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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 <http://www.igniterealtime.org/downloads/index.jsp>

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 <http://java.sun.com/j2se/1.5.0/download.html> 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.

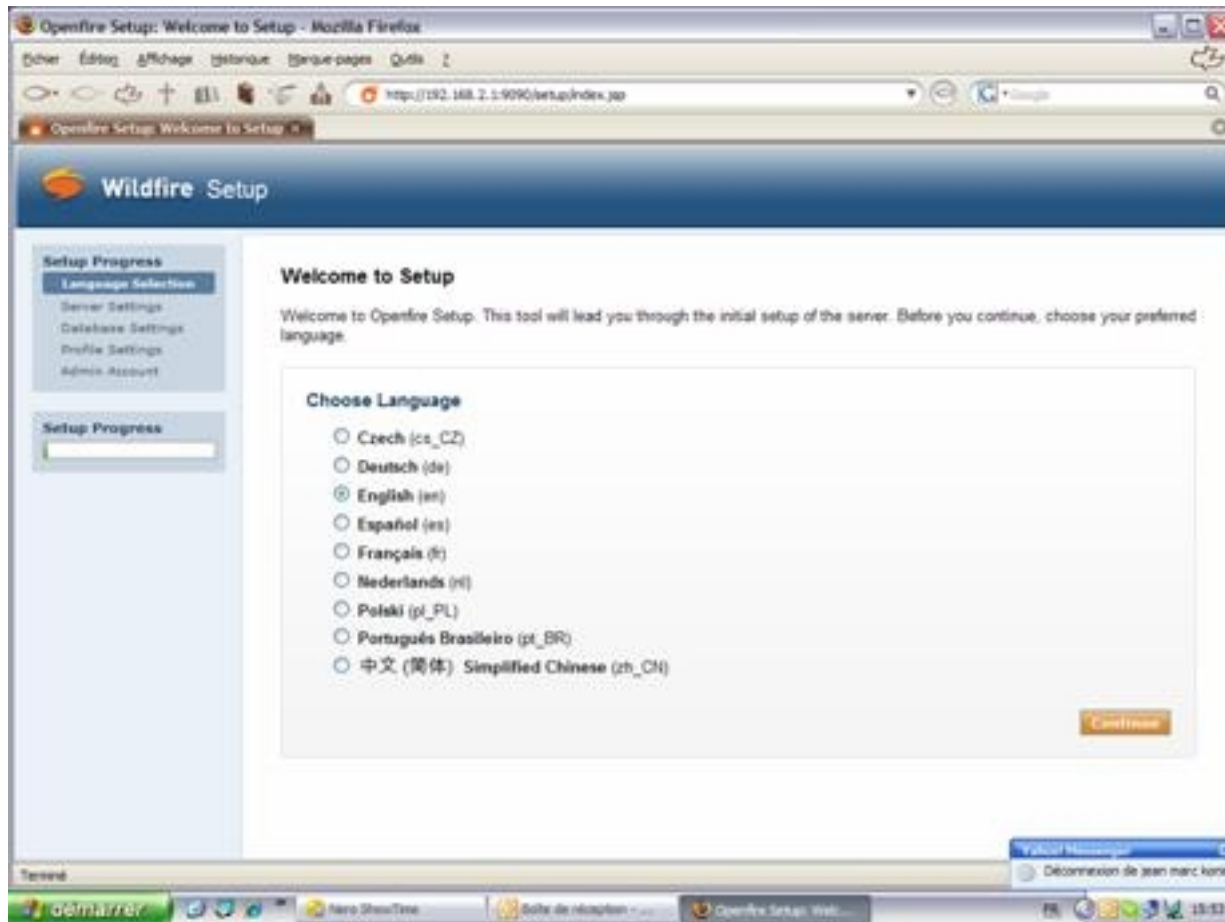
```
#cd /opt/openfire/bin/
```

```
#./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



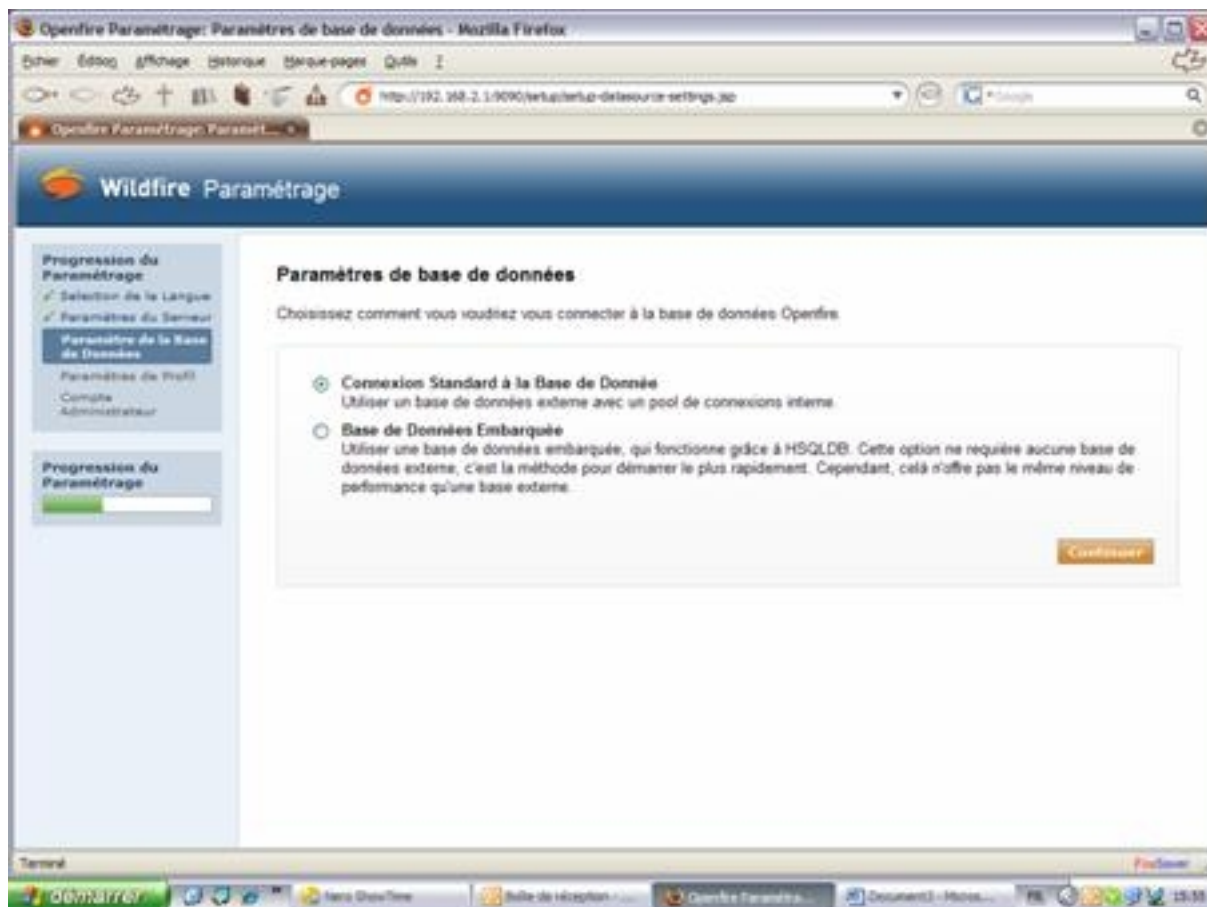
Choose your preferred language (French (fr) here), and click "Continue" to proceed to the server settings.

