groups are stored in the directory and treated as read-only.

Continue

4. Fem servir la configuració per defecte per als usuaris

Profile Settings

Choose the user and group system to use with the server.

- ☒ **Default**
Store users and groups in the server database. This is the best option for simple deployments.
- ☐ **Only Hashed Passwords**
Store only non-reversible hashes of passwords in the database. This only supports PLAIN and SCRAM-SHA-1 capable clients.
- ☐ **Directory Server (LDAP)**
Integrate with a directory server such as Active Directory or OpenLDAP using the LDAP protocol. Users and groups are stored in the directory and treated as read-only.

Continue

5. I guardem i iniciem sessió com administrador

Setup Progress

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

Setup Complete!

This installation of Openfire is now complete. To continue:

[Login to the admin console](#)



Administration Console



admin



password

Login

User Summary

Total Users: 1 -- Sorted by Username -- Users per page:

100 ▾

	Online	Username	Name	Groups	Created	Last Logout	Edit	Delete
1		admin ★	Administrator	None	Mar 26, 2021	Never logged in before.		


Creació usuari:

User Properties

Below is a summary of user properties.

✔ New user created successfully.

User Properties

Username:	mark
Status:	 (Offline)
Is Administrator?:	No
Name:	mark
Email:	mark@edt.org
Registered:	Mar 26, 2021
Groups:	None

Additional Properties


Edit Properties

User Properties

Below is a summary of user properties.

✔ New user created successfully.

User Properties


Username:	javi
Status:	 (Offline)
Is Administrator?:	No
Name:	javi
Email:	javi@edt.org
Registered:	Mar 26, 2021
Groups:	None

Additional Properties

User Properties

Below is a summary of user properties.

✔ New user created successfully.

User Properties	
Username:	christian
Status:	 (Offline)
Is Administrator?:	No
Name:	christian
Email:	christian@edt.org
Registered:	Mar 26, 2021
Groups:	None

En el meus cas he creat 3 usuaris: mark, javi i christian que es podran connectar amb el client **spark**:

Spark:

Instal·lació:

De la pàgina: <https://igniterealtime.org/downloads/#spark> descarreguem el paquet .rpm de spark i l'instal·lem:

```
[root@localhost opt]# wget https://igniterealtime.org/downloadServlet?filename=spark/spark-2.9.4.rpm
```

```
[root@localhost opt]# ls
containerd 'downloadServlet?filename=spark%2Fspark-2.9.4.rpm' google lampp openfire
[root@localhost opt]# dnf -y install downloadServlet?filename=spark%2Fspark-2.9.4.rpm
Last metadata expiration check: 0:09:21 ago on Fri 26 Mar 2021 06:16:54 PM CET.
Dependencies resolved.
=====
Package                                Architecture
=====
Installing:
Spark                                  i386
Transaction Summary
=====
Install 1 Package

Total size: 53 M
Installed size: 71 M
Downloading Packages:
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing      : 
  Installing     : Spark-2.9.4-1.i386
  Running scriptlet: Spark-2.9.4-1.i386
  Verifying      : Spark-2.9.4-1.i386

Installed:
Spark-2.9.4-1.i386

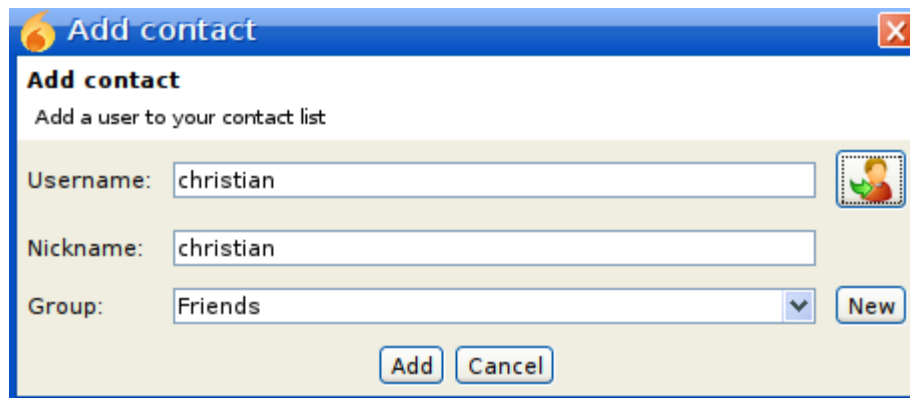
Complete!
```

Comprovació:

Executem spark i fem login amb dos usuaris per tal que puguin parlar entre ells:



Des de l'usuari Mark afegim al usuari Christian:



Add contact

Add a user to your contact list

Username: christian

Nickname: christian

Group: Friends

Add **Cancel** **New**



Subscription request

Allow mark@edt.org to add you to their roster?

