



Informatica Power Center 9.0.1

Informatica Reporting and Object Migration Part I Lab#36

Description:

BISP is committed to provide BEST learning material to the beginners and advance learners. In the same series, we have prepared a complete end-to end Hands-on Guide for building financial data model in Informatica. The document focuses on how the real world requirement should be interpreted. The mapping document template with very simplified steps and screen shots makes the complete learning so easy. The document focuses on how to migrate Informatica Objects. **Join our professional training program and learn from experts.**

History:

Version	Description Change	Author	Publish Date
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An Introduction to Informatica Repository

Repository - The Informatica repository is at the center of the Informatica suite. The Informatica repository is a RDBMS that stores information or metadata, used by the Informatica Server and Client tools. Informatica repository metadata tables in industry also called as OPB tables/views or REP tables/views. Metadata can include information such as mappings describing how to transform source data, sessions indicating when you want the Informatica Server to perform the transformations, and connect strings for sources and targets.

The repository also stores administrative information such as usernames and passwords, permissions and privileges, and product version.

The Informatica Power Center Repository Manager is used for creating the repository. The Repository Manager connects to the repository database and runs the code needed to create the repository tables. These tables store metadata in a specific format for the Informatica server, client tools use.

There are three types of repository in Informatica.

- I. Local repository
- II. Global repository
- III. versioned repository

The **Global** repository is the hub of the domain and metadata sharable across the repository. Use the global repository to store common objects that multiple developers can use through shortcuts.

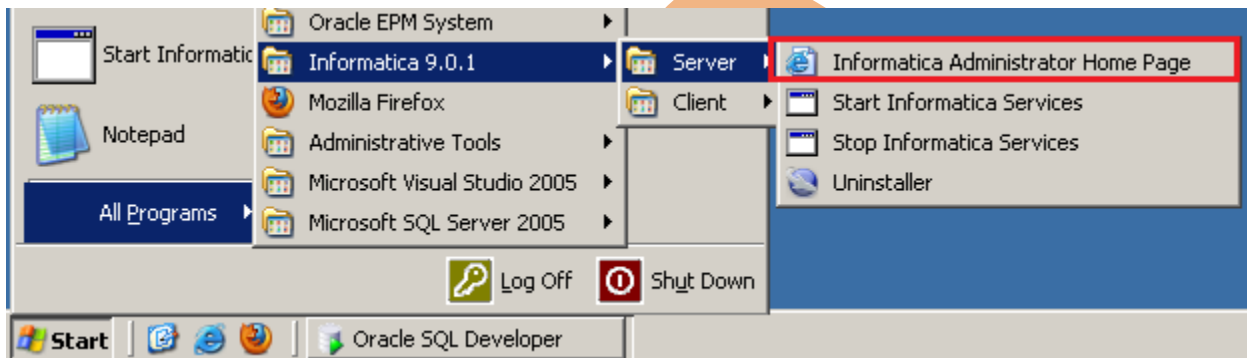
A **Local** repository is within a domain that is not the global repository and metadata sharable within the repository. Use local repositories for development.

A **Versioned** repository is local or global but it allows version control. Versioned repository can store multiple copies, or versions, of an object. Each version is a separate object with unique properties.

Creating and Configuring the Repository in Informatica Power Center Server

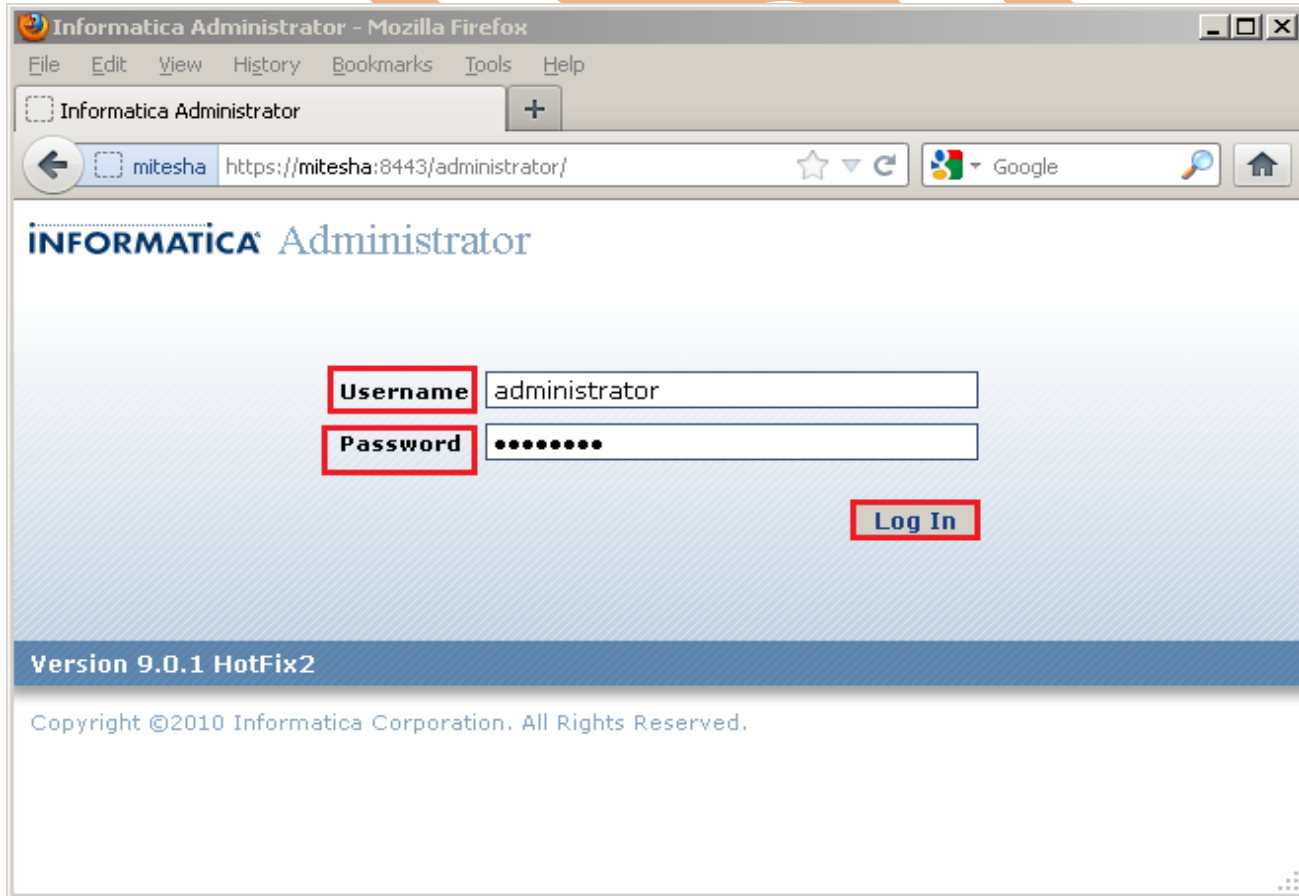
Step-1 Open Informatica Administrator,

Click on Start ➡ All Programs ➡ Informatica 9.0.1 ➡ Server ➡ Informatica Administrator Home Page.



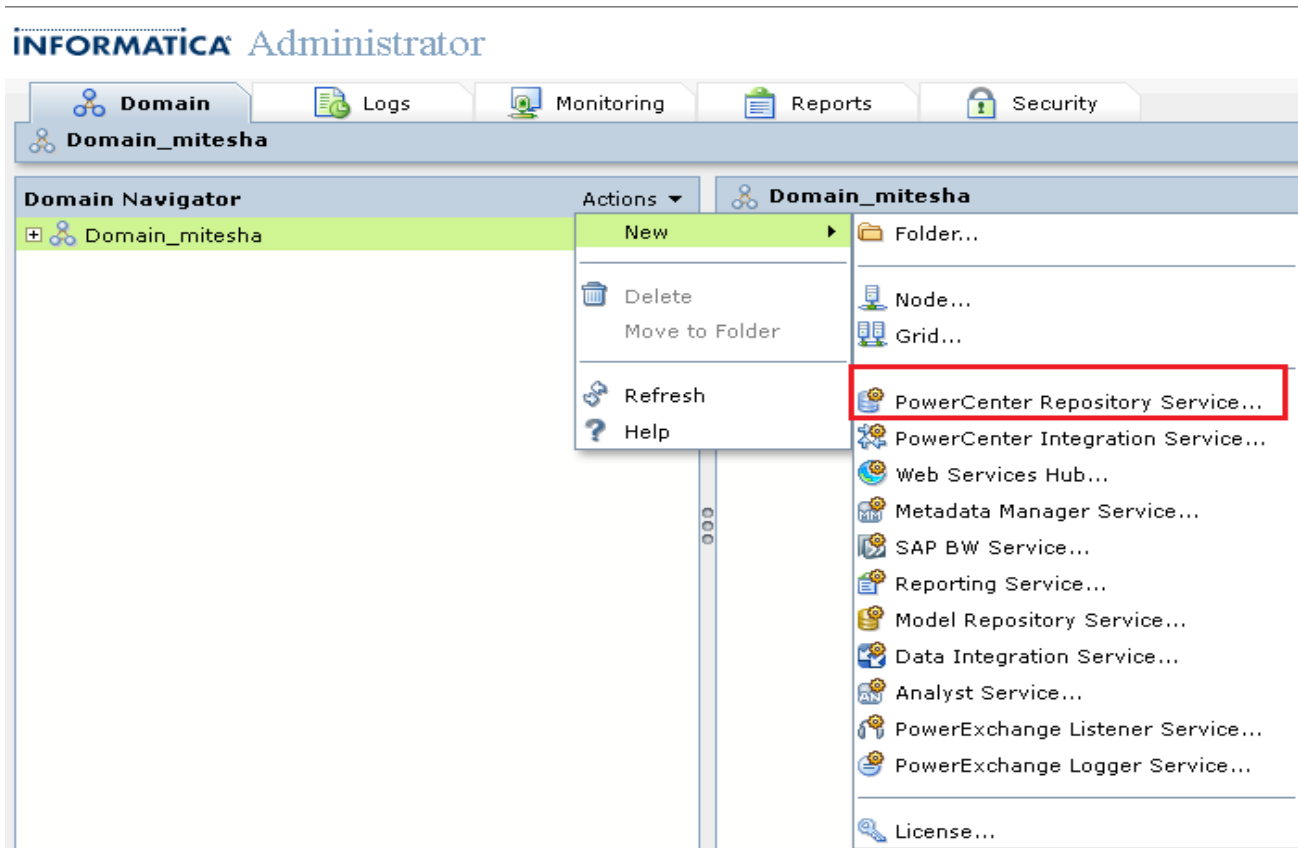
Step-2 Specify Username and Password

Now specify Username and Password to connect admin console and then click on Log In Button.