Server Settings

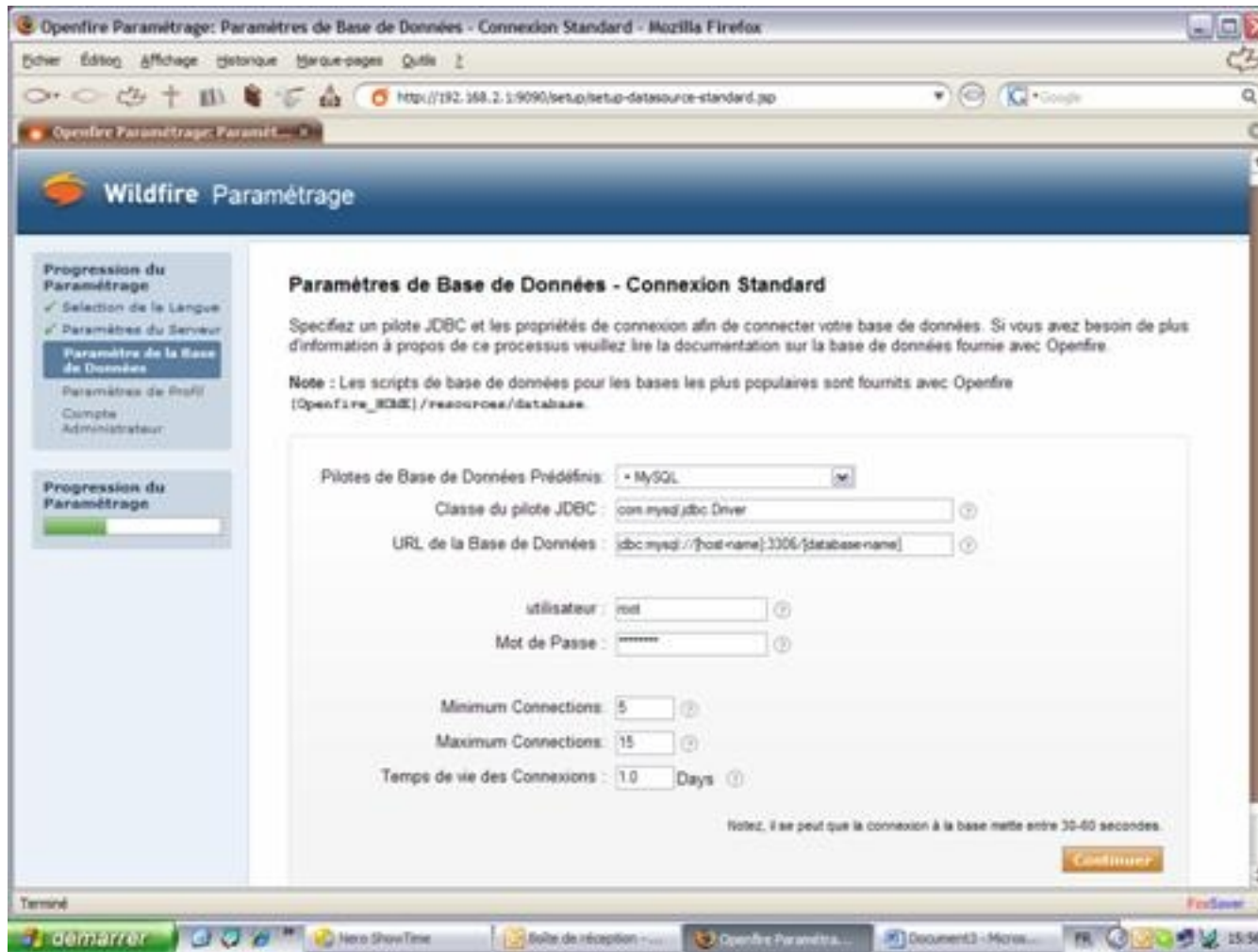


Note: In the area "Domain" the system will take by default the hostname of the server. You must change the value to your domain name - in my case "dpi-arobasetelecom.ci".

Database Settings



Click on "Continue".

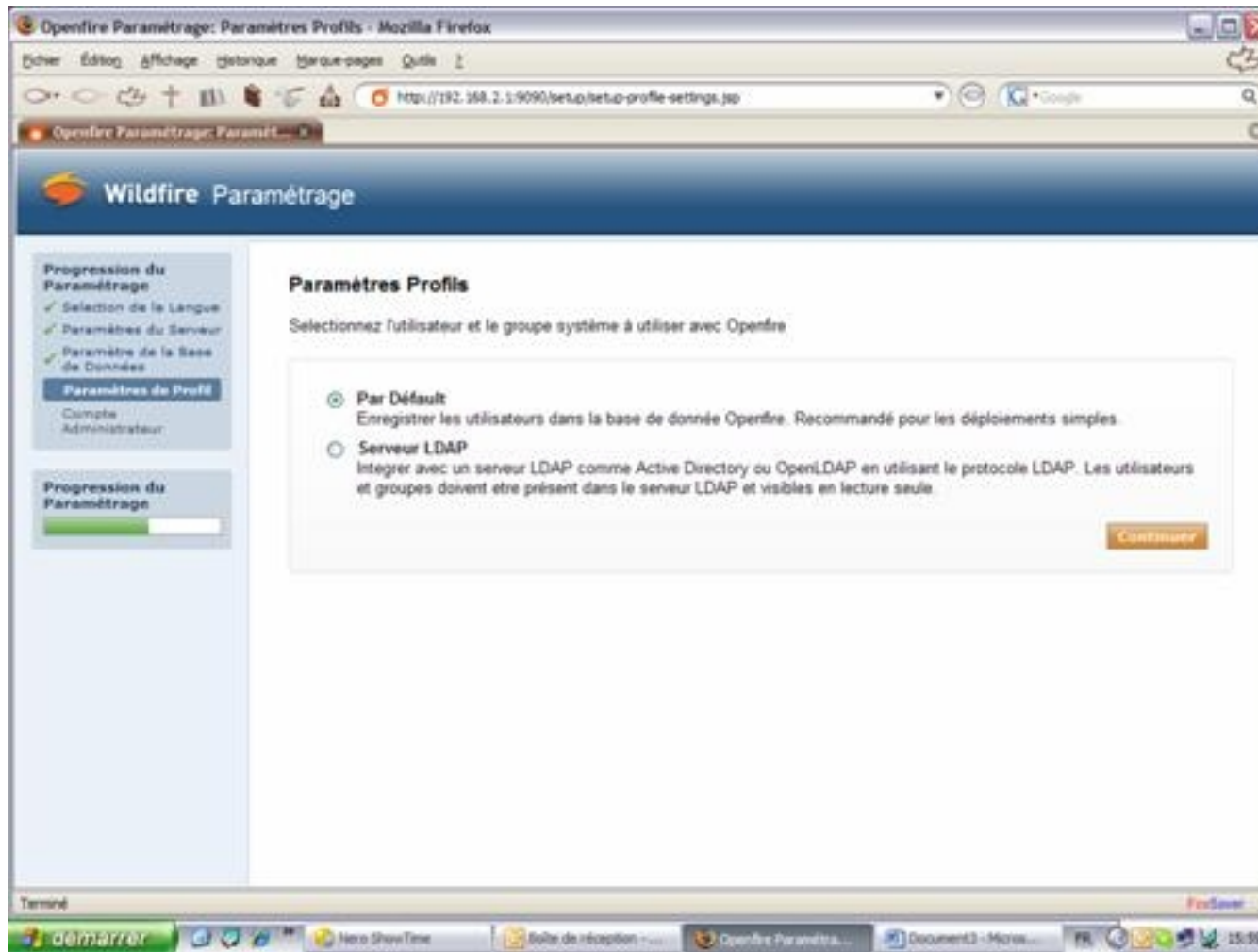


Select MySQL in "Drivers of predefined database" and change the line `jdbc: mysql: / / [host]: 3306 / [database-name]` to these values: host: `localhost` and database-name: `openfire` to obtain

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

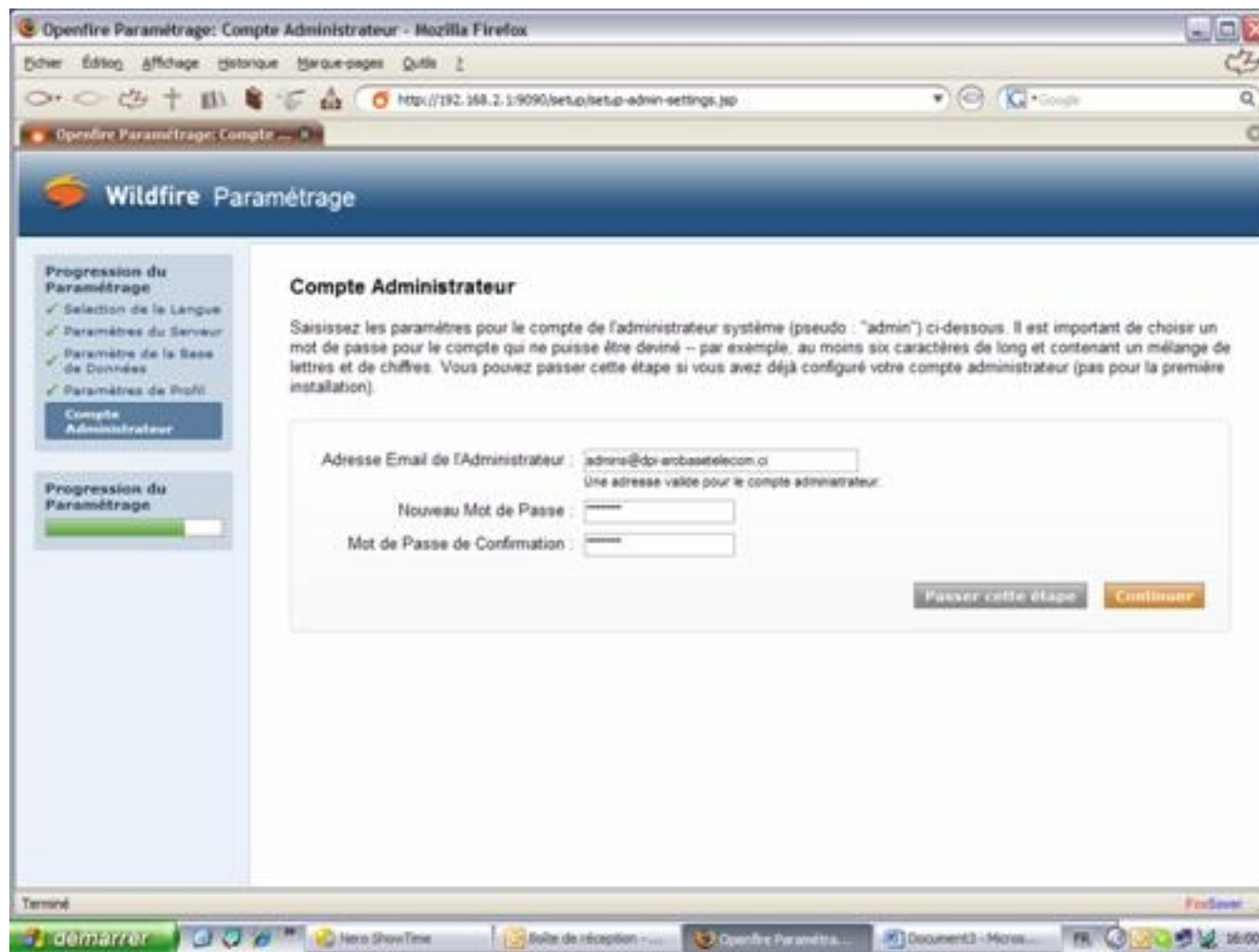
The fields "User" and "Password" are those of the connection to MySQL database.

