

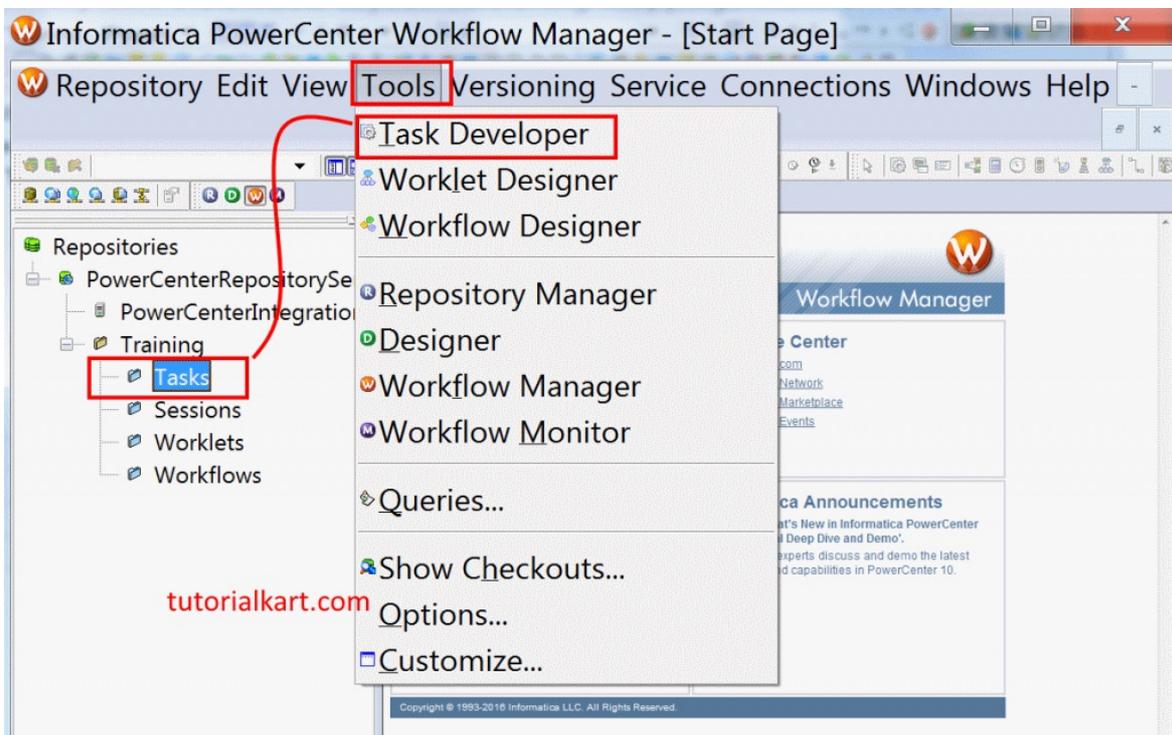
What is a Session in Informatica? Create Reader, Writer Connections

Session in Informatica is the building blocks of [Workflows](#). Every task has a different functionality, based on the requirement we use tasks in the workflow or Worklet. Session task can be created as reusable or non-reusable.

Session in Informatica is a set of Instructions that describe how and when to move data from sources to targets. Let us learn how to create a session in Informatica

How to create a Session in Informatica?

