

## How to use SpagoBI Installer 1.9.4

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## 1 Version

|                             |                                                                                 |                               |                      |
|-----------------------------|---------------------------------------------------------------------------------|-------------------------------|----------------------|
| <b>Version/Release n° :</b> | 1.0                                                                             | <b>Data Version/Release :</b> | March, 28th 2007     |
| <b>Update description:</b>  | How to use SpagoBI Installer 1.9.2                                              |                               |                      |
| <b>Version/Release n° :</b> | 1.1                                                                             | <b>Data Version/Release :</b> | April, 2nd 2007      |
| <b>Update description:</b>  | Review by Zerbetto Davide                                                       |                               |                      |
| <b>Version/Release n° :</b> | 1.2                                                                             | <b>Data Version/Release :</b> | July, 25th 2007      |
| <b>Update description:</b>  | How to use SpagoBI Installer 1.9.3<br>Updated by Zerbetto Davide                |                               |                      |
| <b>Version/Release n° :</b> | 1.3                                                                             | <b>Data Version/Release :</b> | August, 23th 2008    |
| <b>Update description:</b>  | How to use SpagoBI Installer 1.9.4<br>Updated by Yannick LE NY                  |                               |                      |
| <b>Version/Release n° :</b> | 1.4                                                                             | <b>Data Version/Release :</b> | September, 14th 2008 |
| <b>Update description:</b>  | Add chapters : post-installation tasks and see also<br>Updated by Yannick LE NY |                               |                      |

## 2 Document goal

This document explain how to use the SpagoBI Installer 1.9.4.

## 3 References

Some of the concepts of this document refer to the following documentation:

- SpagoBI business intelligence platform framework (available at <http://spagobi.eng.it/>)
- Exo Portal Platform (available at <http://www.exoplatform.com>)

## 4 System requirements

The system requirements for the SpagoBI installation are as follows:

- JDK version 1.5.x
- OpenOffice 2.x (for booklets creation): an environment variable named OPENOFFICE\_HOME must point to OpenOffice installation directory or the PATH environment variable must contain the OpenOffice installation program folder.
- 512 MB memory (suggested);
- a Perl interpreter (for execution of Perl based jobs with SpagoBITalendEngine, that is the SpagoBI ETL engine).

## 5 Introduction to SpagoBI Platform 1.9.4 installation procedure

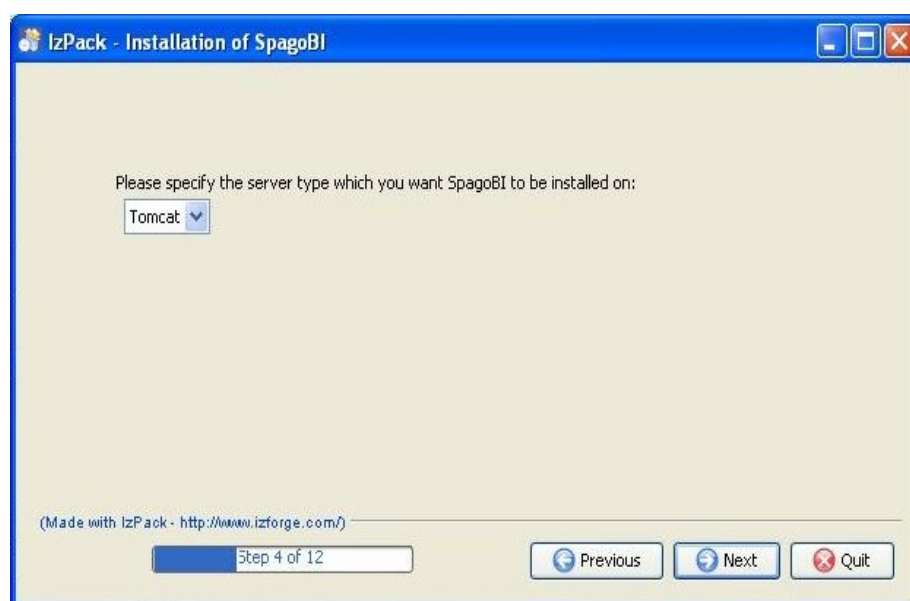
In order to install SpagoBI Platform you have to download the SpagoBIInstaller-1.9.4-xxx.zip file, then unzip it and launch the file

- StartSpagoBIIntaller.bat (Windows users)
- StartSpagoBIIntaller.sh (Unix/Linux users)

Then the installer starts and it will guide you during the SpagoBI Platform installation steps.