Step-3 Select your Domain Name

Select your Domain Name from Domain Navigator, and then click on Actions, select New and then click on Power Center Repository Service options then new window appears.



Step-4 Specify other parameters

Now specify the following information in new window and then click on Next button.

S.No	Property	Description
1	Repository Name	Your Repository Name. It is not contain space and special character.
2	Description	An optional description about the repository. The description field cannot exceed 765 characters.
3	Location	Select the Domain you have already created.
4	License	Select the license key from the drop down list.
5.	Node	Select the node name from the drop down list.

New PowerCenter Repository Service - Step 1 of 2

Specify the properties for this new PowerCenter Repository Service.

Name *	BISPRepository
Description	
Location *	Domain_mitesha Browse...
License	901_License_mitesha_48541 ▼
Node *	node2 ▼

< Back Next > Cancel

Step-5 Create username in RDBMS

Now create username in RDBMS(Which RDBMS you are using such as Oracle, MSSQL Server, DB2 etc.). If you have created then skip this step.

The screenshot shows the SQL Developer interface. On the left, the SQL Editor window displays the following SQL statements:

```
create user bispsolutions identified by password;
grant dba,connect,resource to bispsolutions;
```

On the right, the Database Object Tree shows the 'Other Users' folder expanded, with the 'BISPSOLUTIONS' user and its associated objects (Tables, Views, Indexes, Packages, Procedures, Functions, Triggers, Types, Sequences, Materialized Views, Materialized Views Log, Synonyms, Database Links, Directories, XML Schemas, and Recycle Bin) visible. A red arrow points from the SQL Editor to the 'BISPSOLUTIONS' user in the tree.

Step-6 Now specify the following information in new window and select no content exists under specified connection string. Create new content and select Enable version control then click on Finish button.

S.No	Property	Description
1	Database Type	Choose Database from dropdown list.
2	Username	Specify Username for Informatica power center repository.
3	Password	Specify password of Username.
4	Connection String	Connection string of RDBMS.
5.	Code Page	This is Repository code page. The Power Center Repository services uses the character set encoded in the repository code page when writing data to the repository. You cannot change the code page in the Power Center Repository Service properties after you create the Power Center Repository Service .
6.	Tablespace Name	This field for IBM DB2 repositories.

New PowerCenter Repository Service - Step 2 of 2

Specify the database properties for this new PowerCenter Repository Service.

Database Type * Oracle

Username * bispsolutions

Password *

Connection String * orcl

Code Page * MS Windows Latin 1 (ANSI), superset of Latin1

Tablespace Name

Specify the creation options for the new PowerCenter Repository Service.

Content exists under specified connection string. Do not create new content.

No content exists under specified connection string. Create new content.

Create as Global Repository (May not be reverted to local)

Enable version control (A versioned repository cannot be unversioned)

Enable the PowerCenter Repository Service

< Back Finish Cancel

What is Object Migration

Object migration lets you copy resources from one portal to another. In Informatica, we migrate repository, folder, mapping, mapplet, workflow and reusable object from on folder or repository to another and also migrate one version to another.

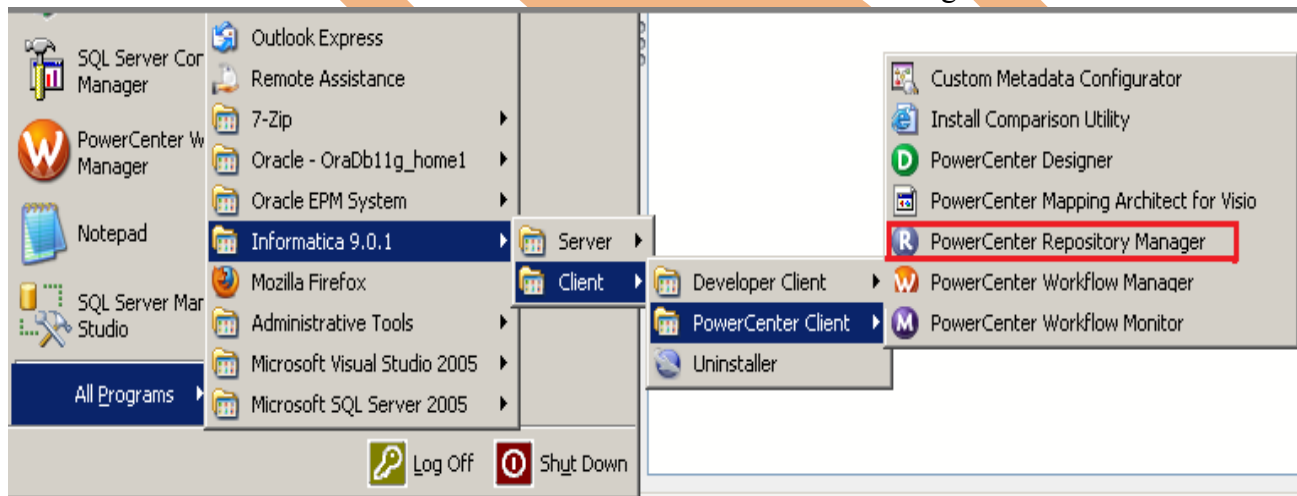
There are some points to consider

- 1.) XML migration can help migrate parameter & variable, session connection settings
- 2.) During migration, you can use the new "default session config" or the existing one in the PowerCenter repo.
- 3.) For different in repo. Codepage, you can simply edit the code-page in XML to make the import process work.

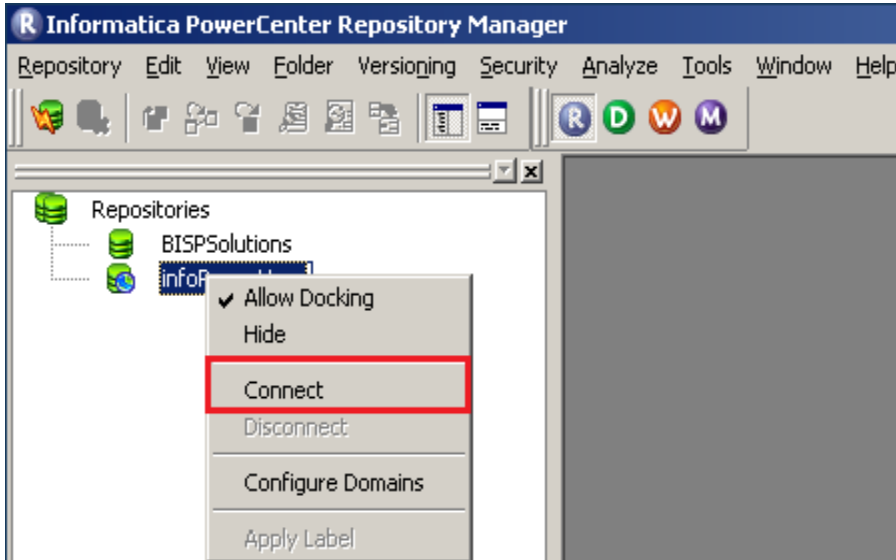
There are 3 way we can move/migrate the mappings

- 1) Import/Export
- 2) Using Deployment groups
- 3) Copy/past or Drag/drop

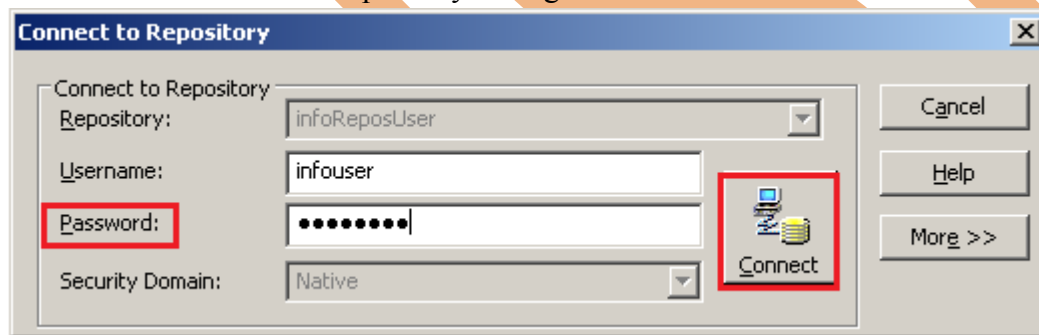
Step-1 Open Informatica Administrator, Click on Start ⇒ All Programs ⇒ Informatica 9.0.1 ⇒ Client ⇒ PowerCenter Client ⇒ PowerCenter Workflow Manager.



Step-2 Now, Right click on infoReposUser and click on Connect option in Informatica PowerCenter Repository Manager Environment.