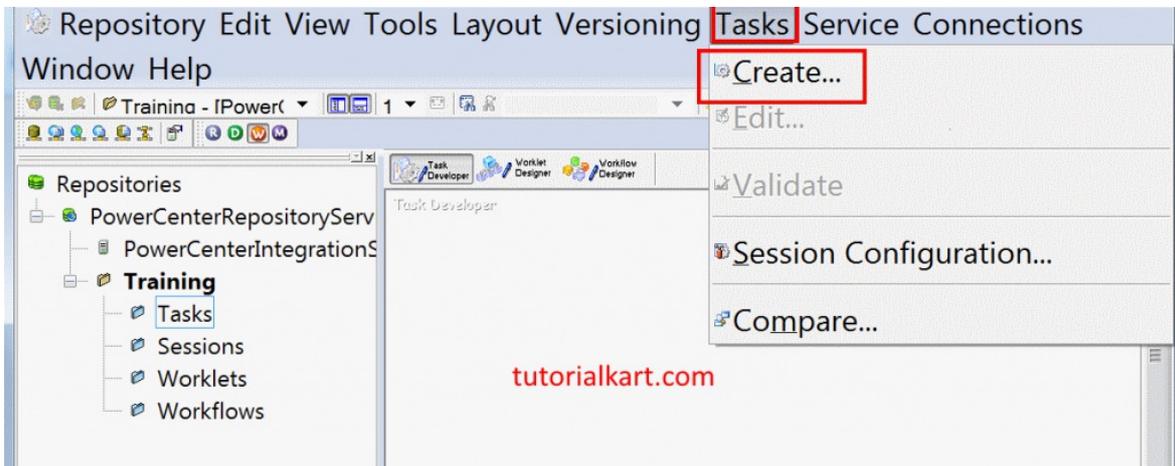
A session in Informatica can be created and maintained in the server manager, when a session is created we must enter details like session name, session schedule and informatica server to run the session. To create a session in Informatica, Open **PowerCenter workflow manager** and click on **tools |Task Developer**.



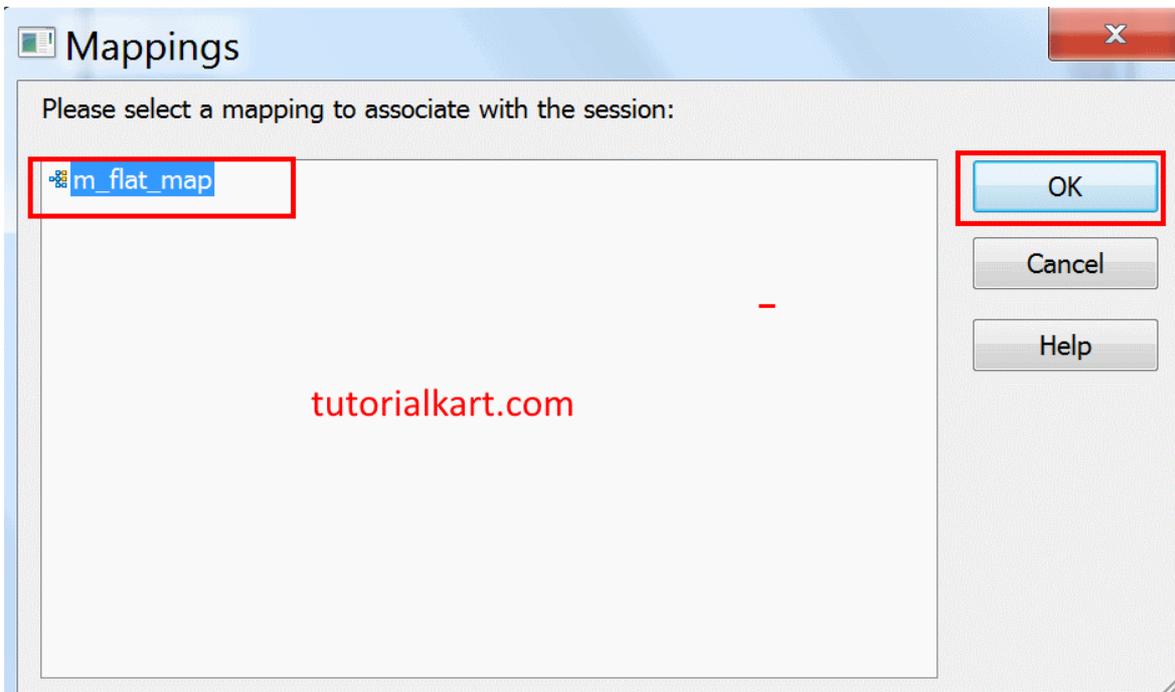
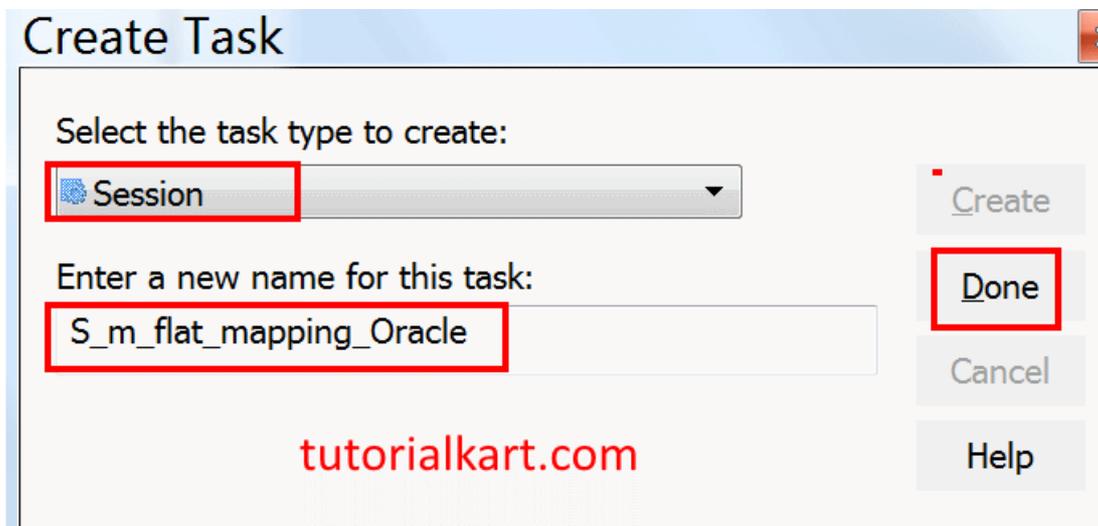
- Reusable tasks can be created using task developer.
- Non-reusable tasks are created using Workflow manager.