Here below we explain the meaning of some steps that you will encounter during the installation procedure.

### 5.1 Server choice



SpagoBI Platform must be installed on an existing application server installed on your pc. This server can be Tomcat, JBoss or JOnAS (you can choose) and must have eXo-Portal Platform installed on it.

Possible server/eXo-Portal versions for SpagoBI Platform 1.9.2 are:

1. **Tomcat 5.0.28 with eXo-Portal 1.1.4**
2. **JBoss 4.0.3SP1 with eXo-Portal 1.1.2**
3. **JOnAS 4.7.4 with eXo-Portal 1.1.3**

If you don't have any of the above servers on your pc you have to proceed as follows:

**1. Tomcat 5.0.28 with eXo-Portal 1.1.4**

download eXoPortal-tomcat-1.1.4.zip from:

[http://forge.objectweb.org/project/download.php?](http://forge.objectweb.org/project/download.php?group_id=151&file_id=8171)

[group\\_id=151&file\\_id=8171](http://forge.objectweb.org/project/download.php?group_id=151&file_id=8171)

unzip it into a local folder and the job is done.

**2. JBoss 4.0.3SP1 with eXo-Portal 1.1.2**

download jboss-4.0.3SP1.zip from:

[http://sourceforge.net/project/showfiles.php?](http://sourceforge.net/project/showfiles.php?group_id=22866&package_id=16942&release_id=365509)

[group\\_id=22866&package\\_id=16942&release\\_id=365509](http://sourceforge.net/project/showfiles.php?group_id=22866&package_id=16942&release_id=365509)

download eXoPortal-jboss-1.1.2.zip from:

[http://forge.objectweb.org/project/download.php?](http://forge.objectweb.org/project/download.php?group_id=151&file_id=6228)

[group\\_id=151&file\\_id=6228](http://forge.objectweb.org/project/download.php?group_id=151&file_id=6228)

then follow the installation instructions.

**3. JOnAS 4.7.4 with eXo-Portal 1.1.3**

download jonas4.7.4-tomcat5.5.15.tgz from:

[http://forge.objectweb.org/project/download.php?](http://forge.objectweb.org/project/download.php?group_id=5&file_id=6132)

[group\\_id=5&file\\_id=6132](http://forge.objectweb.org/project/download.php?group_id=5&file_id=6132)

download eXoPortal-JOnAS-1.1.3.zip from:

[http://forge.objectweb.org/project/download.php?](http://forge.objectweb.org/project/download.php?group_id=151&file_id=6838)