Profile Settings

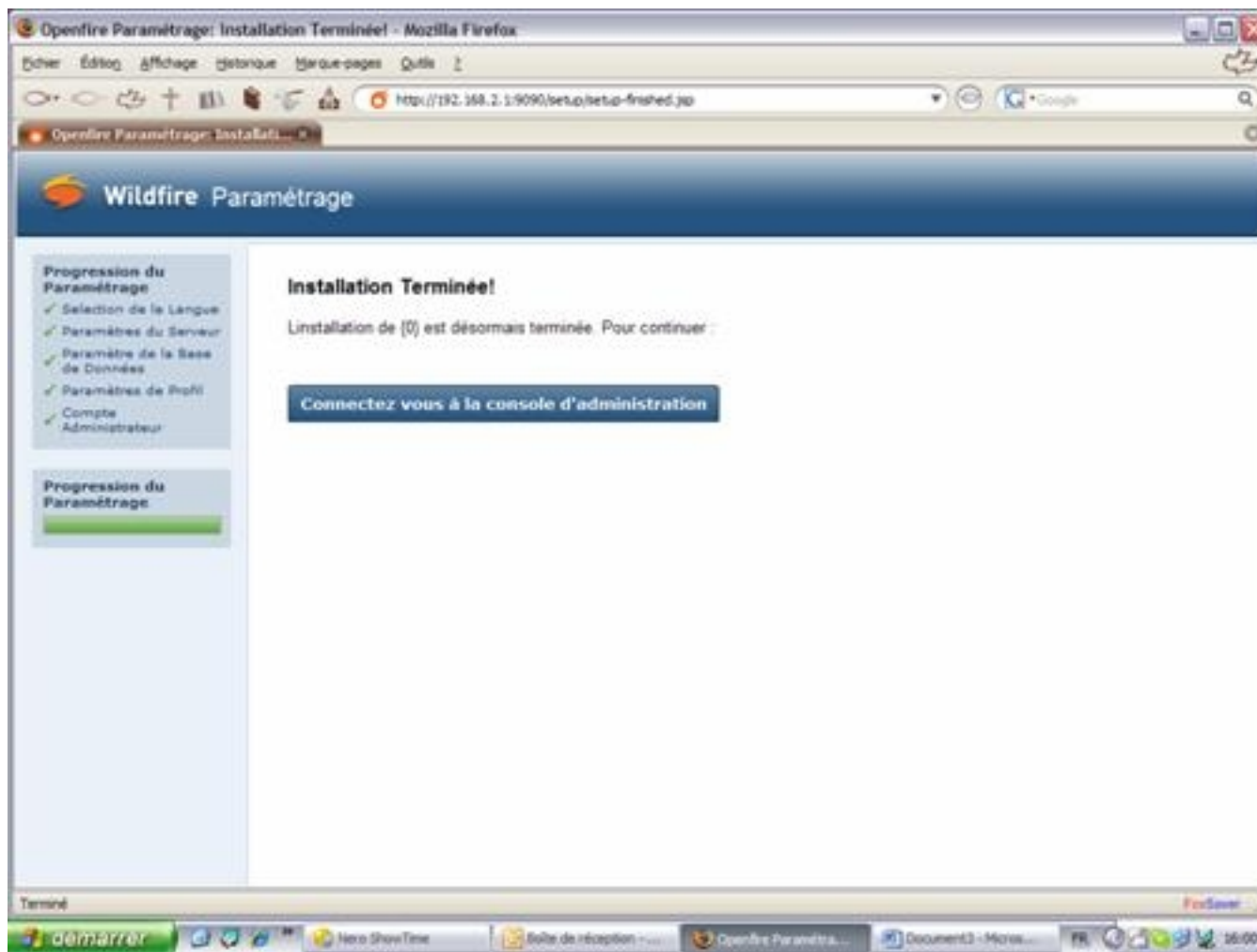


Click on "Continue".

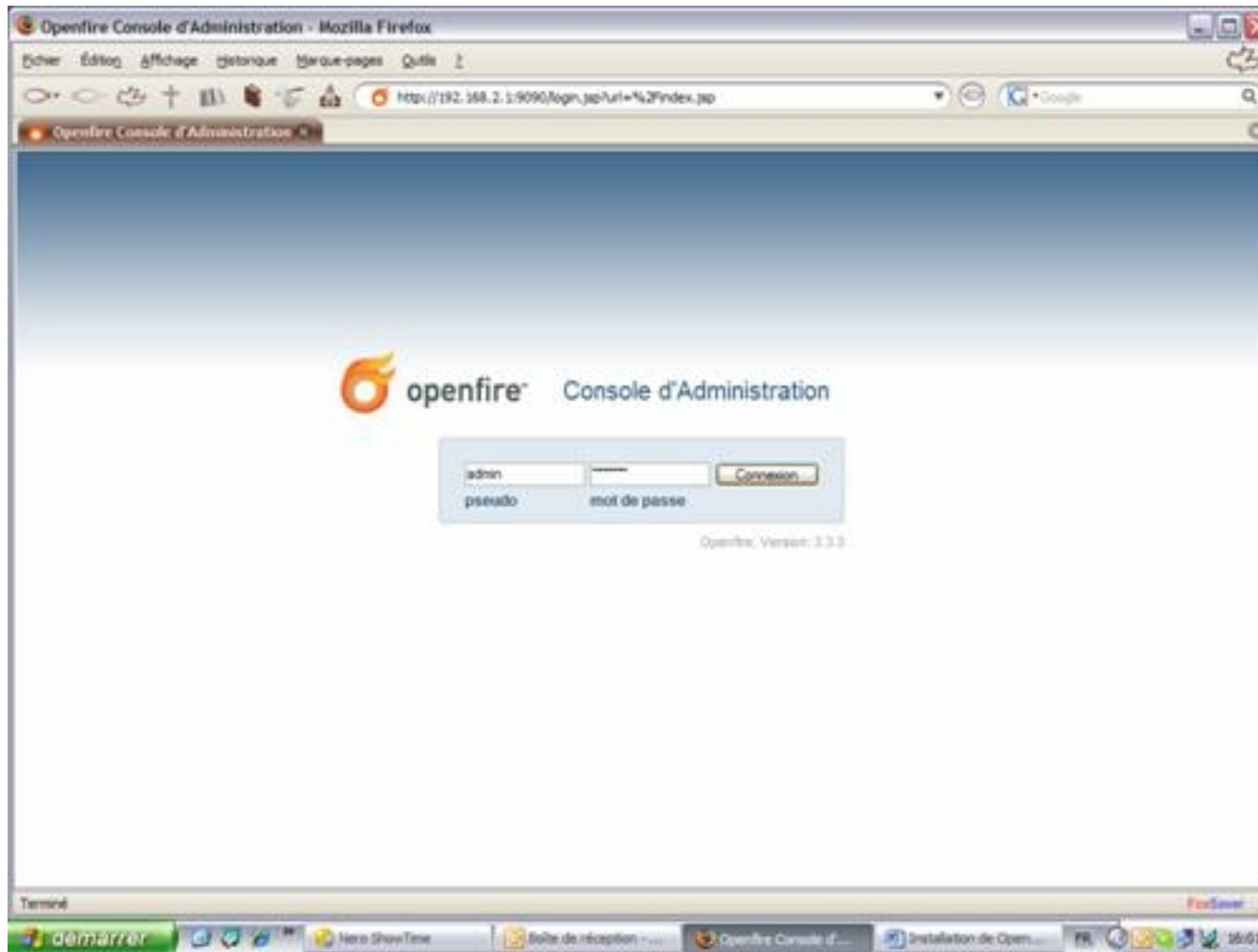
Admin Account



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



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):

Openfire Console d'Administration: Configuration du Serveur - Mozilla Firefox

http://192.168.2.1:9090/index.jsp

Openfire Administration Console

Serveur Utilisateurs/Groupes Sessions Salon de discussion Plugins Enterprise Déconnexion [admin]

Gestion du serveur

Paramètres du Serveur

Propriétés du Système
Langue et Heure
Cache
Base de données
Journaux
Paramètres Email

Paramètres du Serveur

Paramètres de Profil
Serveur à serveur
Composants Externes
Connection Managers
HTTP Binding
Mises à jour
Inscription & Authentification
Ressources
Messages Hors connexion
Audit de Message
Stockage de données privées
Paramètres de Sécurité

Configuration du Serveur

Ci-dessous vous trouverez les paramètres du serveur à configurer. Cliquez sur le bouton "Modifier les Paramètres" pour les modifier. Certains paramètres ne peuvent être changés.