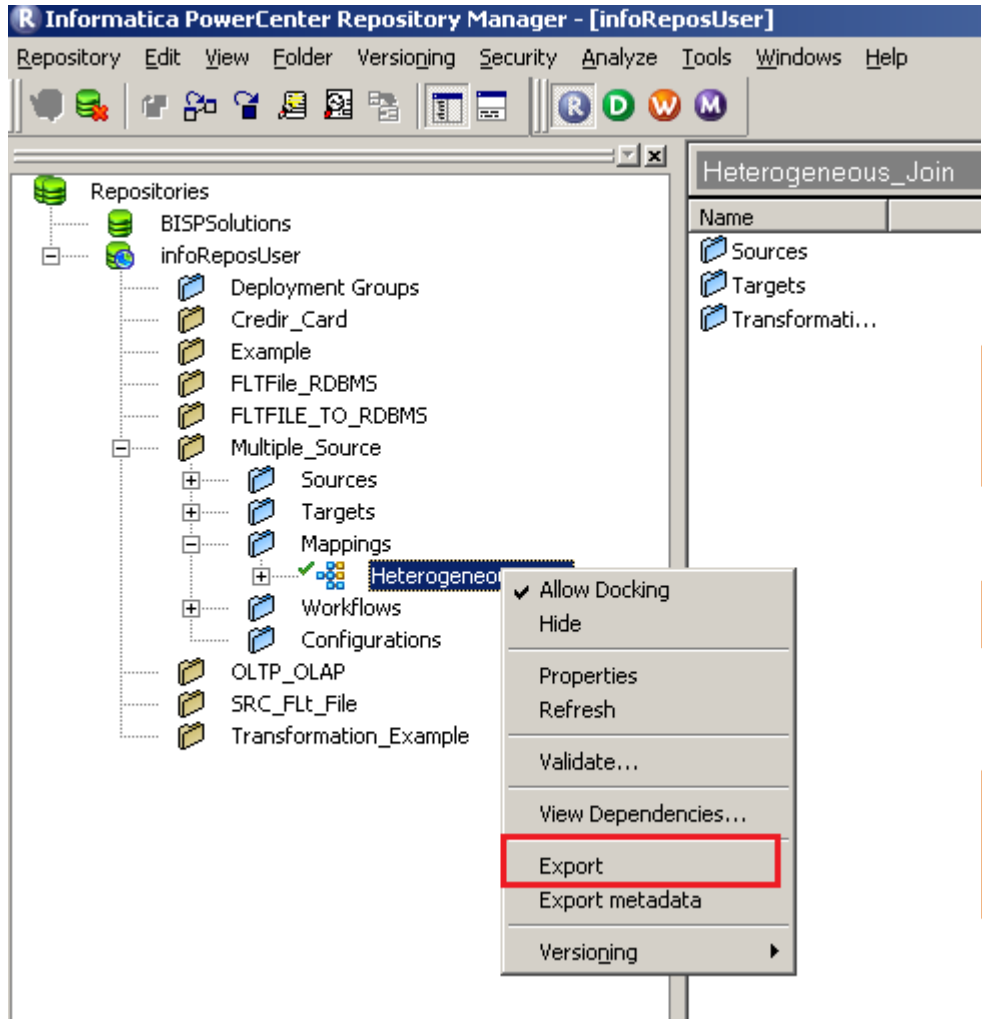


Step-3 Now, give User name and password and click on Connect button to connect repository in Informatica PowerCenter repository manager environment.

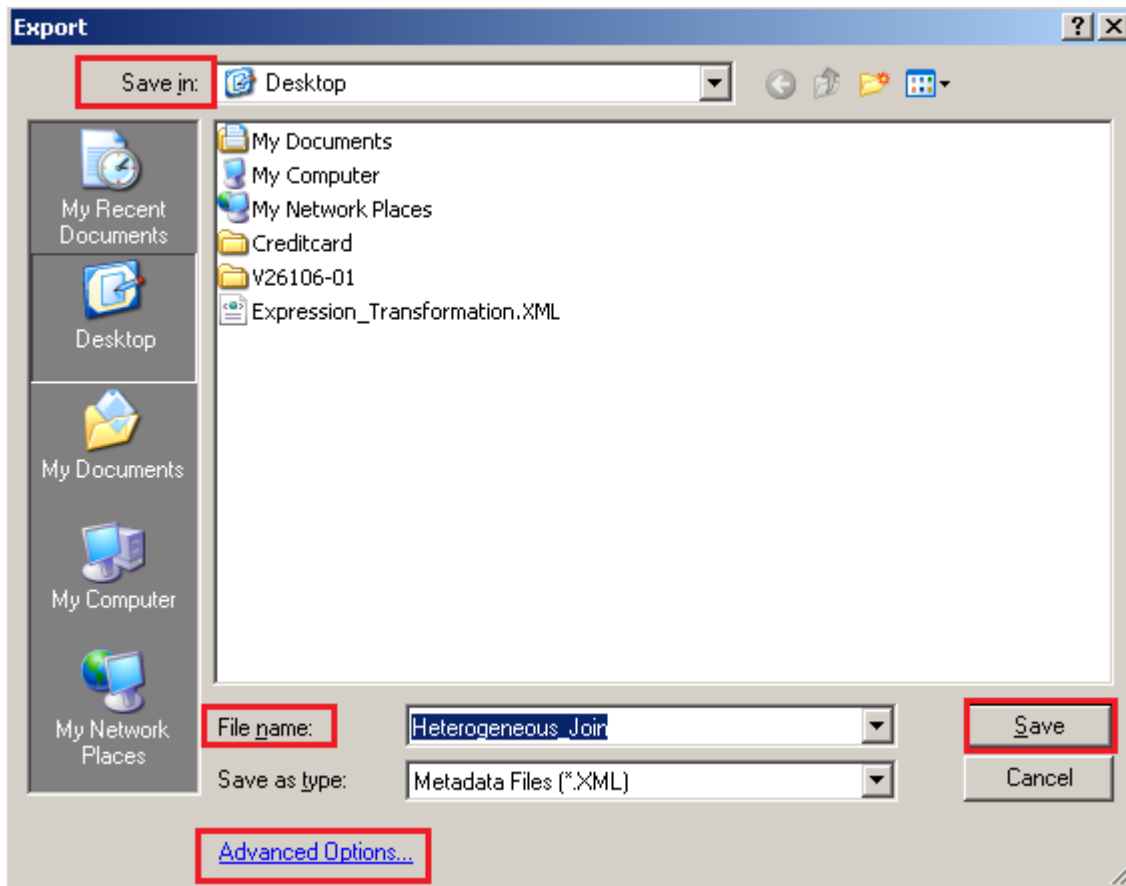


Here, we migrate mapping from one folder to another using XML migration.

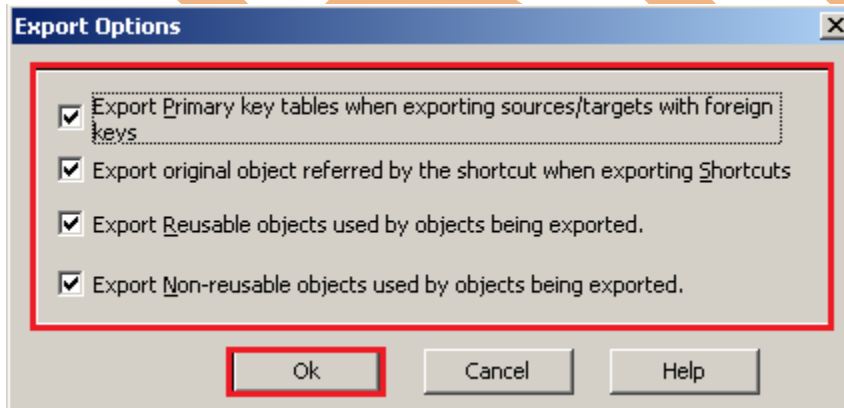
Step-4 Now, Right click on mapping name which you want to migrate from one folder to another and click on Export option and if you migrate metadata then select Export Metadata.



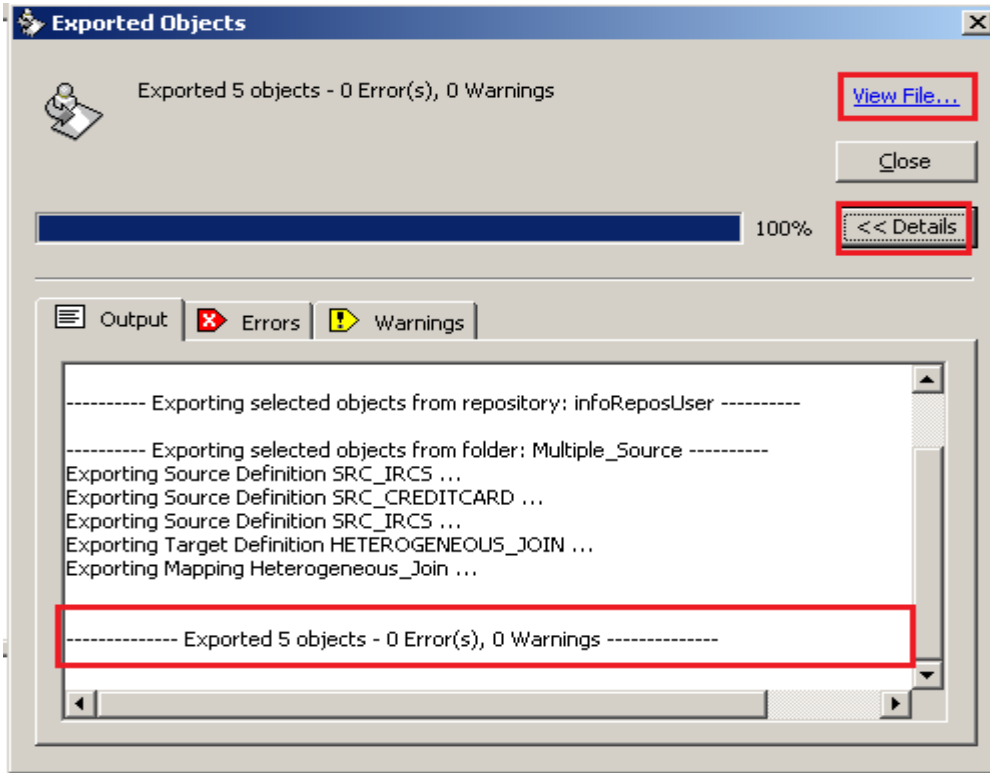
Step-5 Now, Select save location and give file name also you set advanced options for migrating mapping or object from one location to other location.