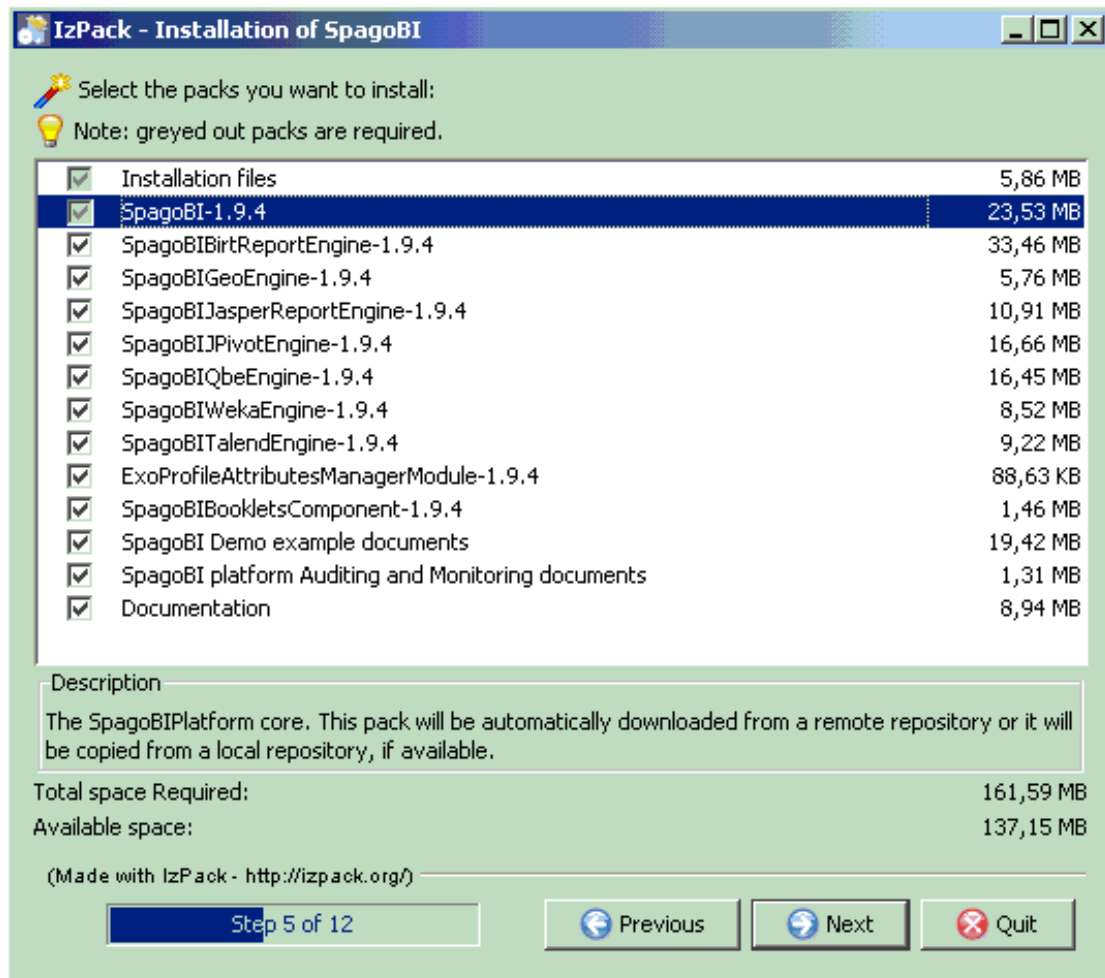
[group\\_id=151&file\\_id=6838](http://forge.objectweb.org/project/download.php?group_id=151&file_id=6838)

then follow the installation instructions.

SpagoBI installation requires overwriting some existing files on server, therefore it is suggested to install SpagoBI on a clean server.

When you have one of the above servers correctly installed, you can proceed with the SpagoBI installation choosing the server type.

### 5.2 Packs selection



The available packs are summarized here below:

- installation files (libraries, configuration files, ...): this pack is mandatory;
- SpagoBI Core: it is mandatory;
- SpagoBI external engines: they are all optional;
- ExoProfileAttributesManagerModule: module for profile attributes management for eXo Portal: it is optional;
- SpagoBIBookletsComponent: module for booklets creation (Open Office is required): it is optional;
- SpagoBI examples (the example documents of SpagoBI Demo and the example portal named 'sbiportal' with demonstrative groups and users configured): they are optional;
- SpagoBI platform Auditing and Monitoring documents. These are predefined administration documents analyse the actual configuration and usage of the analytical documents. They list

which parameters use a certain constraint or a certain list of values, which documents use a certain parameter; they summarize documents configuration and so on... They analyse also documents execution performance (number of execution requests, average execution time and final result) and launch configuration statistical data (most used execution roles and modalities). You can keep (and obviously customize) them to monitor your environment: they are optional;