Propriétés du Serveur

Date et heure de début de fonctionnement du Serveur :	12 minutes -- started 24 oct. 2007 15:49:32
Version :	Openfire 3.3.3
Emplacement de Openfire :	/opt/openfire
Nom du Serveur :	dpi-arobasetelecom.ci

Environnement

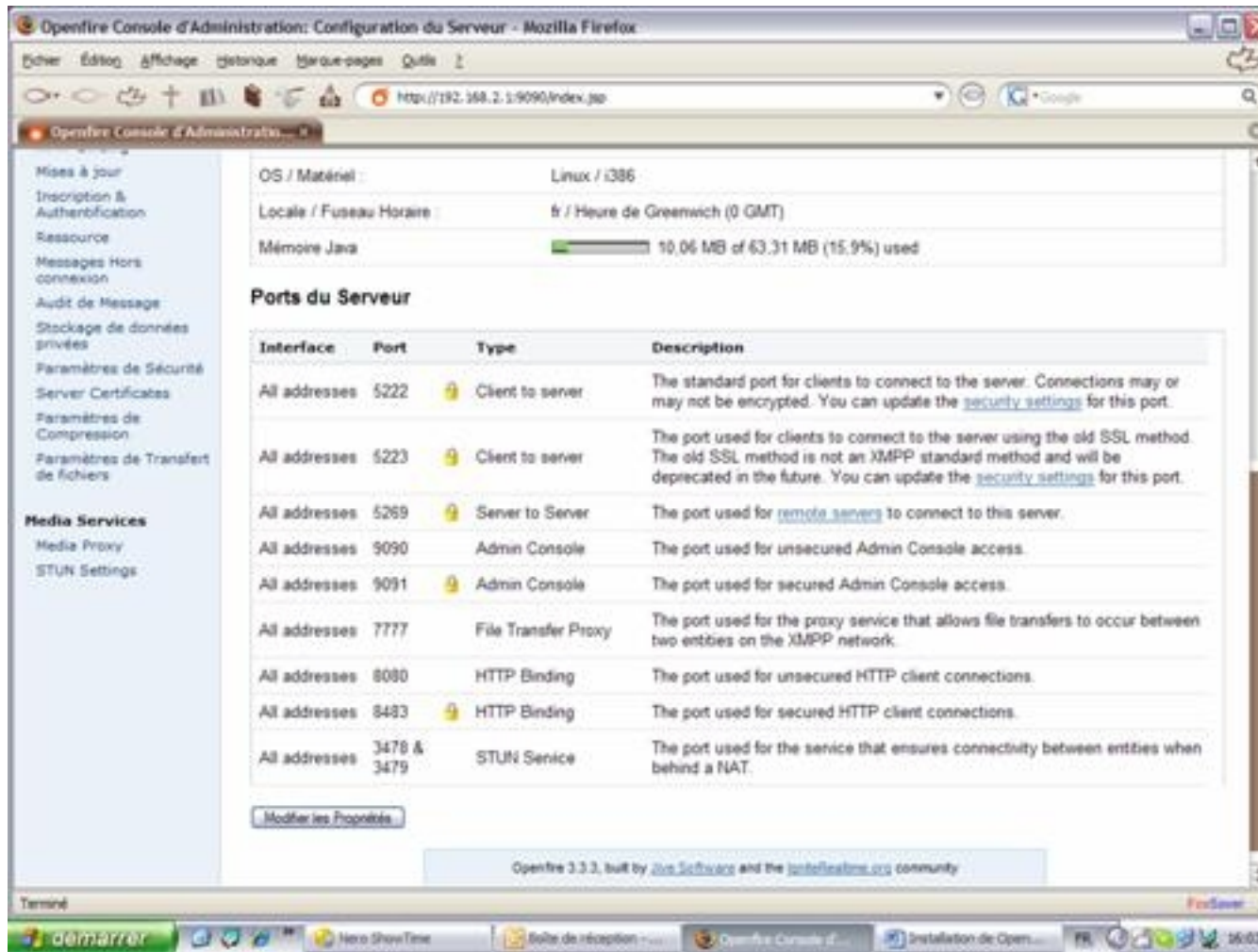
Version de la JVM et Fournisseur :	1.5.0_10 Sun Microsystems Inc. -- Java HotSpot(TM) Server VM
Serveur d'Applications :	jetty-6.1.x
OS / Matériel :	Linux / i386
Locale / Fuseau Horaire :	fr / Heure de Greenwich (0 GMT)
Mémoire Java	10.06 MB of 63.31 MB (15.9%) used

Ports du Serveur

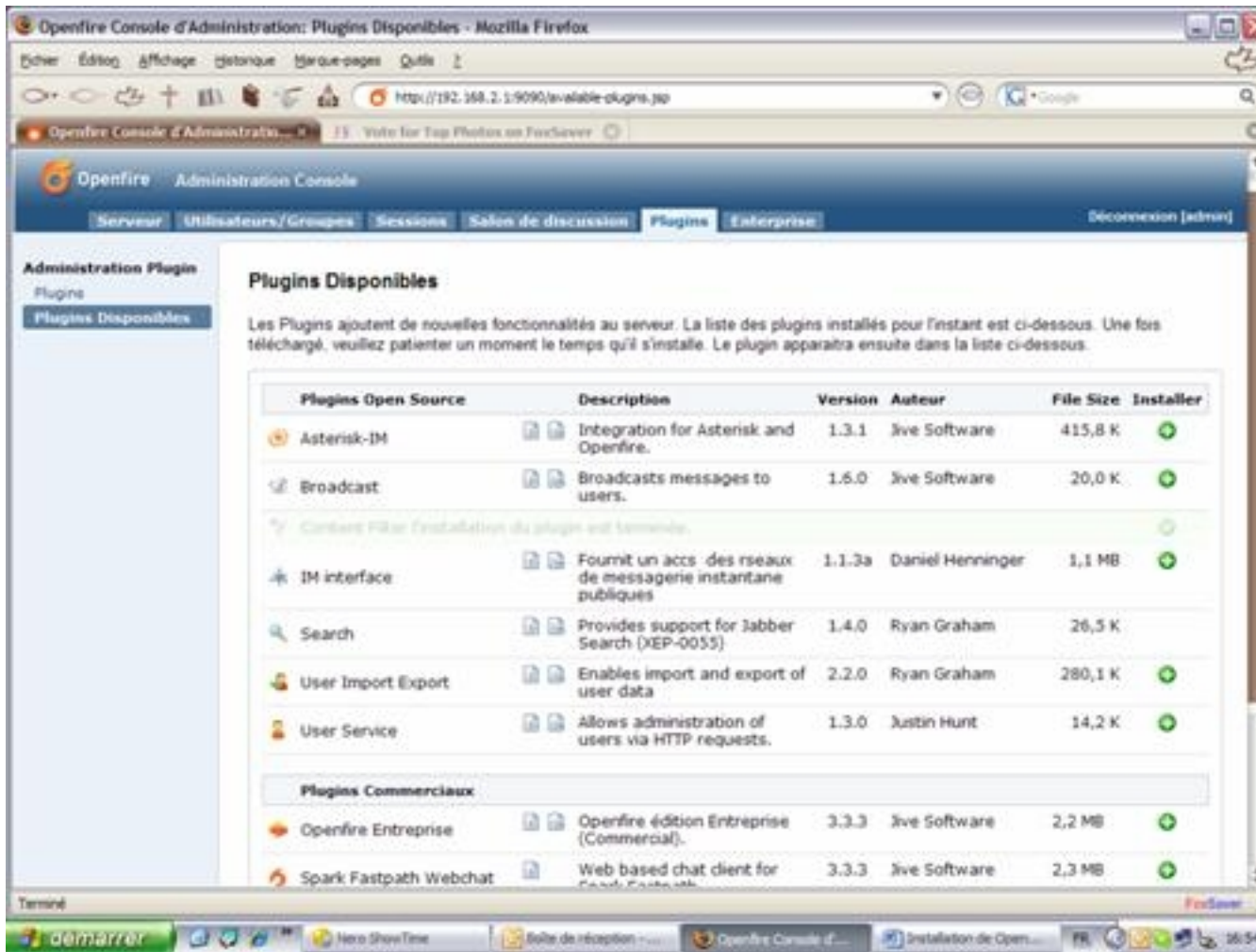
Interface	Port	Type	Description
The standard port for clients to connect to the server. Connections may be...			

