

## INTRODUCTION

This package contains a Talend ETL process whose aim is to copy metadata from a SpagoBI to a Knowage.

It is composed by:

- **SpagoBI2Kowage.bat/sh**: using to start the process.
- **configurationFile.properties**: using to configure the DB connections
- **/SpagoBI2Knowage\_0.1**: the process.

## Prerequisites

This Job is designed using **Talend Open Studio 6.4.1**.

<b>Operating system</b>	Runs on <b>Windows</b> or <b>Linux</b> operating systems.
<b>Java platform</b>	Requires: <ul style="list-style-type: none"><li>• <b>JDK version 1.8</b> already installed.</li><li>• <b>JAVA_HOME</b> environment variable already setted.</li></ul>
<b>Memory</b>	Requires <b>1GB of Java heap size</b>
<b>Disk usage</b>	Requires <b>20MB</b> of free space on file system.
<b>Database</b>	This Job is tested with one of the following database: <ul style="list-style-type: none"><li>• <b>MySQL 5.7</b></li><li>• <b>Oracle 11 XE</b></li></ul>
<b>SpagoBI Version</b>	5.1 or 5.2
<b>Knowage Version</b>	6.1

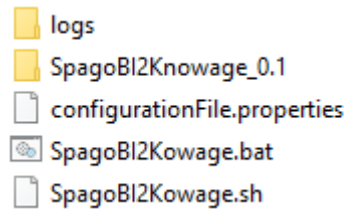
In order to migrate resources, user must have in its local environment both SpagoBI and Knowage installation tomcats (for resources migration).

**N.B.** Knowage metadata DB must be in initialized state: it means that creation script have been executed and knowage has been run one time, thus initializing some tables like SBI\_DOMAINS, SBI\_LOV, SBI\_ENGINES and so on. The software check other other data have not been inserted, otherwise stops the migration process,

## Installation and Configuration

This process does not required particular installation task, simply unzip the file *SpagoBI2Knowage.zip*.

After that you should see this structure:



We refer to <JOB\_HOME> as main directory the job is installed.

First of all you have to configure the DB connections in:

<JOB\_HOME>/configurationFile.properties.

```
## Configurations ##
```

```
# Export version and tenant
```

```
exportVersion=5.2.0
```

```
exportTenant=SPAGOBI
```

```
# Copy resources option
```

```
copyResources=false
```

```
knowagePath=D:/Knowage_6.0.0
```

```
SpagoBIPath=D:/All-In-One-SpagoBI-5.2.0
```

```
# SpagoBI Metadata DB connection
```

```
spagobi_jdbc_url=jdbc:mysql://localhost:3306/exportspagobi
```

```
spagobi_driver=com.mysql.jdbc.Driver
```

```
spagobi_user=root
```

```
spagobi_pwd=*****
```

```
spagobiDriverJar=./lib/mysql-connector-java-5.1.30-bin.jar
```

```
# knowage Metadata DB connection
```

```
knowage_jdbc_url=jdbc:mysql://localhost:3306/importknowage
```

```
knowage_driver=com.mysql.jdbc.Driver
```

```
knowage_user=root
```

```
knowage_pwd=*****
```

```
knowageDriverJar=./lib/mysql-connector-java-5.1.30-bin.jar
```

```
oracleToOracle=false
```

```
detailLog=true

# Log folder
logFolder=../../logs
```

Here are explained all configurations:

Configuration	Meaning
<i>Generic configurations</i>	
exportVersion	The SpagoBI version that is source of migration: can be 5.2.0 (default) or 5.1.0
exportTenant	The tenant to export (default SPAGOBI)
copyResources	True (default) in order to copy resources from SpagoBI to knowage, false otherwise.
SpagoBIPath	The path of SpagoBI tomcat (needed if want to export resources)
knowagePath	the path of knowage tomcat (needed if want to export resources)
logFolder	Folder where log will be store, default to ../../logs
oracleToOracle	true/false: set to true if you are running job from oracle to oracle, this was to set because of particular oracle handling of CLOB data
detailLog	true/false: set to true in order to have a richer log, with all associations detailed
<i>SpagoBI Metadata DB connection</i>	
spagobi_jdbc_url	Jdbc url for SpagoBI metadata DB (example <i>jdbc:mysql://localhost:3306/exportspagobi</i> )
spagobi_driver	Driver class
spagobi_user	User
spagobi_pwd	password
spagobiDriverJar	Path of the jar with jdbc driver (example <i>./drivers/mysql-connector-java-5.1.30-bin.jar</i> )
<i>Knowage Metadata DB Connection</i>	
knowage_jdbc_url	Jdbc url for knowage metadata DB (example <i>jdbc:mysql://localhost:3306/importknowage</i> )
knowage_driver	Driver class
knowage_user	User
knowage_pwd	password

knowageDriverJar	Path of the jar with jdbc driver (example ./drivers/mysql-connector-java-5.1.30-bin.jar)
------------------	--

## Execution

To execute job click on <JOB\_HOME>/SpagoBI2Kowage.bat (or .sh). It runs the job by passing it configuration file path.

## Logging

Execution log is created in a text file, that will appear as specified in configuration (default behaviour is that appears in main <JOB\_HOME>/logs main directory).

The log file title is timestamp marked, so that each execution has different. It contains basic log info about job progress and traces errors if any

## In case of errors

In case of errors the job stops without committing DB changes so that nothing is imported.

## Job details

This job copy informations from SpagoBI DBMS to Knowage DBMS.

These tables are copied and inserted

- data sources
- data sets
- LOV
- drivers
- functionalities
- roles and role/authorizations association
- users
- documents of type: birt / jasper / jpivot / what if / network / process engine / data mining / talend
- documents /drivers link

These tables are overwritten

Some SpagoBI exported entities are associated to some knowage entities that are already inserted after initialization.

It means that are not inserted if already found but eventually overwritten in some properties

- **SbiDomains**
- **SbiEngines**
- **SbiChecks**
- **SbiUserFunc**
- **SbiAuthorizations**
- **SbiExtRoles:** following associations are automatically made:

- SpagoBI *spagobi/admin* role is mapped to predefined *admin* role in knowage
- SpagoBI *spagobi/user* role is mapped to predefined *user* role in knowage
- SpagoBI *spagobi/dev* role is mapped to predefined *dev* role in knowage
- SpagoBI *spagobi/test* role is mapped to predefined *test* role in knowage