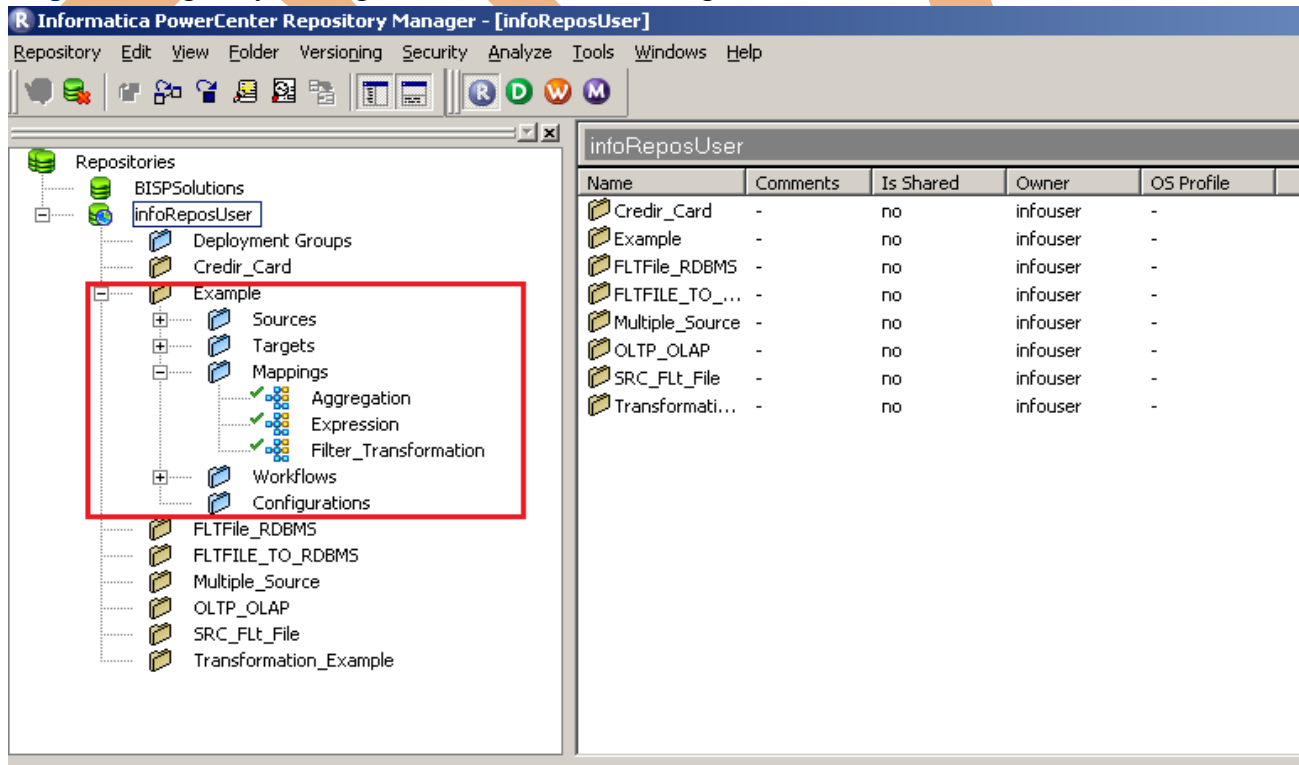
Step-6 Here, you can select or unselect these options.



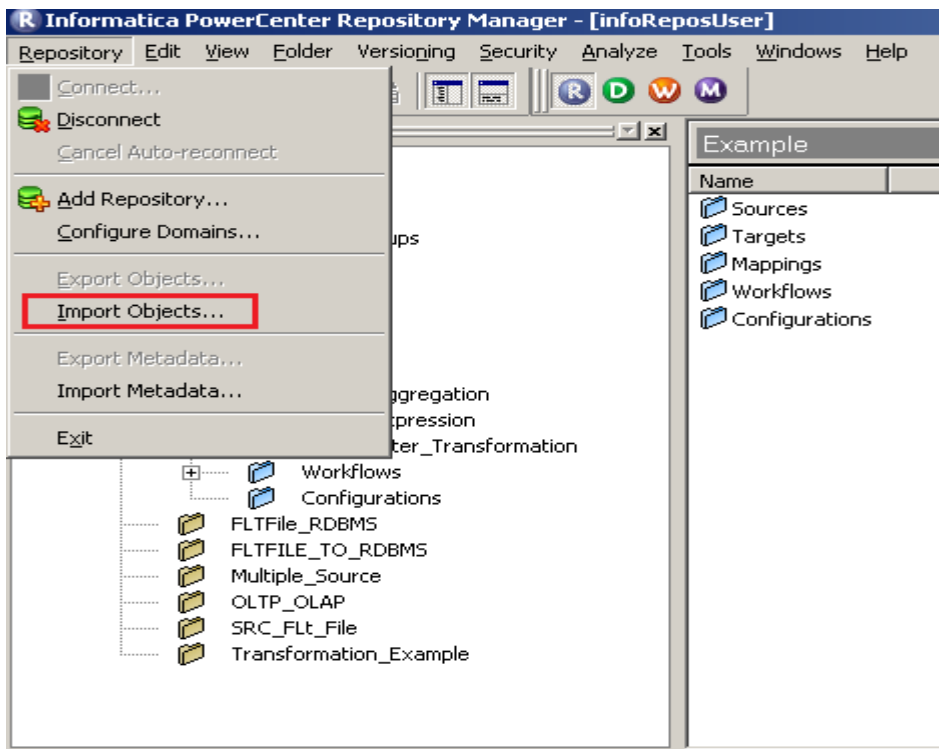
Step-7 Here, Exported objects successfully with no errors or no warnings, this file is in XML form. This XML file also contains source and target definition of mapping.



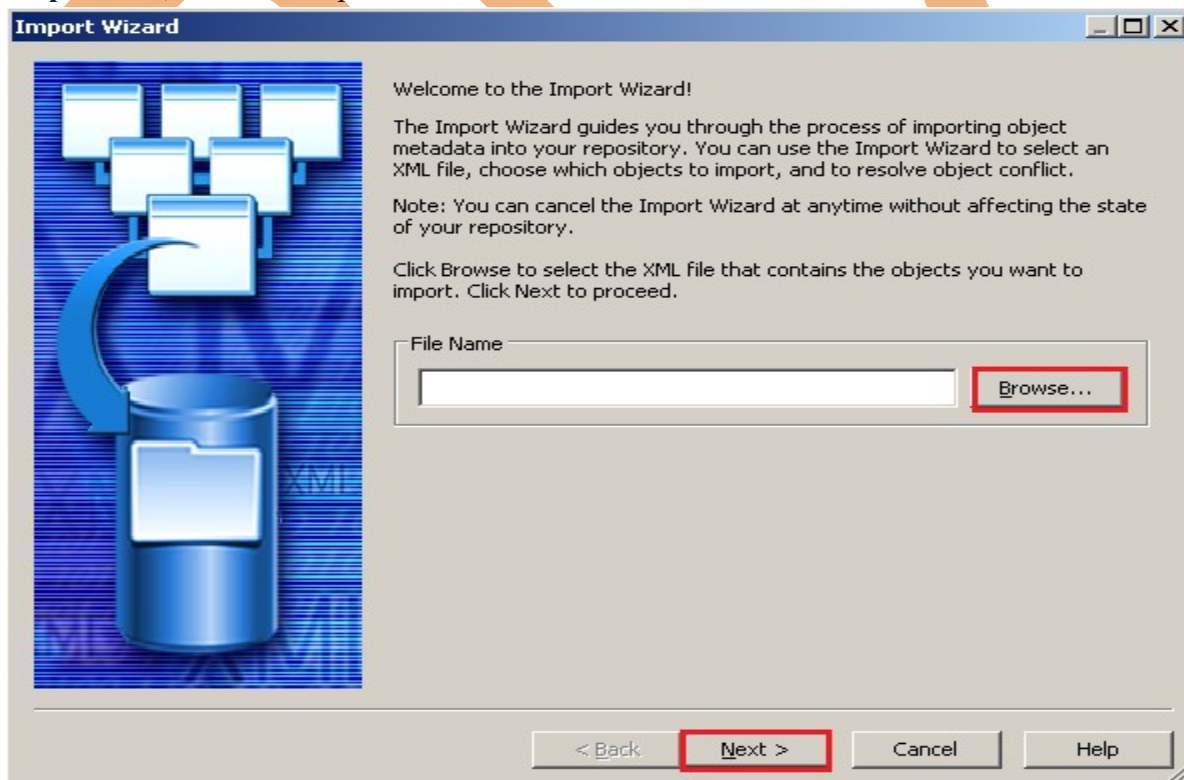
Step-8 Now, go to your target location, and select Target Folder.



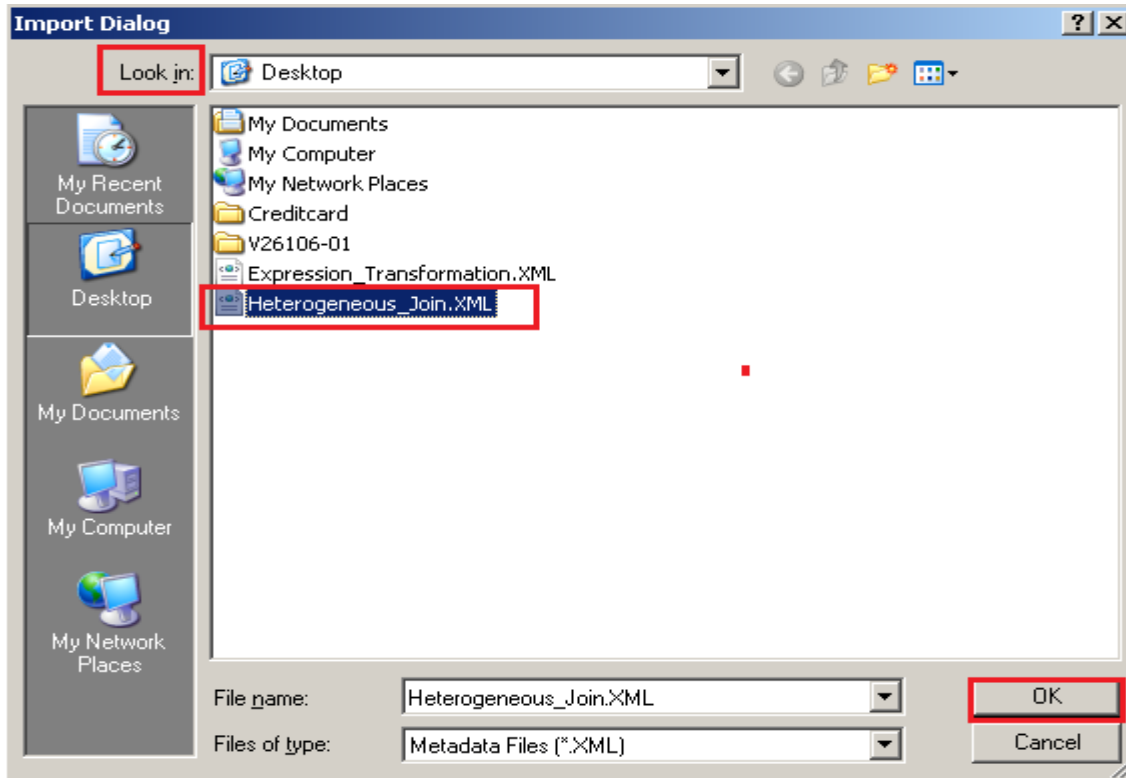
Step-8 Now, go to Repository menu and select Import Objects and if metadata then select repository and click on Import Metadata.