Terminé

demarrer Nero ShowTime Boîte de réception Openfire Console d'Administration Installation de Open... FR 16:02



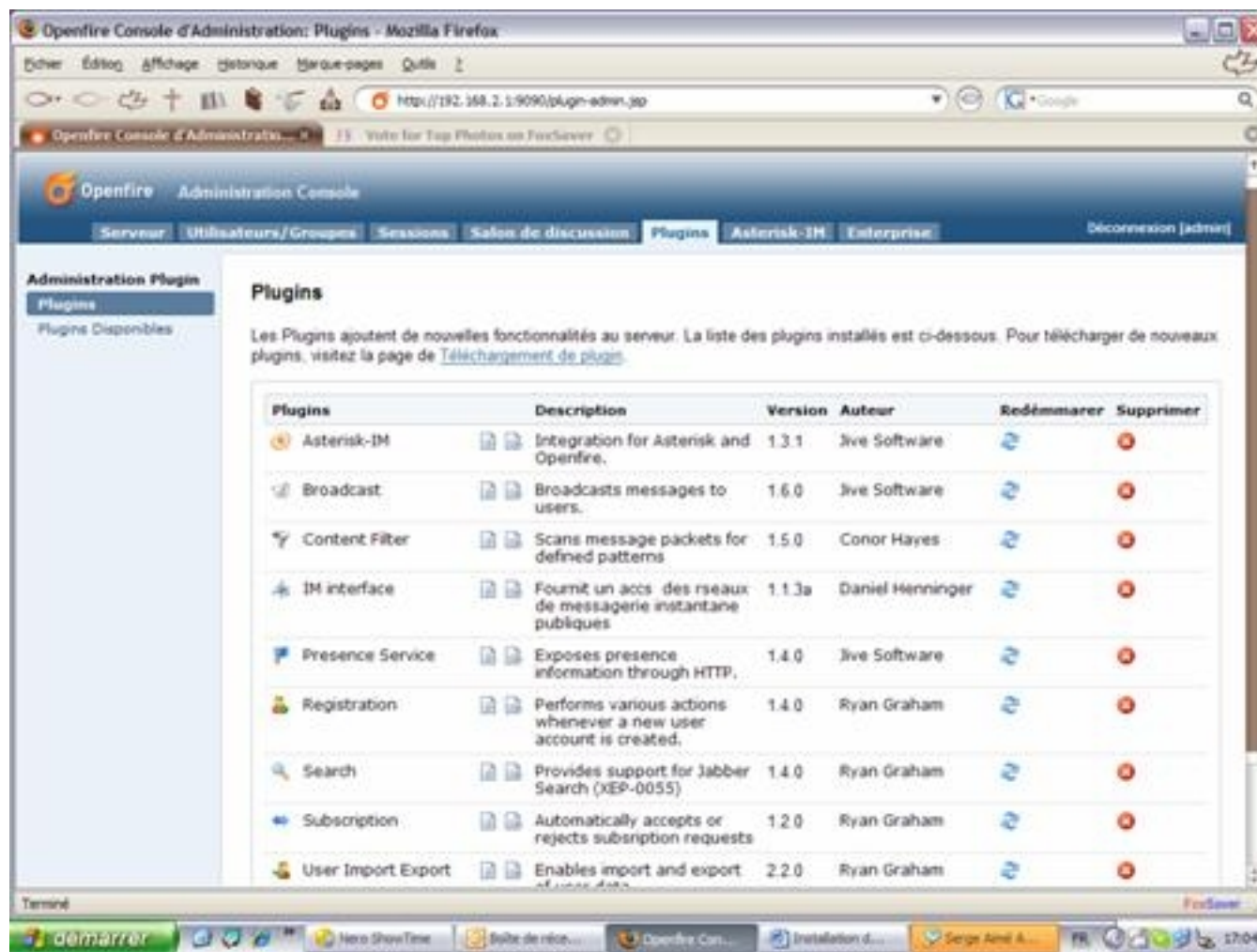
Installing Plugins



To install a plug-in, click "Plug-ins available." The list of plug-ins appears, simply click on "+" in the "Install" 