

## Spago4Q Installation Guide

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## Version

<b>Version n°:</b>	1.1	<b>Data Version:</b>	April,1 <sup>st</sup> 2009
<b>Release n°:</b>	2.0		
<b>Update description:</b>	Updates for Linux environment		

## 1 Introduction

This document describe the environment requirements and the installation steps for the Spago4Q platform. This release comes more than one year after the first one with a lot of changes and improvements. As for the first version Spago4Q is a vertical solution based on the SpagoBI 2.1 suite.

### 1.1 REQUIREMENTS

Here is reported the description of the environment used for the development and test of the Spago4Q platform and, this environment, is the target of the installation steps described in this document. This version of Spago4Q is released on MySQL database only. Other databases will be integrated and tested for the next releases.

- Spago4Q 2.0 available from [www.spago4q.org](http://www.spago4q.org) in the download section
- SpagoBI 2.1 available from [www.spagobi.org](http://www.spagobi.org) in the download section
- Apache Tomcat from [tomcat.apache.org](http://tomcat.apache.org)
- MySQL from [www.mysql.org](http://www.mysql.org)
- Java JDK 1.6.x from [www.java.com](http://www.java.com)

Note: the MySQL versions used during the development are: 5.0.51b community, 5.0.58, 5.0.67 community. The Apache Tomcat version used is the 6.0.18.

### 1.2 PACKAGE COMPONENTS

This chapter describe which are the packages made available for this release and what's on these packages. From the Spago4Q download the next packages are available:

1. **Spago4Q-2.0-core.zip** - This package contains the main application that extend SpagoBI.
2. **Spago4Q-2.0-sql.zip** - This package contains all the sql scripts useful to support the data-model extension.
3. **Spago4Q-2.0-process-detail-report.zip** - this package contains the extraction process detail report.
4. **Spago4Q-2.0-quick-install.zip** - This package contains the application code, the database dump and the configuration files used in the quick installation steps.
5. **Spago4Q-2.0-src.zip** - The source code package that contains the projects used to build the core binaries. These projects are:
  - data-access
  - extractors
  - spago4q

For the development environment setup see the appropriate chapter.

## 2 Installation

The Spago4Q installation is proposed in two different ways: Quick and Manual. The first one is useful for who wants to setup a working environment with some sample data. The manual installation is for who already have a SpagoBI installed or to have an environment configuration without the sample data.

### 2.1 QUICK

#### 2.1.1 STEP 1

The assumption here is that you have a MySQL database up and running on your local machine and on the default port. Create an account on the database for the SpagoBI and Spago4Q metadata. Create a schema with the same name and give to the user all the grants on this schema.

MySQL	Localhost:3306
User	spago4q
Password	spago4q
Schema	spago4q

Note: User, Password and schema are lowercase.

#### 2.1.2 STEP 2

Download the SpagoBI 2.1 package (the name format is *Demo-SpagoBI-2.1.0-apache-tomcat-6.0.18-xxxxxxx.zip*) and unzip it on folder. For example:

Windows	C:\spago4q
Linux	/home/spago4q

Note: verify the files permissions for Linux and, if it's the case apply the 755.

Linux	<code>chmod 755 /home/spago4q/apache-tomcat-6.0.18/bin/*.sh</code>
-------	--

#### 2.1.3 STEP 3

Download the the package *Spago4Q-2.0-quick-install.zip* and unzip it in a temporary folder. The content of this archive is:

**Tomcat-6.0.18:** this folder contains all the Spago4Q 2.0 binaries and some other files according to the tomcat structure

**Spago4Q-2.0-quick-install.sql:** the MySQL dump file

Copy the Spago4Q tomcat folder *tomcat-6.0.18* on top of the tomcat folder obtained from the SpagoBI installation *apache-tomcat-6.0.18*. This operation will basically add the Spago4Q binaries, override the *server.xml* (to update the reference of the database from the SpagoBI demo one to the MySQL provided by Spago4Q) and add other useful files.

Windows	<code>copy [tmp folder]\Spago4Q-2.0-quick-install\tomcat-6.0.18\* to C:\spago4q\apache-tomcat-6.0.18\*</code>
Linux	<code>copy [tmp folder]/Spago4Q-2.0-quick-install/tomcat-6.0.18/* to /home/spago4q/apache-tomcat-6.0.18/*</code>

Be sure to exactly overlap the contents of the SpagoBI tomcat folder and the Spago4Q tomcat folder.

For the Linux user the commands will look like:

```
cp -R [tmp folder]/Spago4Q-2.0-quick-install/tomcat-6.0.18/conf/*
/home/spago4q/apache-tomcat-6.0.18/conf

cp -R [tmp folder]/Spago4Q-2.0-quick-install/tomcat-6.0.18/webapps/*
/home/spago4q/apache-tomcat-6.0.18/webapps
```

Import the database dump file *Spago4Q-2.0-quick-install.sql* into the schema defined in Step 1.