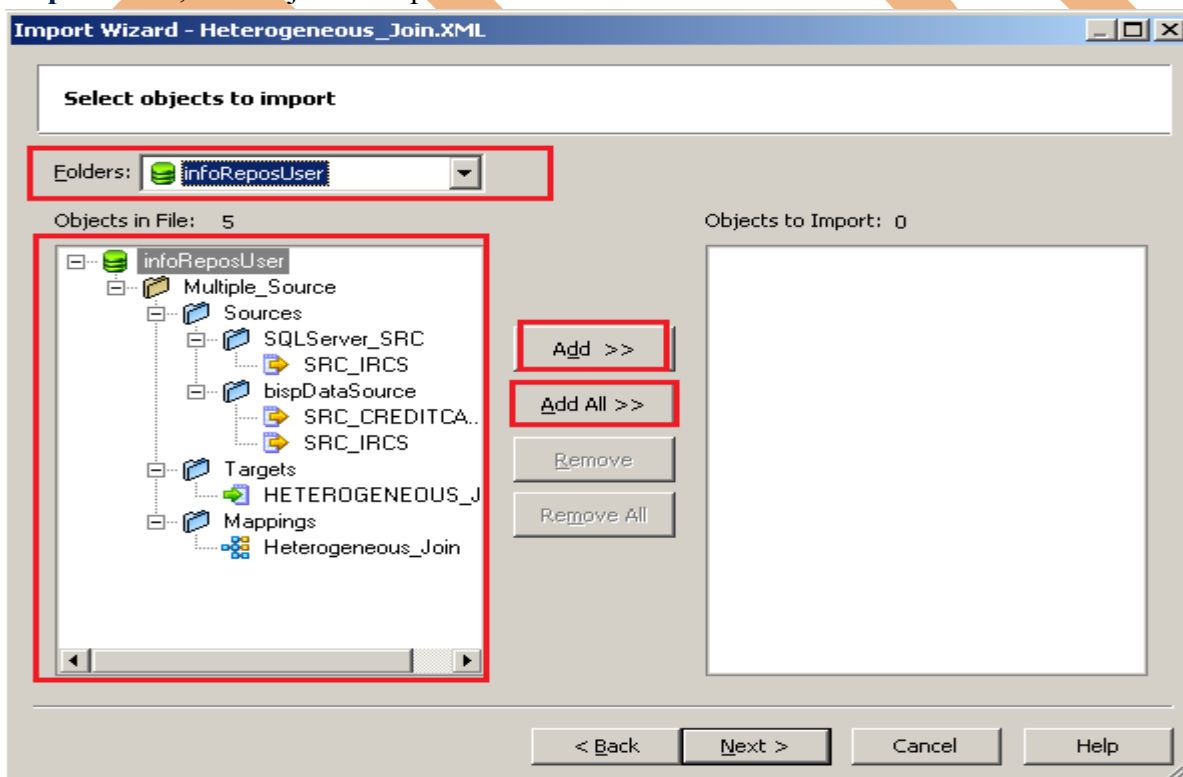
Step-9 Now, select the exported xml file and click on Next button.



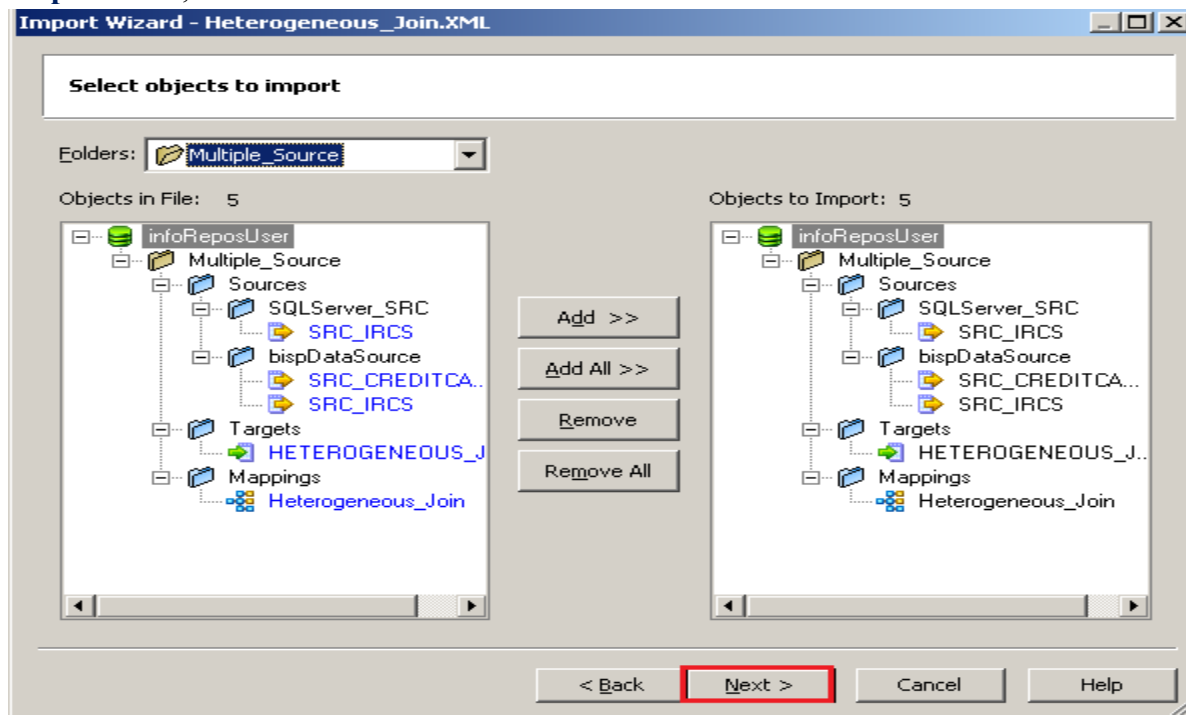
Step-10 Now, select file and click on OK button.



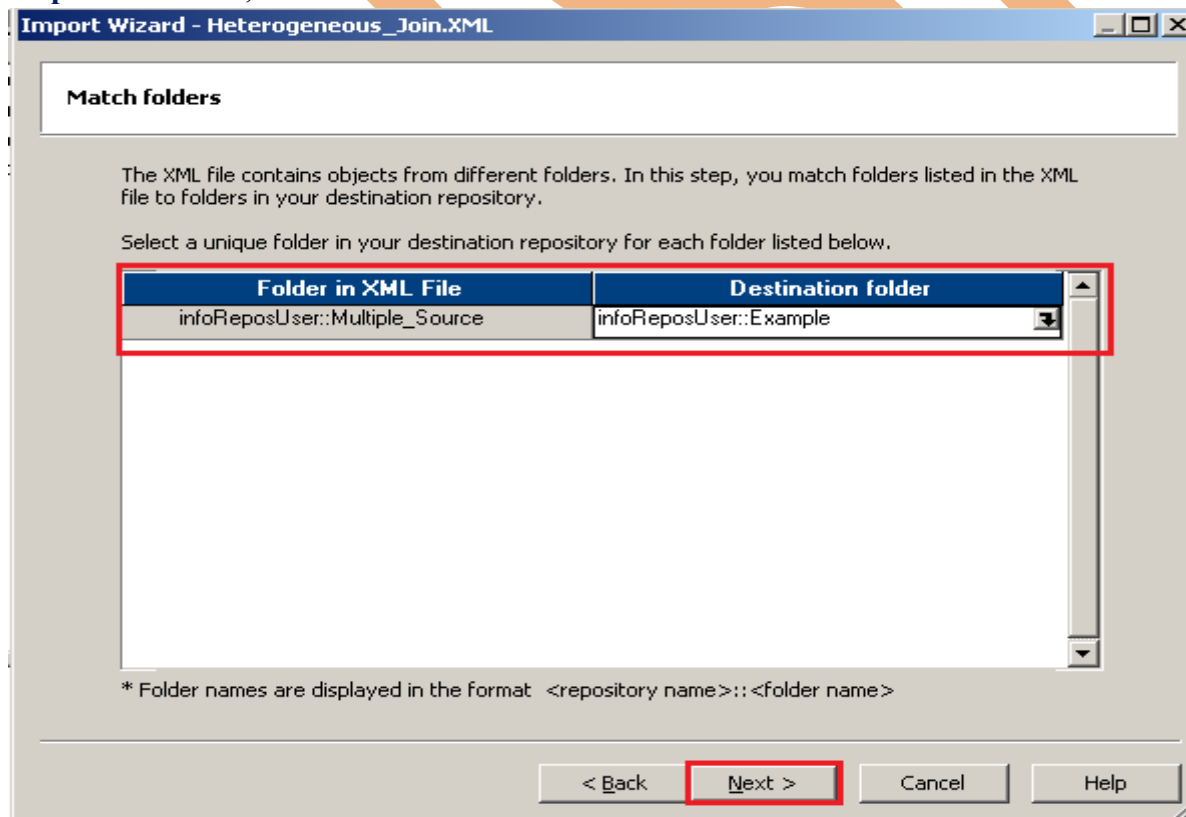
Step-11 Now, Add object to import and click on Next button.