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 finishes, click Plug-ins and you will see the screen below:

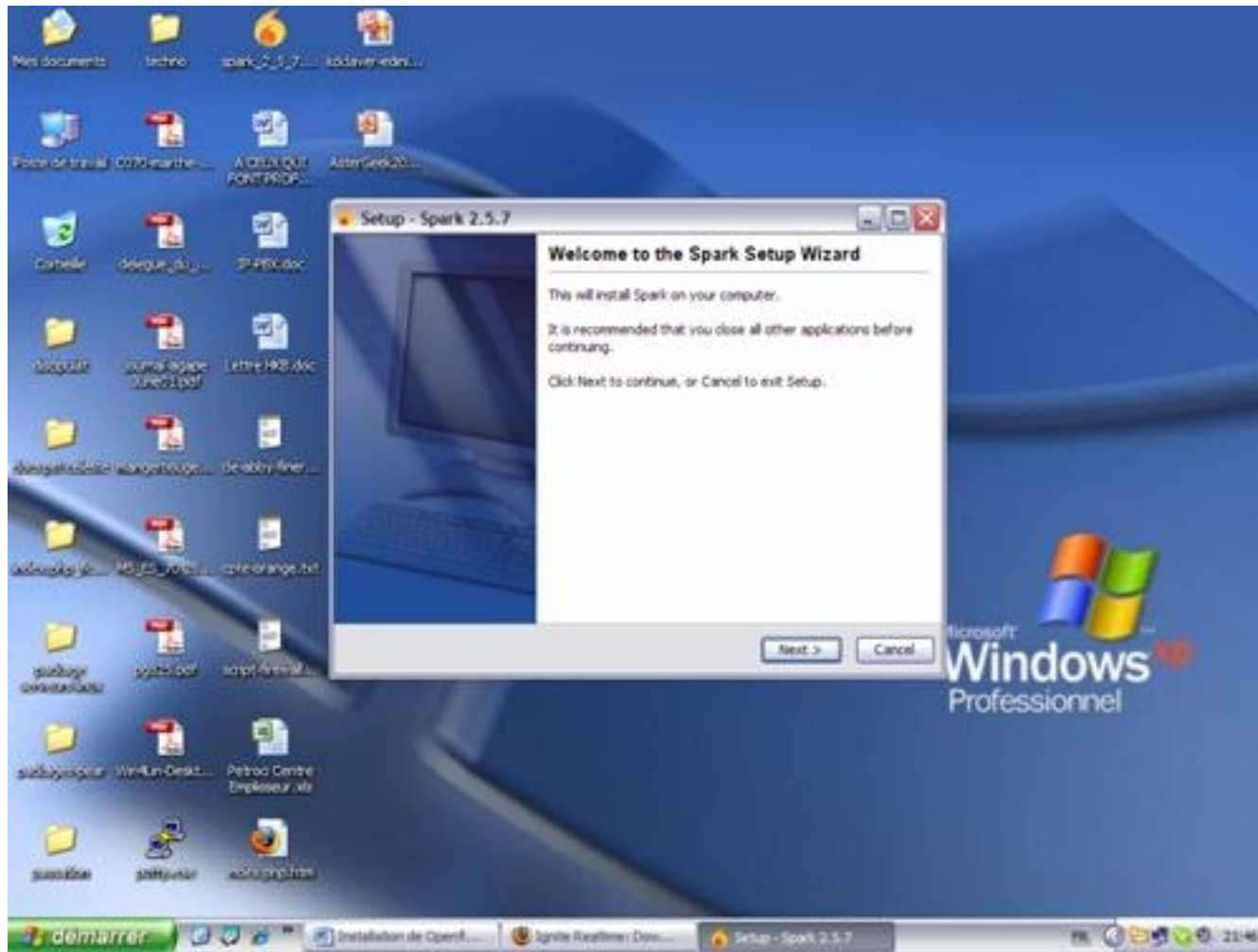


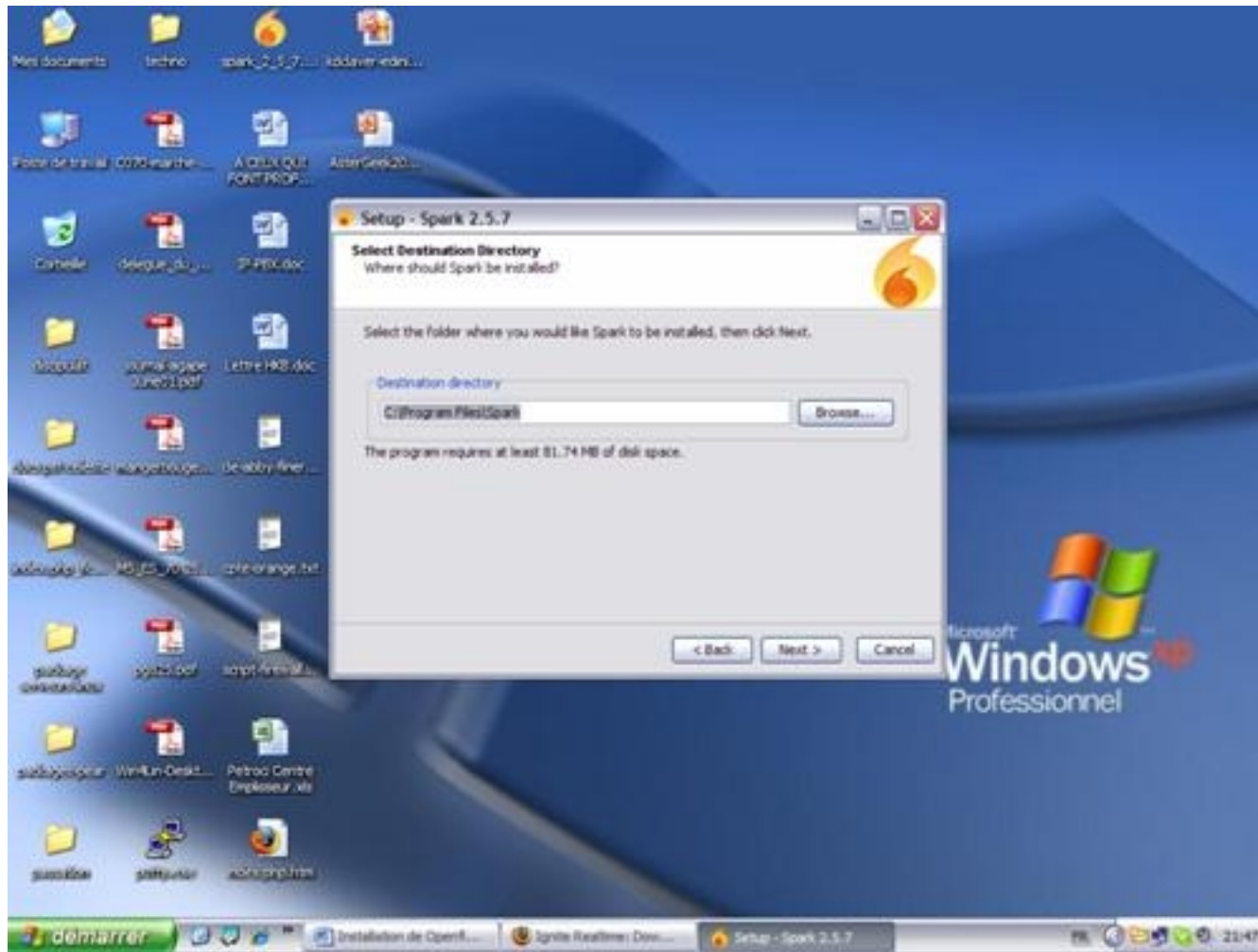
Installing Spark

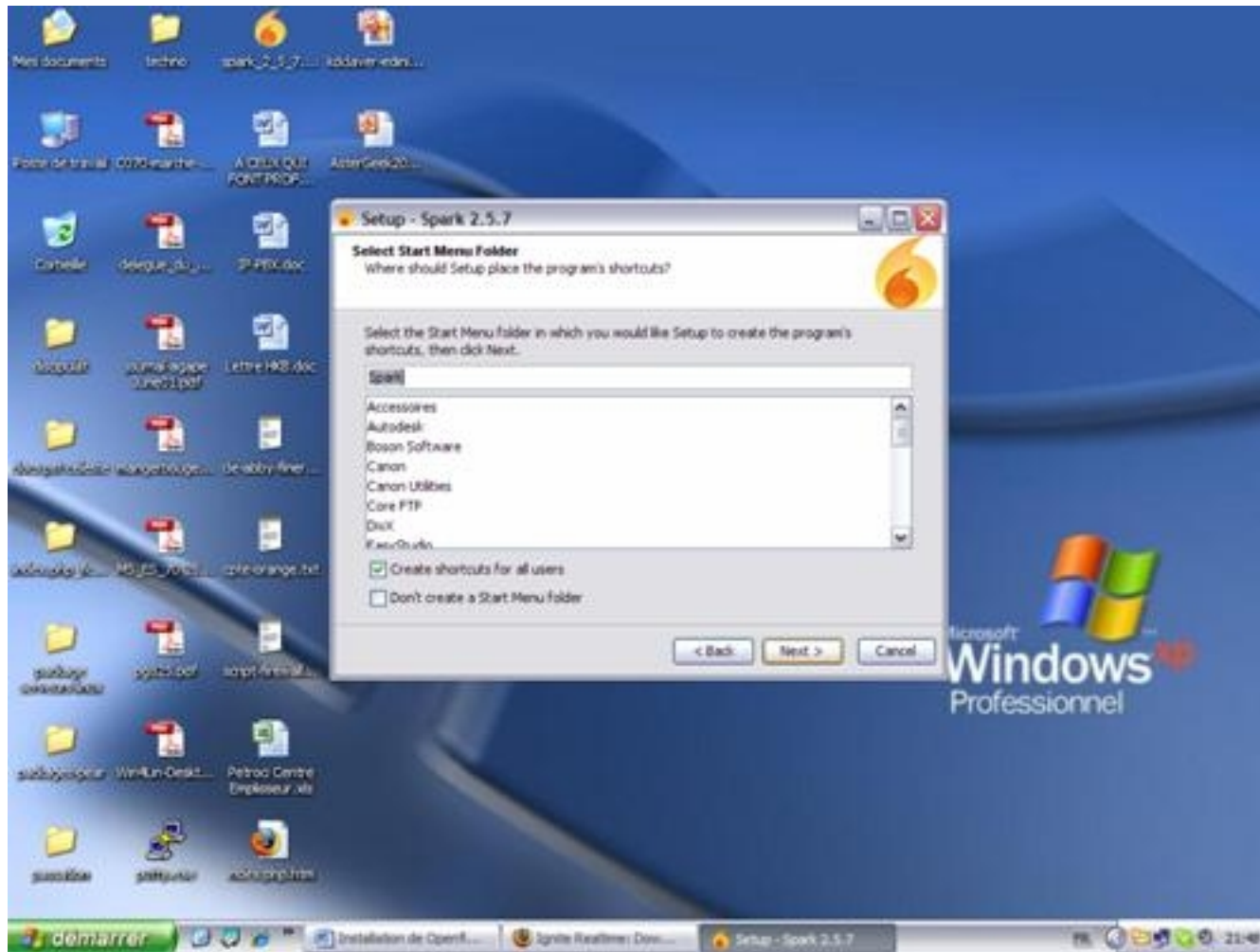
This installation is done on the Windows client.