#### **2.1.4 STEP 4**

Start the Tomcat server:

Windows	<code>C:\spago4q\apache-tomcat-6.0.18\bin\startup.bat</code>
Linux	<code>/home/spago4q/apache-tomcat-6.0.18/bin/startup.sh</code>

For Linux users see the known issue in Appendix A.

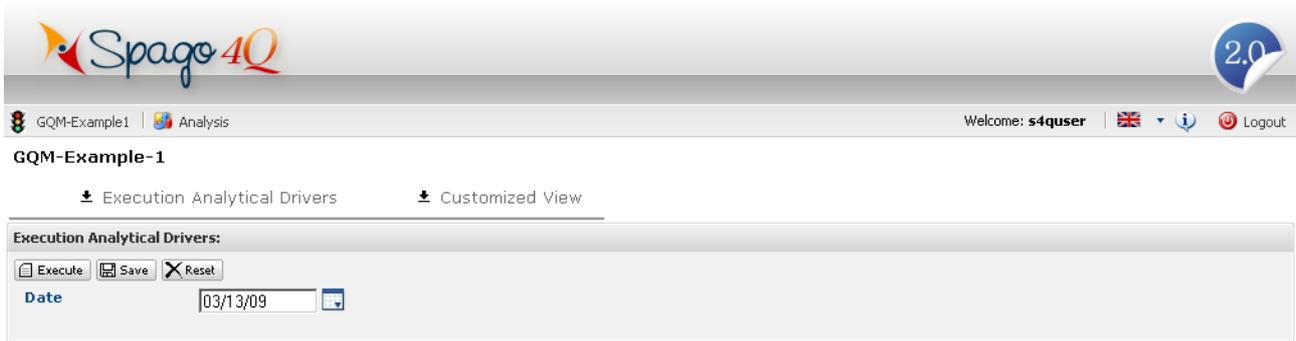
Point the browser to:

URL	<code>http://localhost:8080/SpagoBI</code>
-----	--

Login as:

User	<code>s4quser</code>
Password	<code>s4quser</code>

This is what you should see:



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The installation is completed and the platform has two more users configured: *s4qadmin*, *s4quser*.

## 2.2 MANUAL

For the manual installation the assumption is to already have an installed and working SpagoBI 2.1 server. As reported in the requirements section the SpagoBI installation has to store the meta-data on a MySQL database.

### 2.2.1 STEP 1

Stop the SpagoBI server, if it's running.

### 2.2.2 STEP 2

Download the package *Spago4Q-2.0-core.zip* and unzip it into the SpagoBI web application folder.

Windows	[SpagoBI tomcat root]\webapp\SpagoBI
Linux	[SpagoBI tomcat root]/webapp/SpagoBI

Be sure to exactly overlap the contents of the SpagoBI web application folder and content of the folder in the extracted data.

### 2.2.3 STEP 3

Download the package *Spago4Q-2.0-sql.zip* and unzip it in a temporary folder. Use the *Spago4Q-2.0-mysql.sql* to extend the SpagoBI meta-model with the Spago4Q tables.

### 2.2.4 STEP 4

Start the SpagoBI server. And login as administrator (ex: biadmin) and change the s4qadmin role:

Tools -> Role Synchronization

Double click on the column Type for the Name "/spagobi/s4qadmin" and change it to "Spago4Q Administration".

The installation is completed and the platform has two more users configured: *s4qadmin*, *s4quser*.

### 2.2.5 STEP 5

Inside the package *Spago4Q-2.0-process-detail-report.zip* there is the archive *Process-detail-report.zip* that is the report to monitor the configuration of the single extraction process configured in the platform.

Import into the platform the *Process-detail-report.zip* to have the extraction process configuration report available. For the import go to:

Tools -> Import/export

Upload the report archive *Process-detail-report.zip* and follow the SpagoBI steps.

Note: before the import check that the Jasper Report Engine and the SpagoBI (meta-data) Data Source are available.

### 3 Appendix A

For the SpagoBI package [Demo-SpagoBI-2.1.0-apache-tomcat-6.0.18-03182009.zip](#) there is a known issue about the .sh files format. To execute these files you have to first switch from the Windows to Unix file format.

To do that you can use the *dos2unix* utility. After the usage of this command check again the files permissions.

#### 3.1 UBUNTU

For an Ubuntu installation it's also possible to use the command *fromdos* available with the package *tofrodos*. So the command line to use inside the `apache-tomcat-6.0.18/bin` directory in order to convert the files from Windows end of lines to Unix end of lines :

```
find . -name '*.sh' -exec fromdos {} \;
```