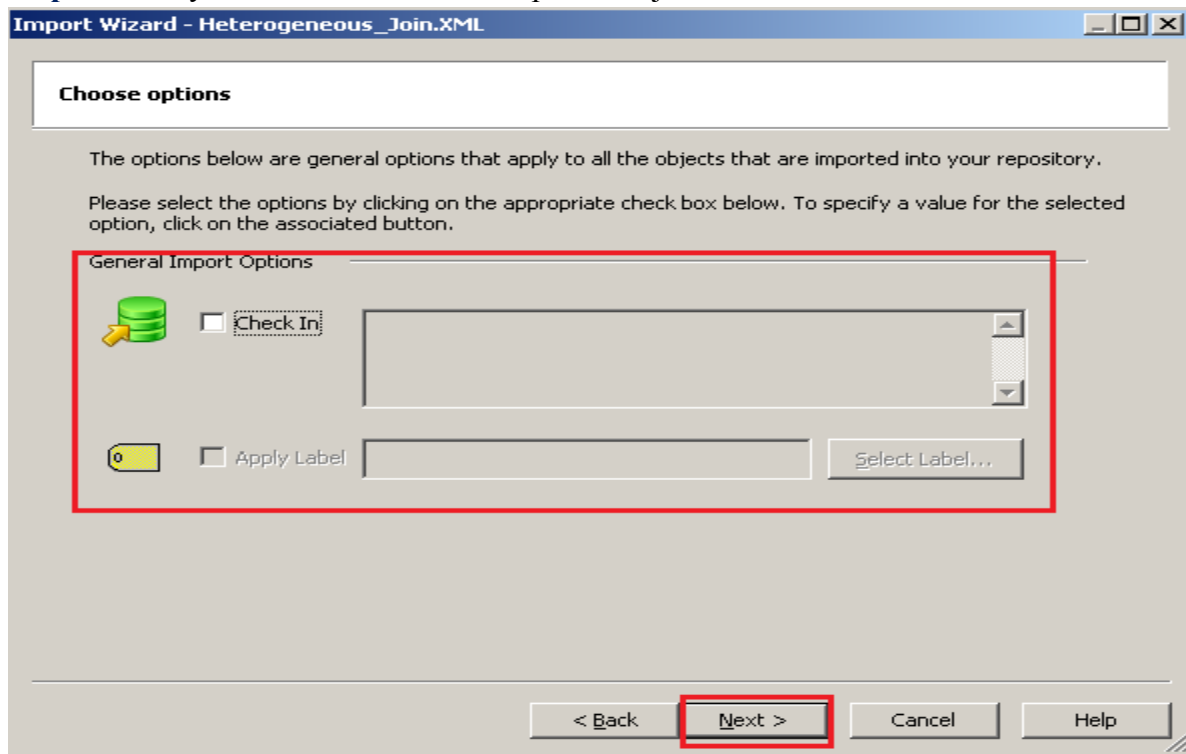
Step-12 Now, click on Next button.



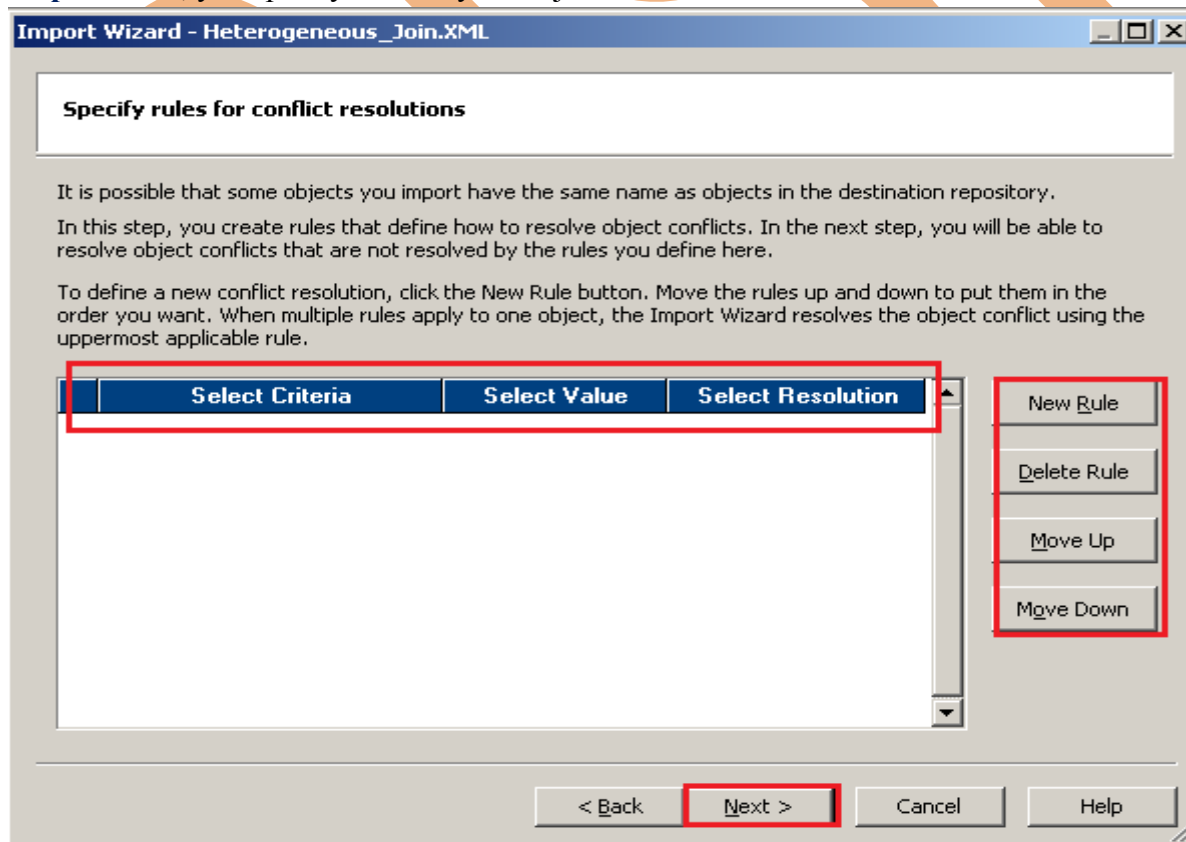
Step-13 Now here, select destination folder and then click on next button.



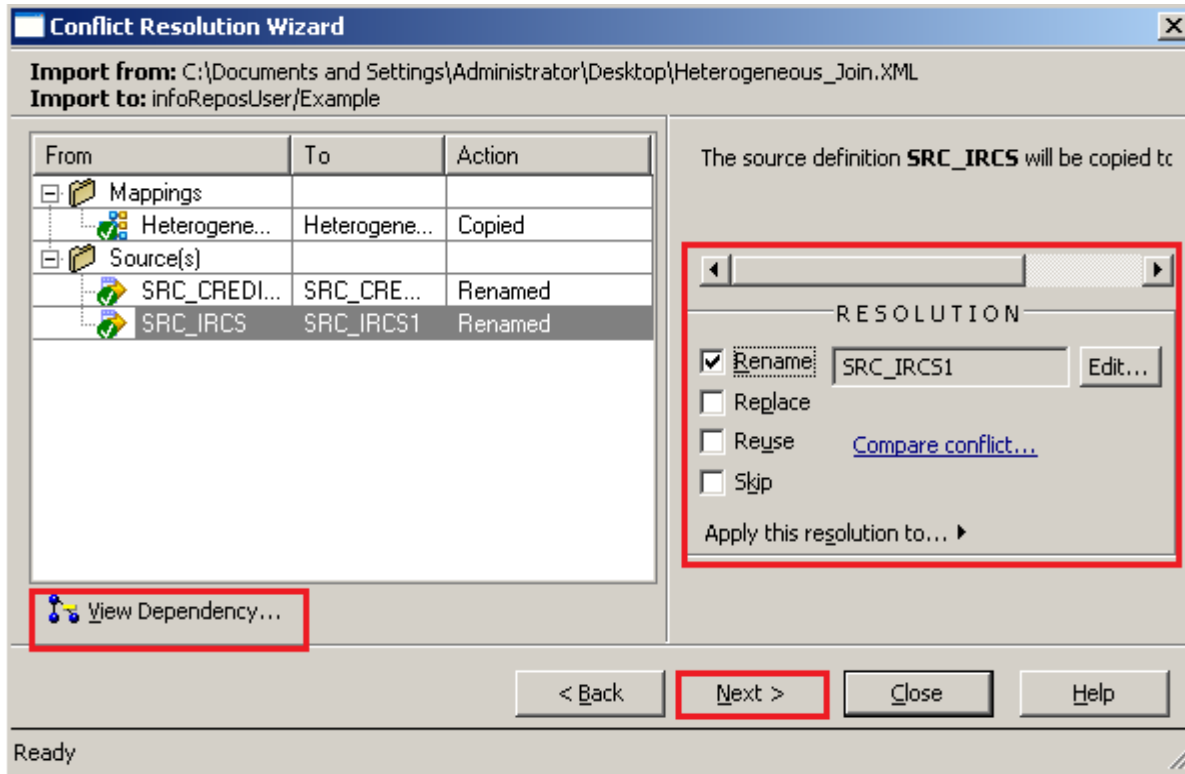
Step-14 Here you can do check in for imported object.



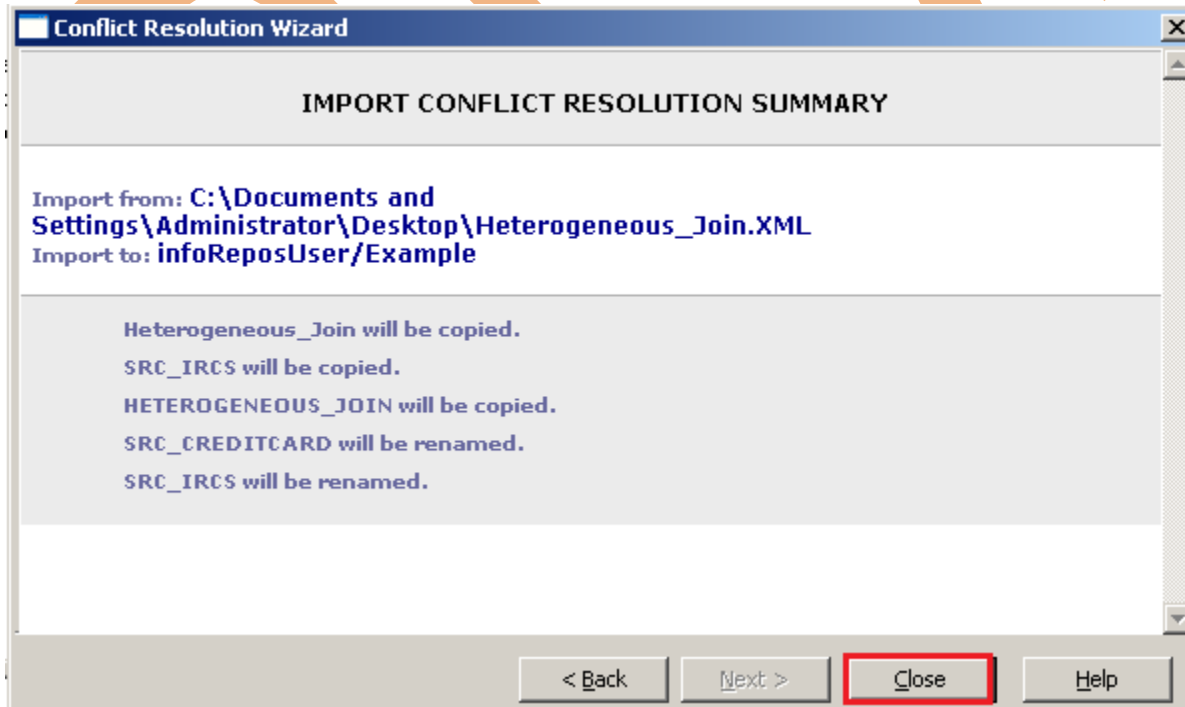
Step-15 Here, you specify rule for your object.