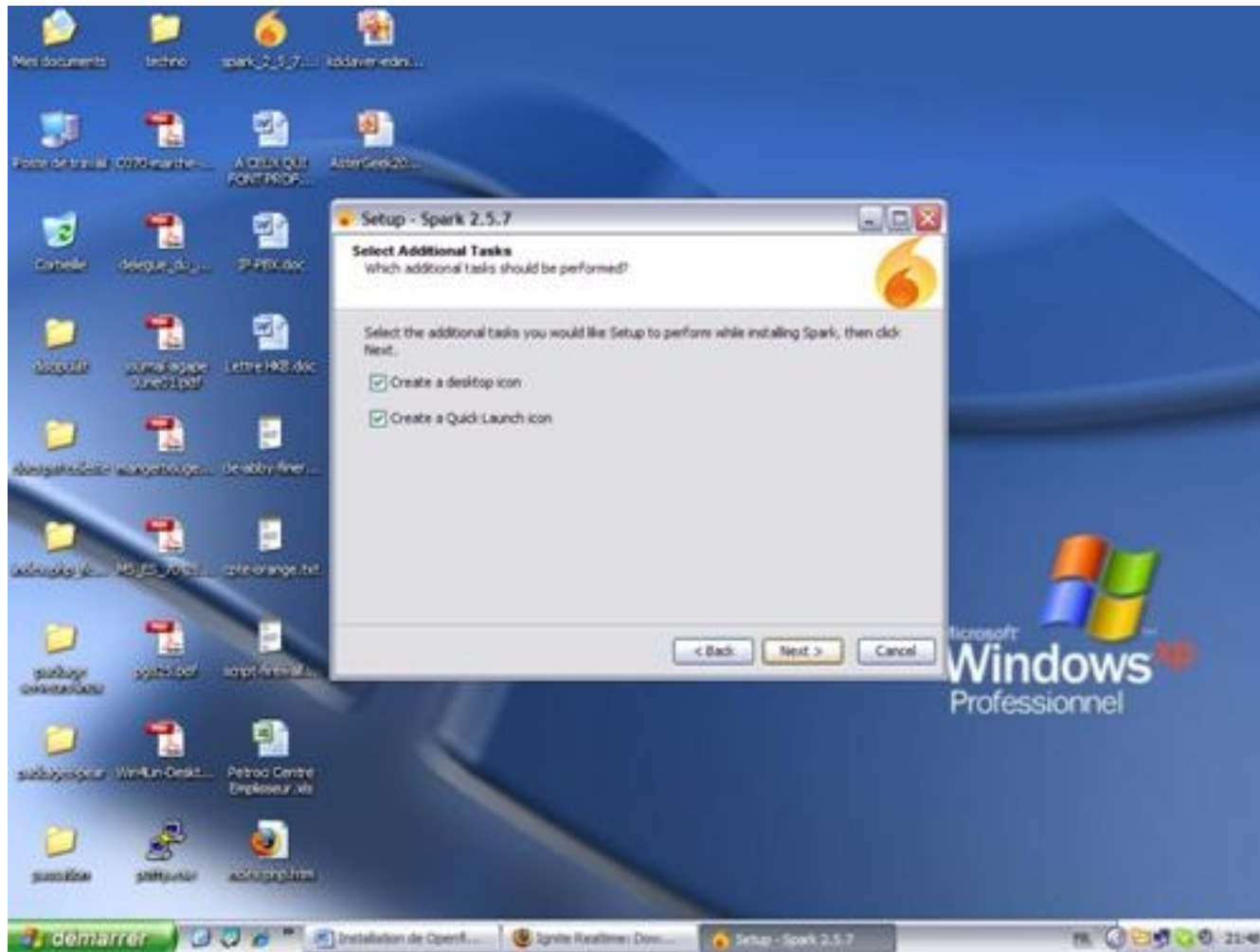
1°- Double-click the file .exe:

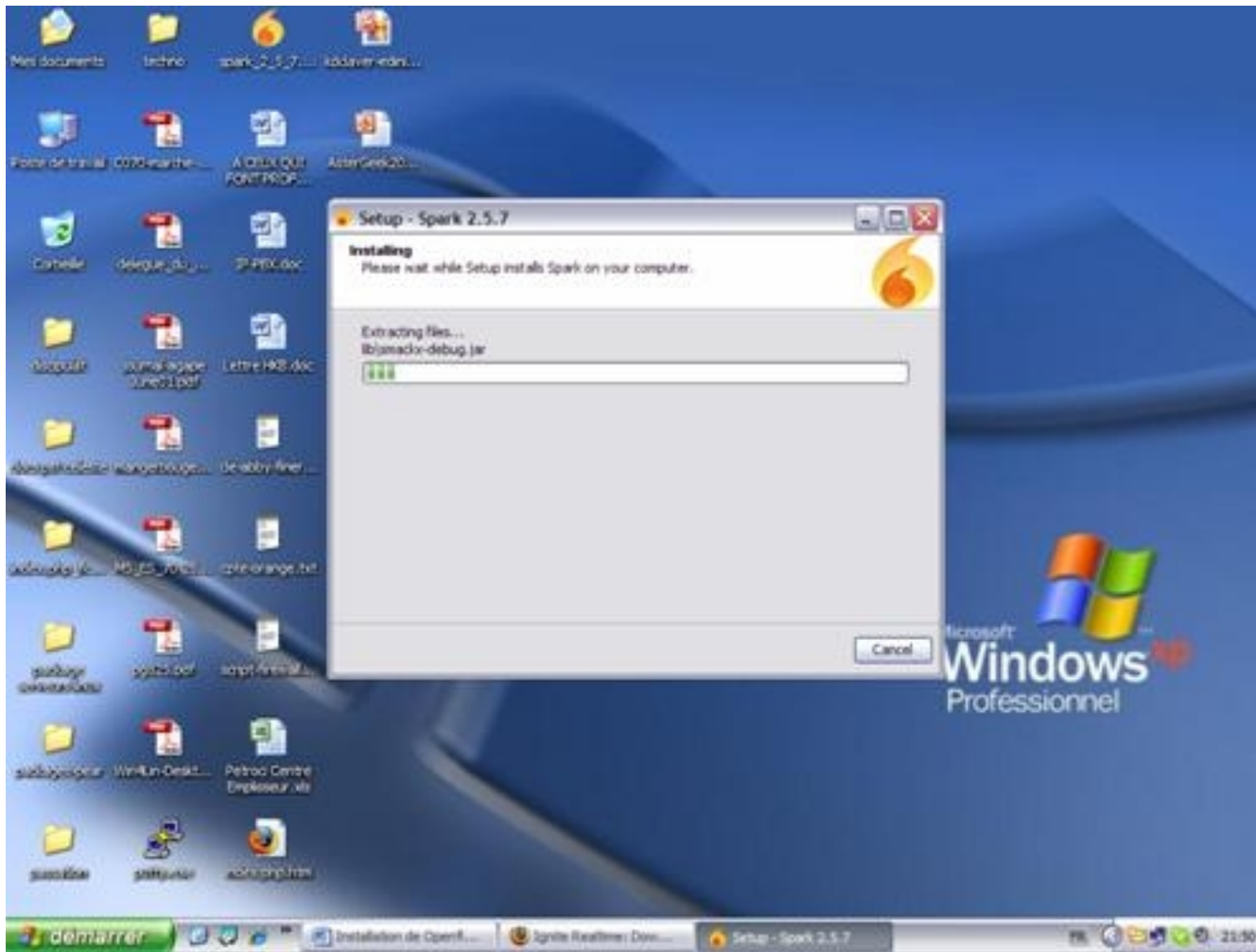


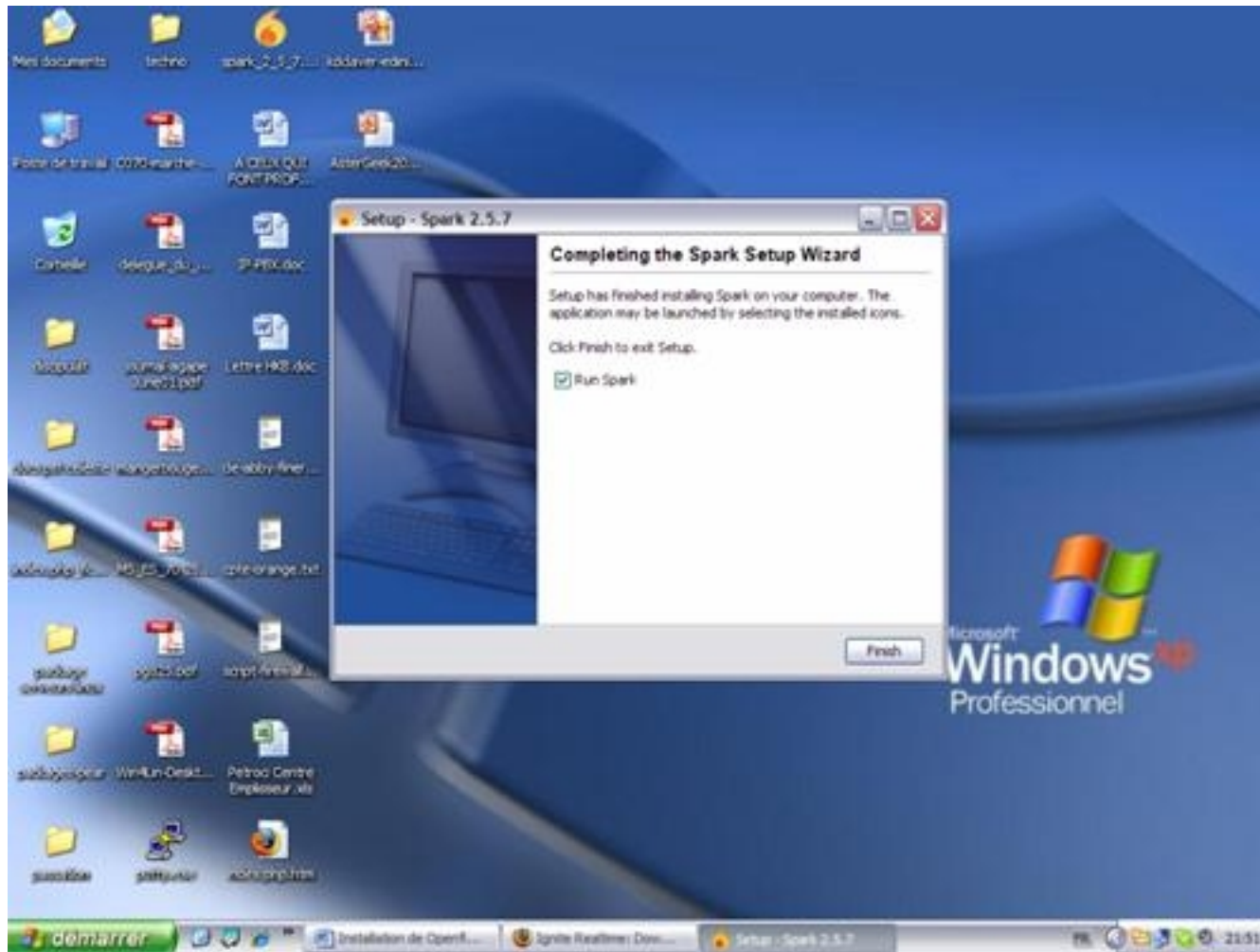