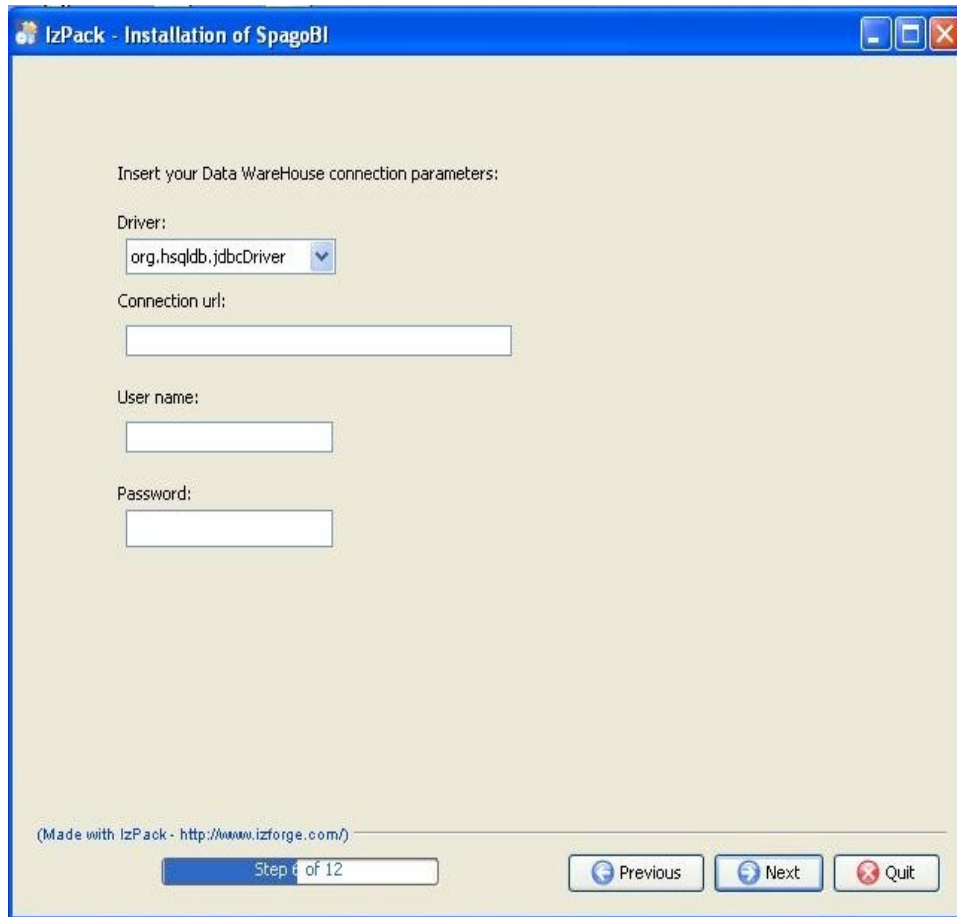
- documentation about SpagoBI: it is optional.

You can choose the SpagoBI external engines to be installed according to your requirements.

You can also choose to install or not the example documents of SpagoBI Demo and/or the Auditing and Monitoring documents.

**WARNING:** SpagoBI Demo examples contains documents for all SpagoBI supported engines. If you exclude some engines from the installation procedure, the relevant examples will not work!!