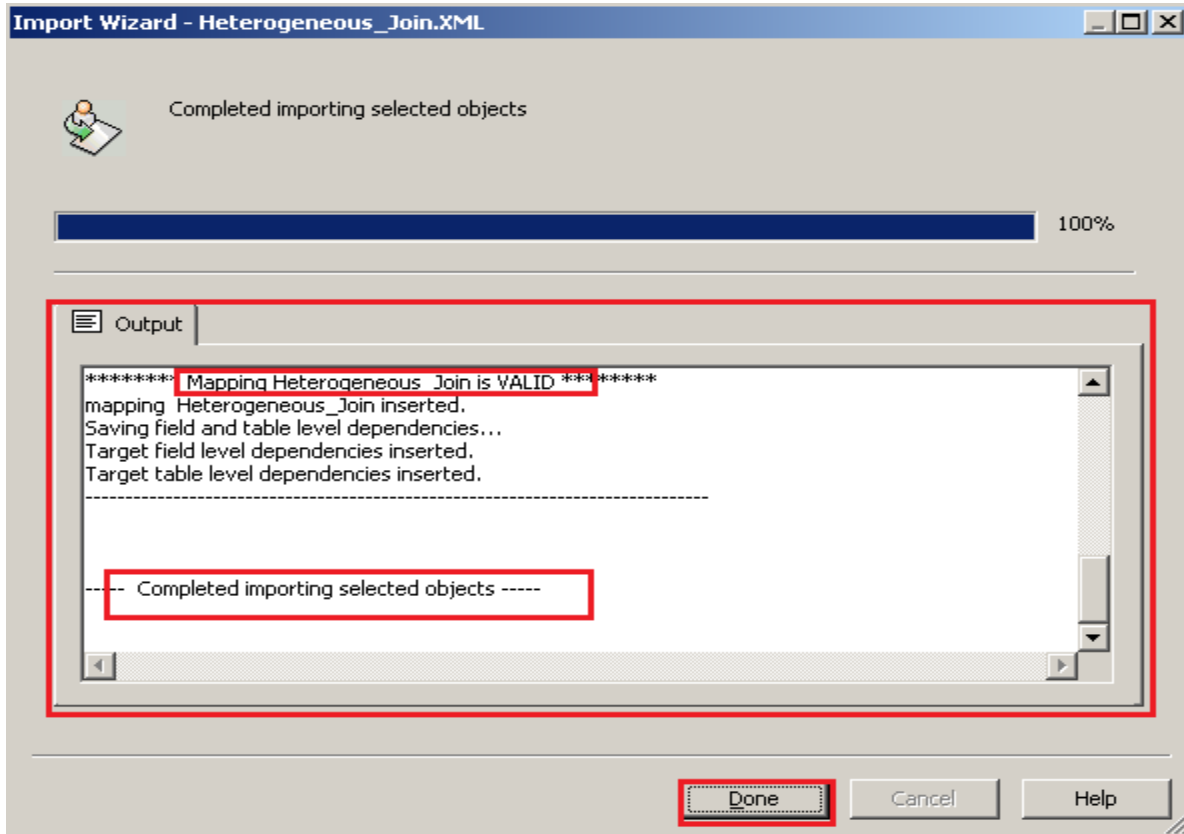
Step-16 Here you specify following options.



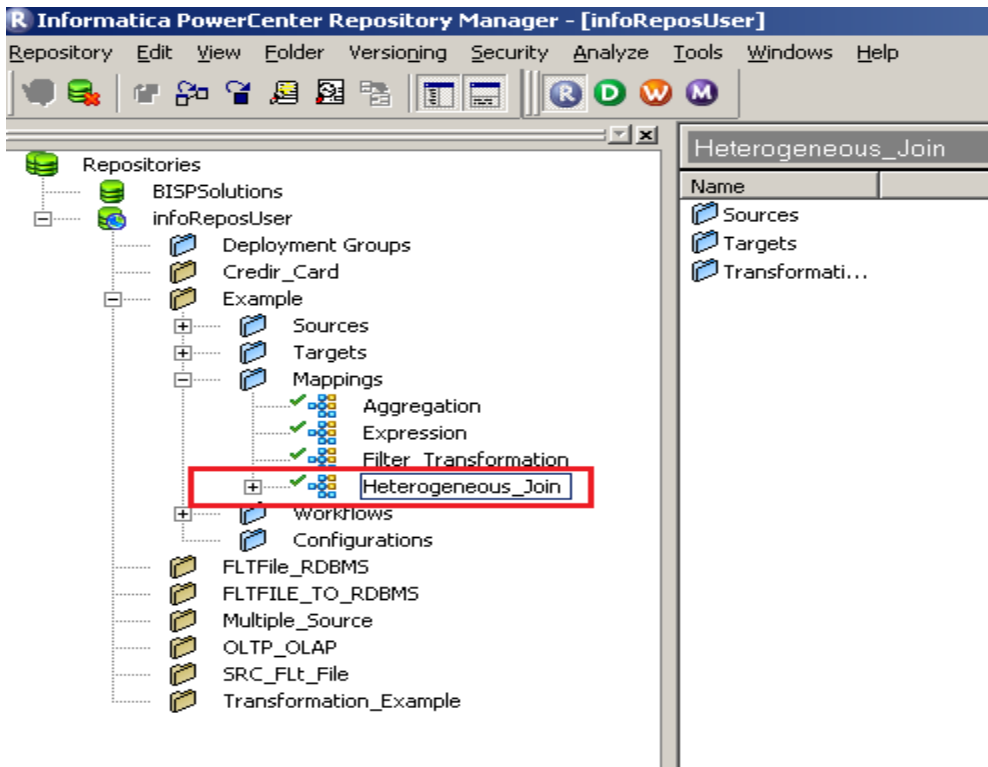
Step-17 Here you check import conflict resolution summary.



Step-18 Here, object imported successfully.



Step-19 Now, you can check in your target folder.

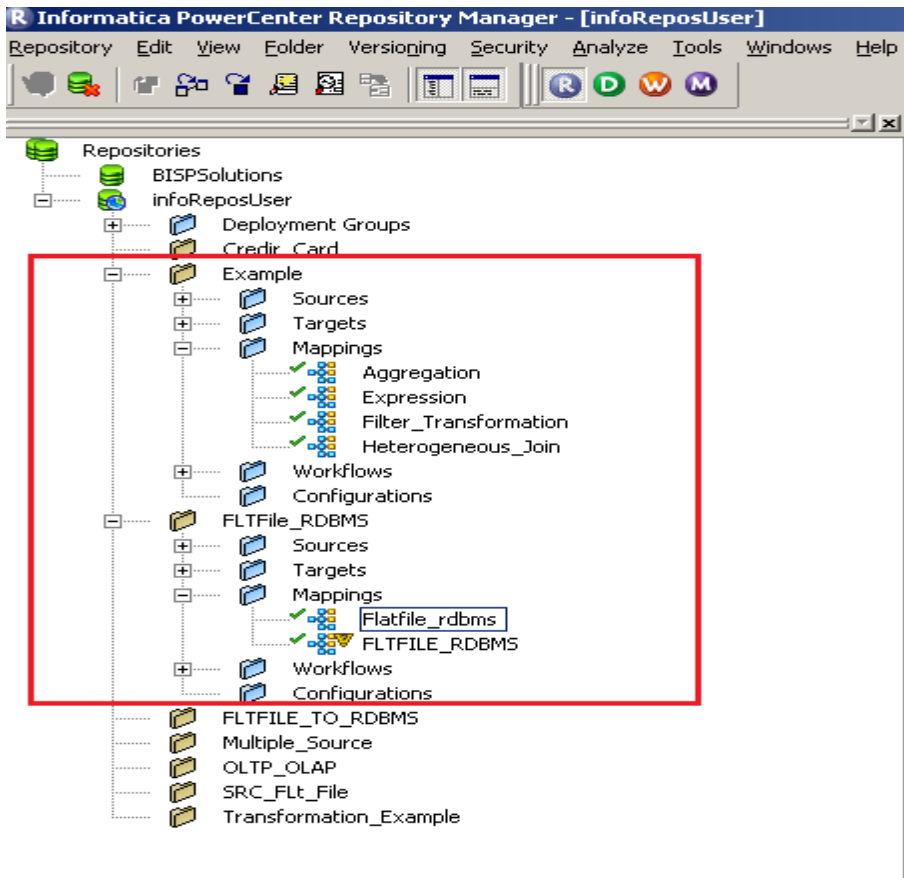


Migration Object Using Drag and Drop

This is very simple technique for object migration from one location to another. In this technique, we simply copy and paste object from one location or folder or repository. There are following step to perform this operation in Informatica Power Center 9.0.1.