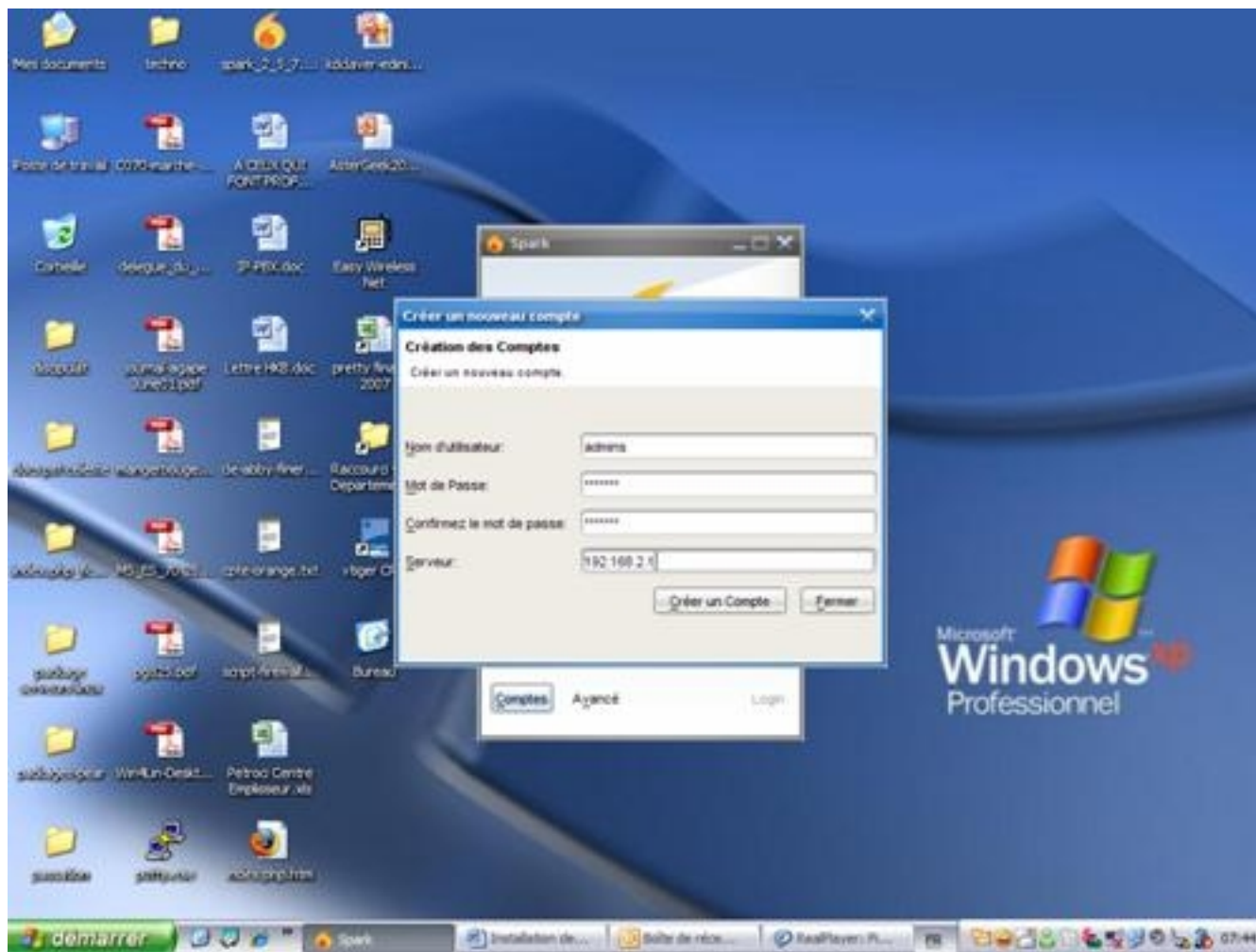




Create A New Account With Spark

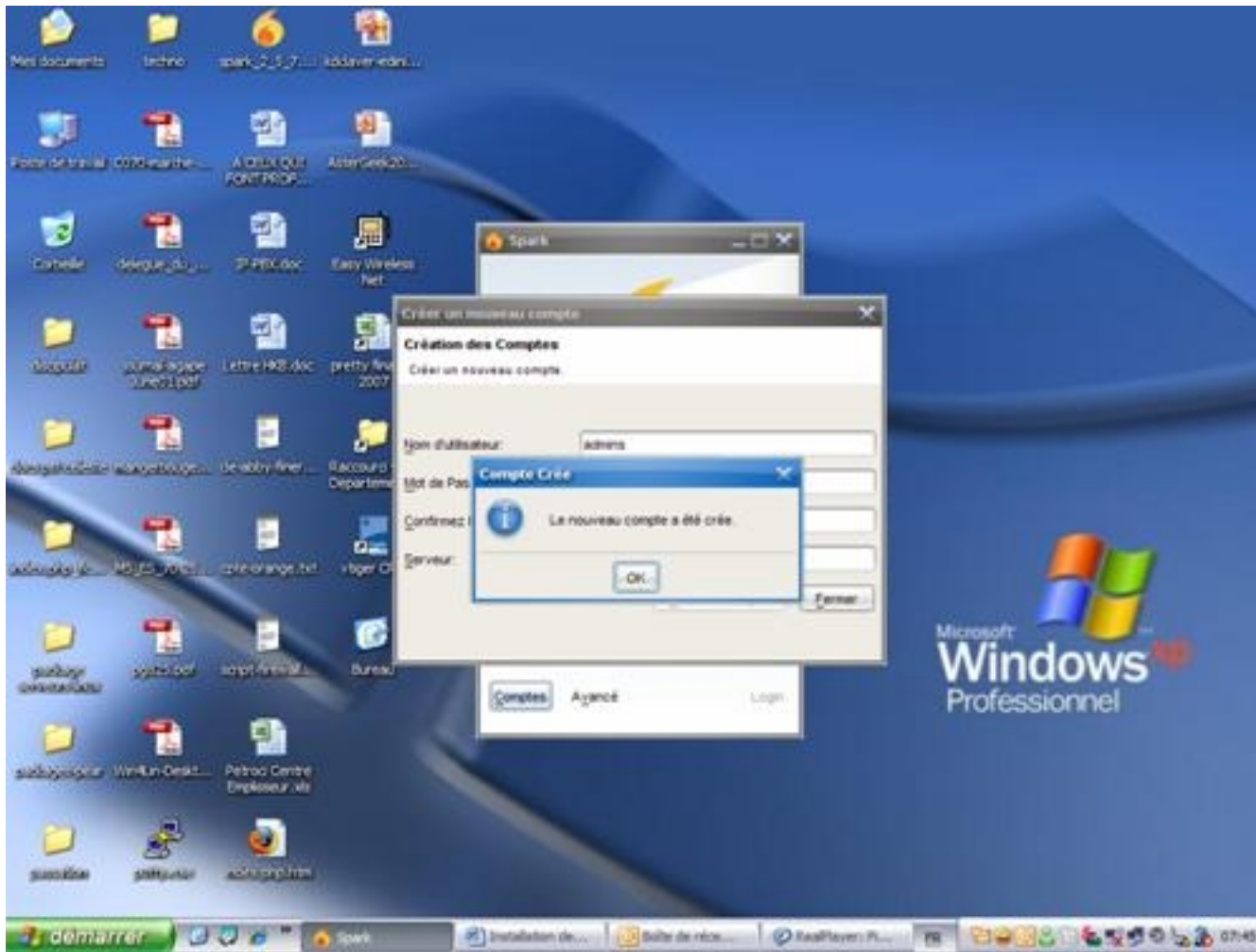
Click on "Account":





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!!!!!!!!!!!!!!