## 5.3 Data Warehouse configuration



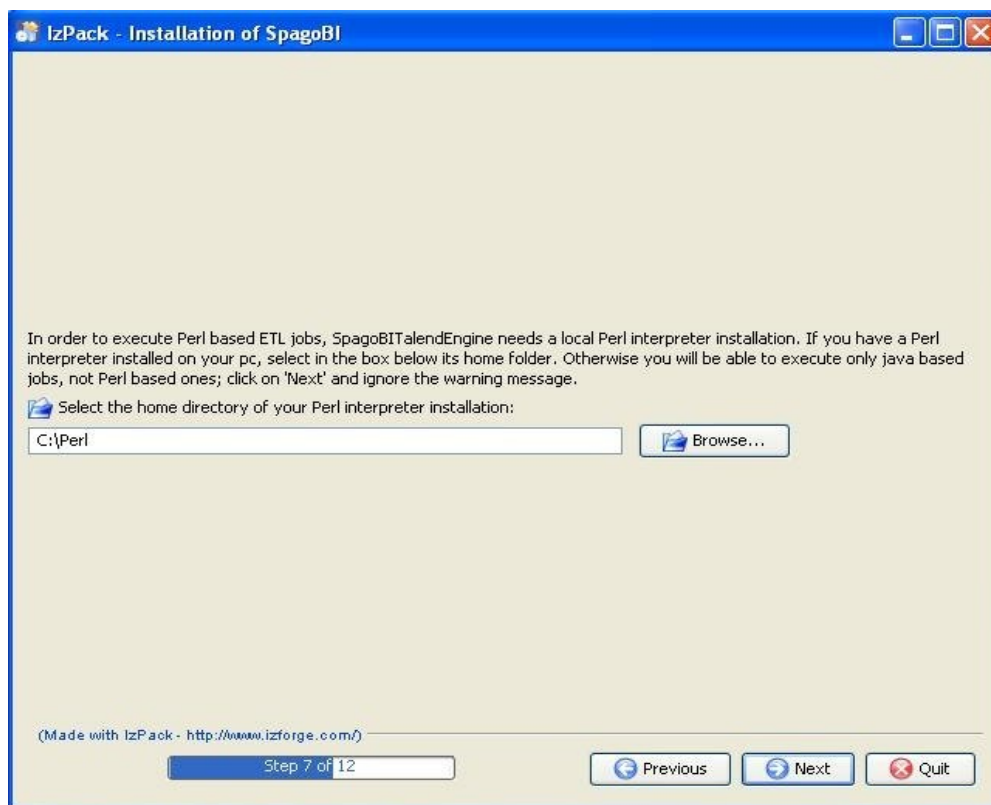
Only if you decided not to install the SpagoBI Demo examples, the installer will ask you the connection parameters to your data warehouse (driver, connection url, username and password).

The available database servers are Hsqldb, Oracle, Postgres or MySQL.

If you have decided to install the SpagoBI Demo examples, the installer will not ask you any connection parameters since the data warehouse is supposed to be an Hsql demonstrative db that will be automatically installed on your pc.