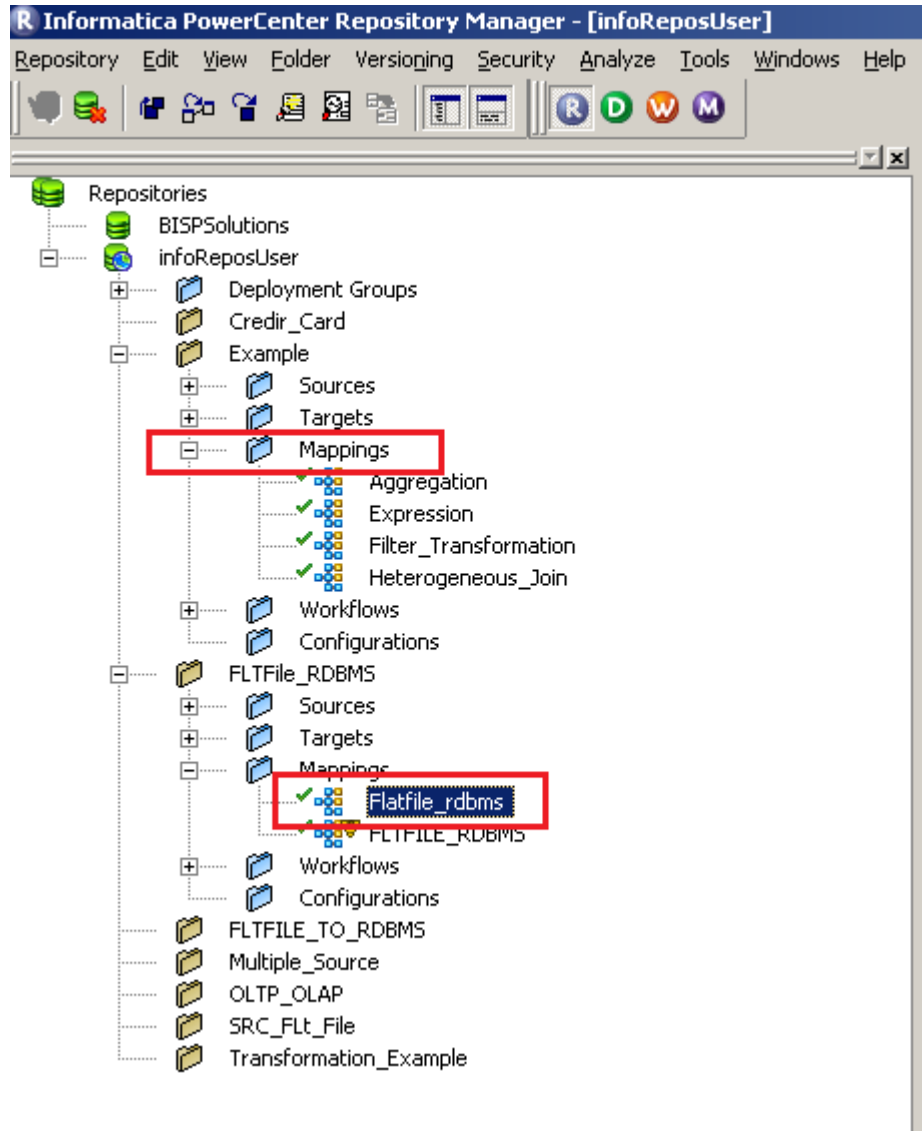
Step-1 Connect to repository

Connect to repository, and open both folder.

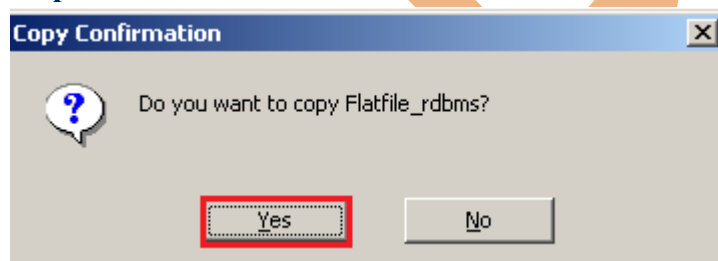


Step-2 Select mapping or object which you want to copy

Select mapping or object which you want to copy one location to another and drop into target location then a new window appears.

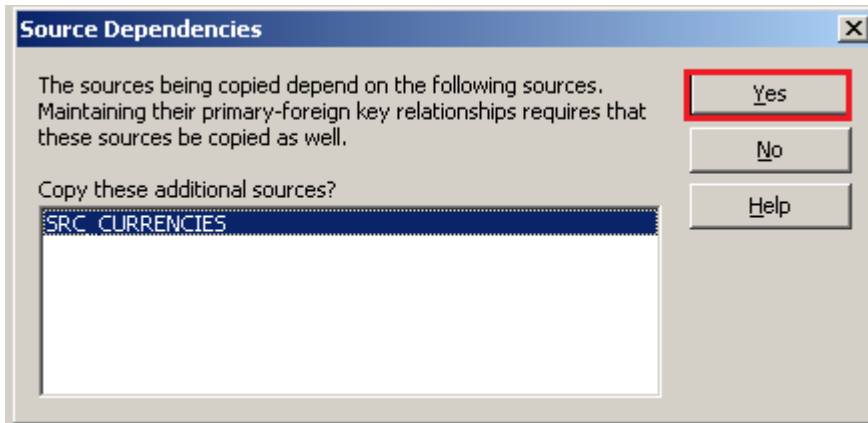


Step-3 Click on Yes button.



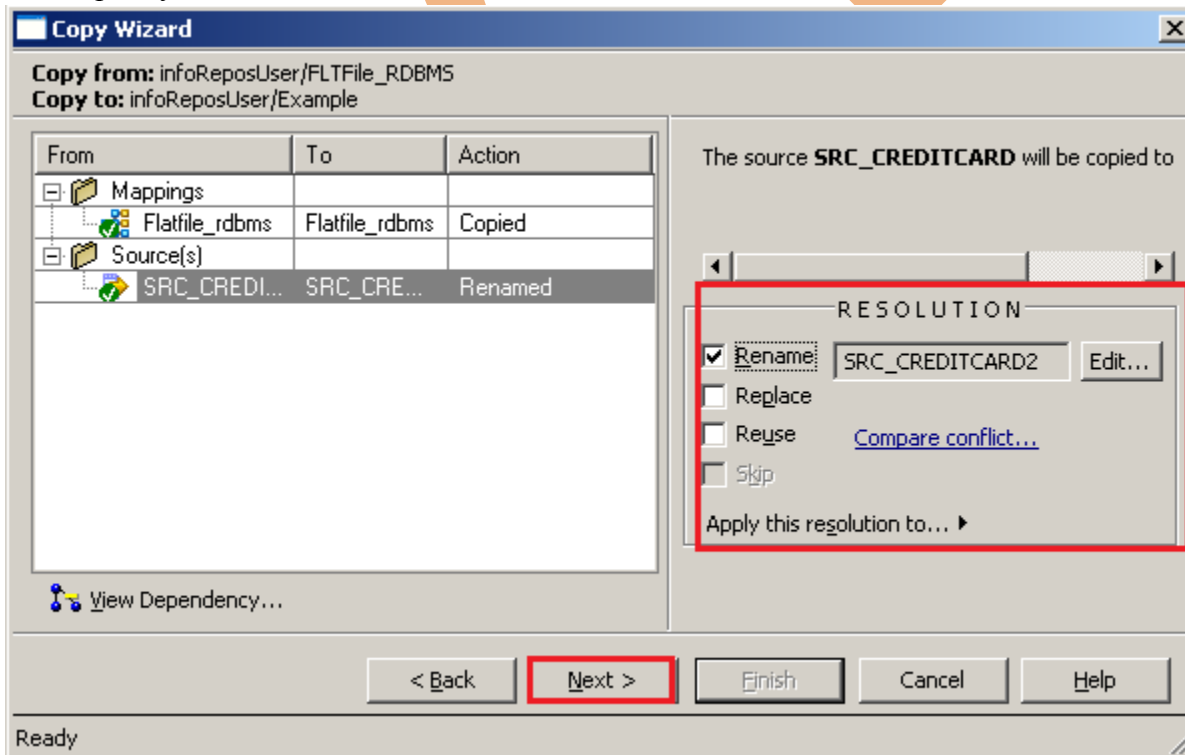
Step-4 Select source dependencies

Select source dependencies and then click on Yes button.



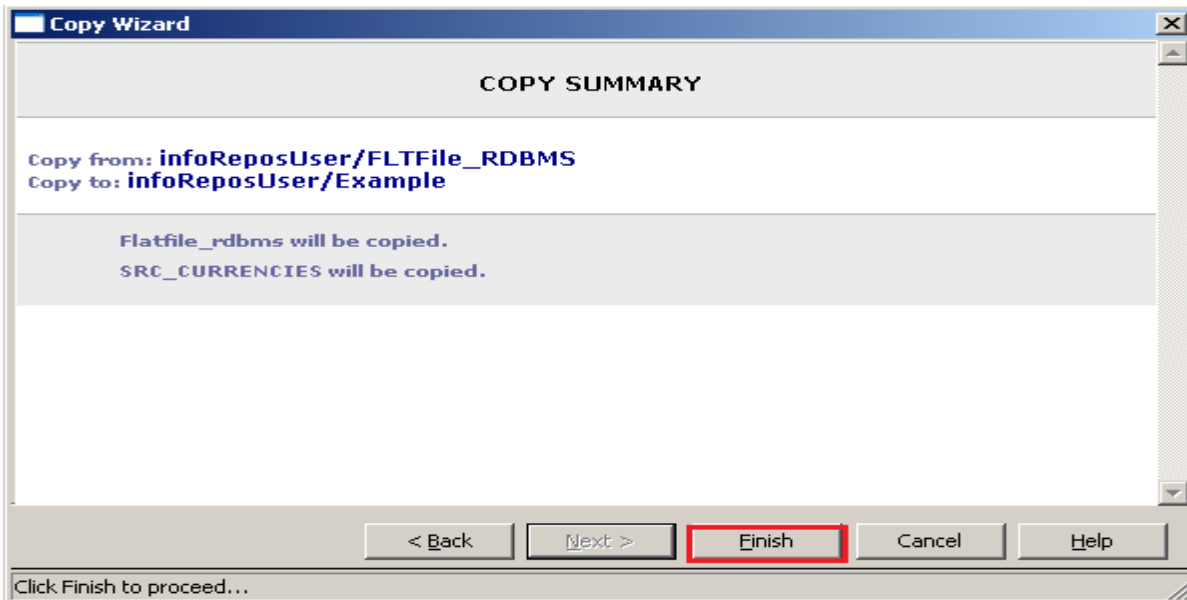
Step-5 Specify Resolution

Now, specify resolution and then click on Next button.



Step-6 Check Copy Summary

Here, check copy summary.



Step-7 Check Target Location

And now check into target location.