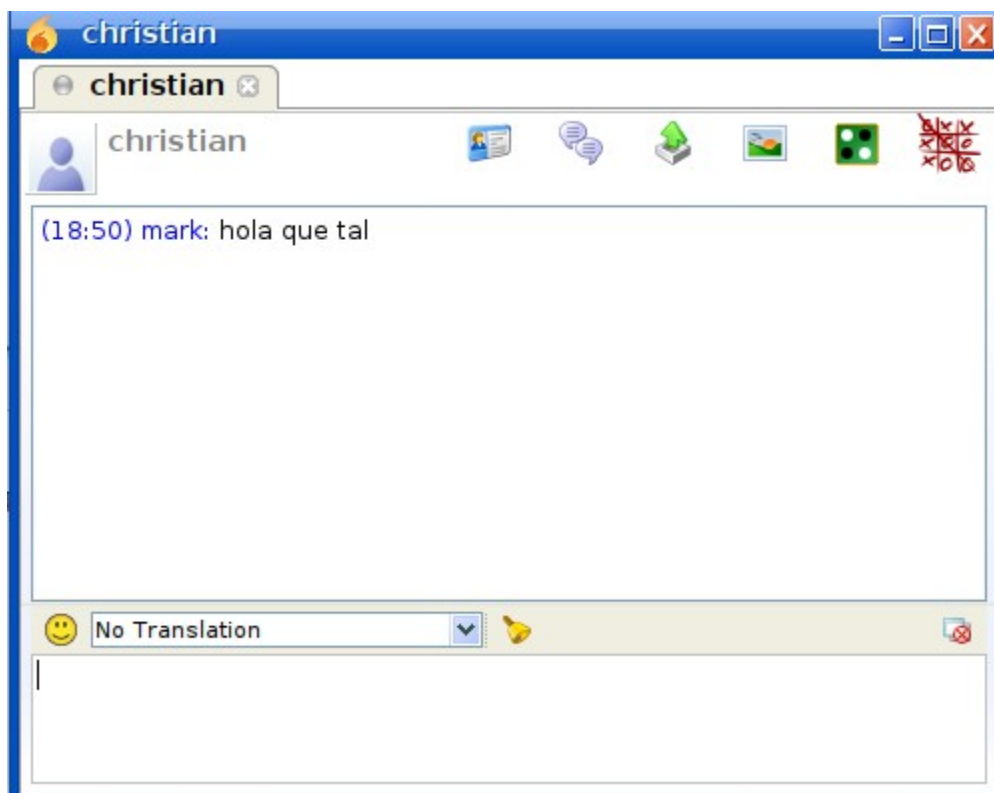
☒ Add user to your roster

Username: mark@edt.org

Nickname: mark

Group: Not in any group

Accept **Profile** **Deny**

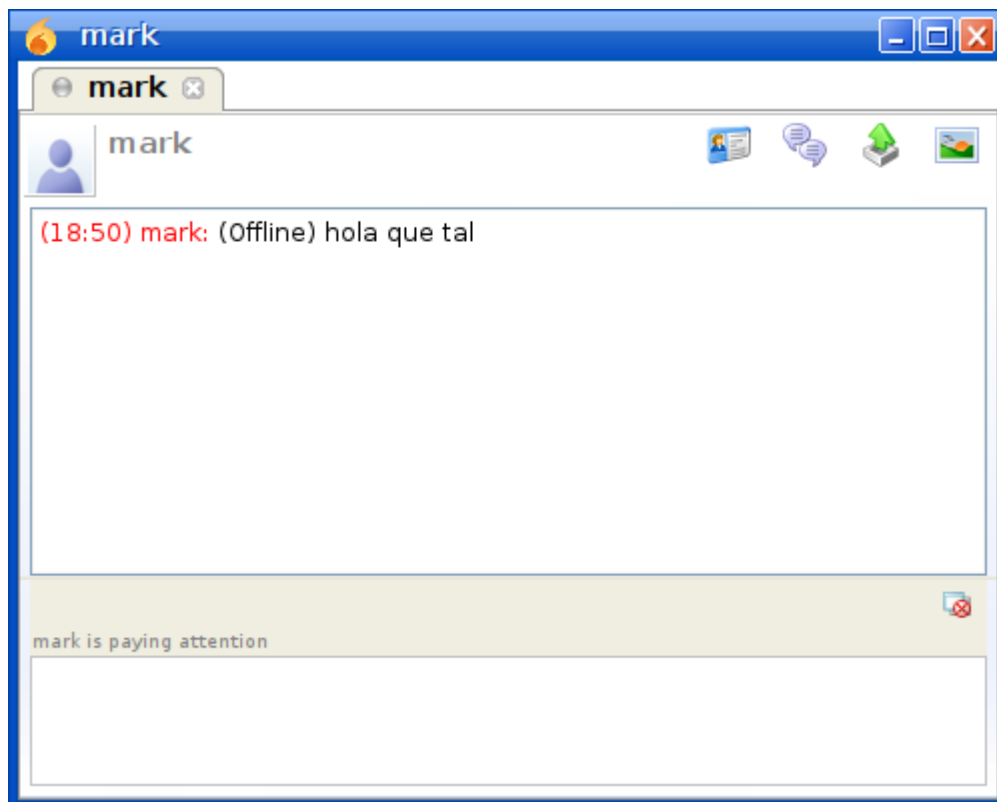


christian

christian

(18:50) mark: hola que tal

No Translation



Veiem que es poden enviar missatges i parlar entre ells