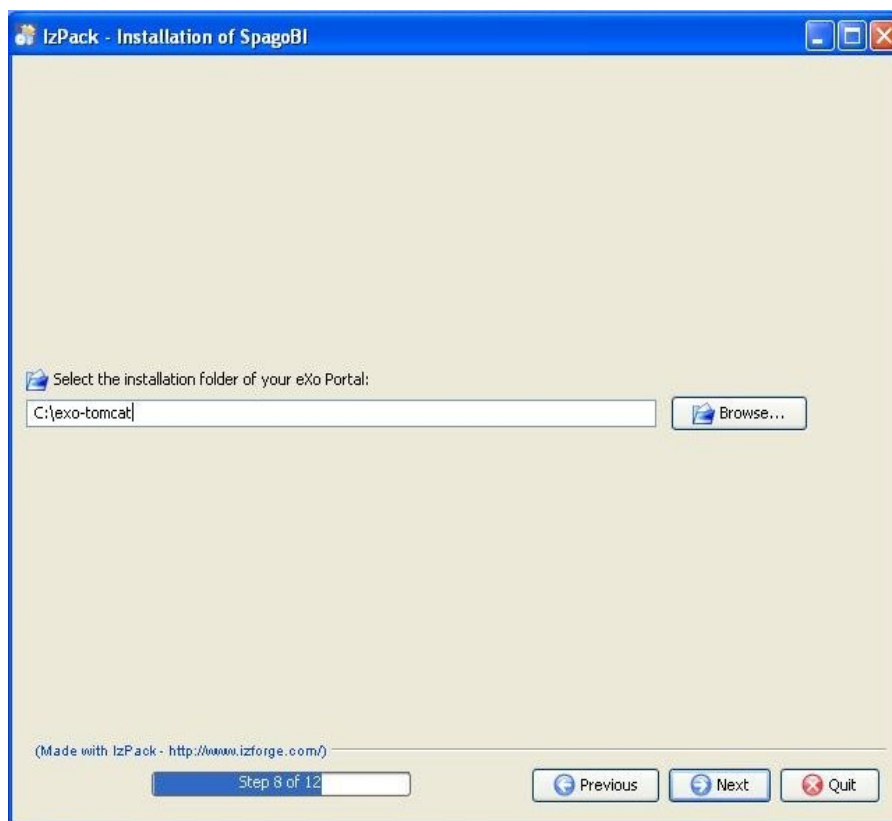
## 5.4 Perl interpreter path selection



If you chose to install SpagoBITalendEngine (SpagoBI ETL engine for jobs designed with Talend Open Studio), since it requires a local Perl interpreter for Perl based jobs, the procedure will ask you the Perl interpreter home path.

If you don't have a Perl interpreter installed on your pc, you will be able to execute only java based jobs, not Perl based ones; click on 'Next' and ignore the warning message.

## 5.5 eXo Portal path selection



You have to select the base folder where the server (hosting eXo portal) is installed. See previous “**Server Choice**” chapter.

## 5.6 Local repository selection



The installer does not contain all the packs needed for the installation but it is able to automatically download them from the ObjectWeb repository (that's the remote repository). More precisely, SpagoBI core and external engines binary packs are not included; they will be downloaded into a local folder of your choice (that's local repository).

In order to avoid redundant and heavy downloads, the installer asks you if you have a local repository, since maybe you downloaded the packs manually before or you installed SpagoBI 1.9.4 using the same installer another time before: if it is the case, you have to select the folder where binary packs were downloaded. Instead, if it is the first time you use this installer, just select an empty folder: binary packs will be downloaded there and you will be able to use it as local repository during next installation procedures.

Then the installer will perform all the operation required.

## 5.7 When the installation is completed ...

Before starting to work with SpagoBI, you need to do some manual tasks and that are not automatized for the moment.

Please do the tasks that you find in Post-Installation tasks in chapter 6.

Then if you want to start working with SpagoBI Platform, take a look into SpagoBI Quick Start: you will see how to configure documents, parameters and so on.

If you want to change or to customize the installation, take a look to the SpagoBI documentation (How To and Installation Manual).

### Use the demo portal :

- 1) Go in the menu “Spago Bi Platform”, and launch “Start SpagoBI Platform”  
or  
launch the StartSpagoBI.sh script (Linux/Unix) or StartSpagoBI.bat (Ms Windows) in the JBOSS\_HOME or TOMCAT\_HOME directory.
- 2) The Jboss or Tomcat start. Wait 1mn, time for the server will be ready.
- 3) Launch your browser web and go to the web page <http://localhost:8080/sbiportal>
- 4) Login with one of the login the page and the password is the same as the login for all the accounts.

## 6 Post-installation tasks

### 6.1 Bugs and problems corrections

a) correct the liferay portal error that you don't use

To avoid the error :

```
11:40:19,616 ERROR [[jsp]] Servlet.service() for servlet jsp threw exception  
java.lang.ClassNotFoundException: com.liferay.taglib.portlet.ActionURLTei
```

see [http://forge.objectweb.org/forum/forum.php?thread\\_id=5494&forum\\_id=862](http://forge.objectweb.org/forum/forum.php?thread_id=5494&forum_id=862)

Here, the JBOSS\_HOME for the example is C:\jboss-4.0.3SP1\_spagobi\_1.9.4

thus the file to delete will be

```
C:\jboss-4.0.3SP1_spagobi_1.9.4\server\default\deploy\exoplatform.sar\spagobi.war\WEB-INF\tlds\liferay-portlet.tld
```

or

here TOMCAT\_HOME is C:\exo-portal-1.1.4

thus the file to delete will be

```
C:\exo-portal-1.1.4\webapps\SpagoBI\WEB-INF\tlds\liferay-portlet.tld
```

This file is only needed by Liferay portal, but here we use the exo-portal portal.

### 6.2 Parameterize path for software needed by SpagoBI

SpagoBI need some software as Java and OpenOffice for full working.

At the beginning of the document, we ask you to parameterize the variables JAVA\_HOME and OPEN\_OFFICE for your system. If you don't know how to do this or have several Java or OpenOffice versions, we explain you how to parameterize them for SpagoBI.

For OpenOffice :

- **MS Windows Users**  
Edit the file OOSTart.bat in your JBOSS\_HOME or TOMCAT\_HOME directory  
Remove the command line rem before this line :  
rem set OPENOFFICE\_HOME="C:\Program Files\OpenOffice.org 2.4"  
and  
parameterize installation path for your OpenOffice for the variable OPENOFFICE\_HOME
- **Linux/Unix Users**  
Edit the file OOSTart.sh in your JBOSS\_HOME or TOMCAT\_HOME directory  
Remove the character # before this line :  
# OPENOFFICE\_HOME\_BIN=/usr/bin  
and  
parameterize binary path for soffice for the variable OPENOFFICE\_HOME\_BIN

For Java :

- MS Windows Users  
Edit the file StartSpagoBI.bat in your JBOSS\_HOME or TOMCAT\_HOME directory  
Remove the command line rem before these 2 lines :  
rem set JAVA\_HOME\_BIN="C:\Program Files\Java\jdk1.5.0\_15\"  
  
rem set PATH=%PATH%;%JAVA\_HOME\_BIN  
and  
parameterize binary path for your java.exe for the variable JAVA\_HOME\_BIN
- Linux/Unix Users  
Edit the file StartSpagoBI.sh in your JBOSS\_HOME ou TOMCAT\_HOME directory  
Remove the character # before these 2 lines :  
# JAVA\_HOME\_BIN="/usr/bin/"  
  
# PATH=%PATH%;%JAVA\_HOME\_BIN  
and  
parameterize binary path for your java for the variable JAVA\_HOME\_BIN

## 7 See Also

### 7.1 Help

You can find help to install and to configure SpagoBI on these forums.  
The 2 main forums are :

**In english :**

[http://forge.objectweb.org/forum/forum.php?forum\\_id=862](http://forge.objectweb.org/forum/forum.php?forum_id=862)

**In french :**

<http://www.developpez.net/forums/f884/bases-donnees/business-intelligence/spagobi/>

### 7.2 Tutorial

There are some tutorials in english that use flash technology at this URL:  
<http://spagobi.org/ecm/faces/public/guest/home/solutions/spagobi/tutorial>

The Altic company created a little visual FAQ in french for SpagoBI that is available here: <http://www.altic.org/actualite/98.shtml>  
or directly here with this URL :  
[http://www.altic.org/medias/document/petite\\_aide\\_visuelle\\_spagobi.pdf](http://www.altic.org/medias/document/petite_aide_visuelle_spagobi.pdf)

### 7.3 SpagoBI Documentations

SpagoBI have documentations that are on one or more detailed subjects. These documentations are available at this url :  
[http://forge.objectweb.org/project/showfiles.php?group\\_id=204](http://forge.objectweb.org/project/showfiles.php?group_id=204) in the SpagoBI Documentation 1.9.4 part.

Take a look at these documentations : QuickStart-0.9.4, SpagoBI\_How\_To\_1.7 and then to the documentation for your application server (Tomcat, Jboss, Jonas) or your portal (Exo\_Portal, Liferay).

### 7.4 Documentations and tutorials for the portal Exo-Portal

The documentation for the portal Exo-Portal 1.1.x used by SpagoBI is available here :

**Administrator Guide for Exo-Portal :**

<http://download.forge.objectweb.org/exoplatform/exo-portal-1.x-admin-guide.pdf>

**User Guide for Exo-Portal :**

<http://download.forge.objectweb.org/exoplatform/exo-portal-1.x-user-guide.pdf>

### Tutorials in Flash for Exo-Portal :

<http://download.forge.objectweb.org/exoplatform/exo-portal-1.x-community-1.swf>

<http://download.forge.objectweb.org/exoplatform/exo-portal-1.x-community-2.swf>

<http://download.forge.objectweb.org/exoplatform/exo-portal-1.x-render.swf>