Click on Tasks menu and choose create link to create new Session.





To create task, select session from the drop down, enter a new name for the task as **S_m_flat_mapping_Oracle** and finally on **create** button.



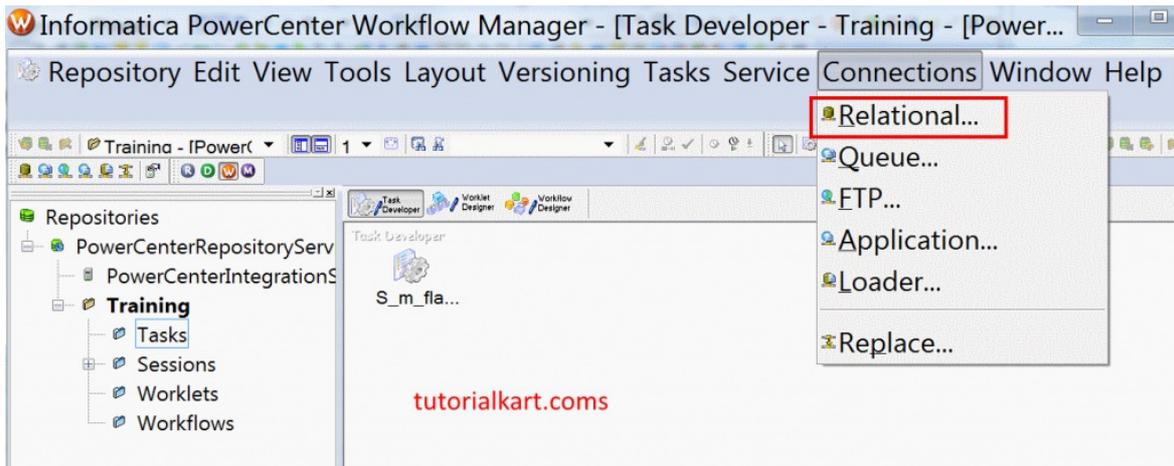
A new window will be opened and it displays list of Mappings that we created earlier, select **Mapping** and click on **OK** button as shown below.

- Finally click on Done button to finish.

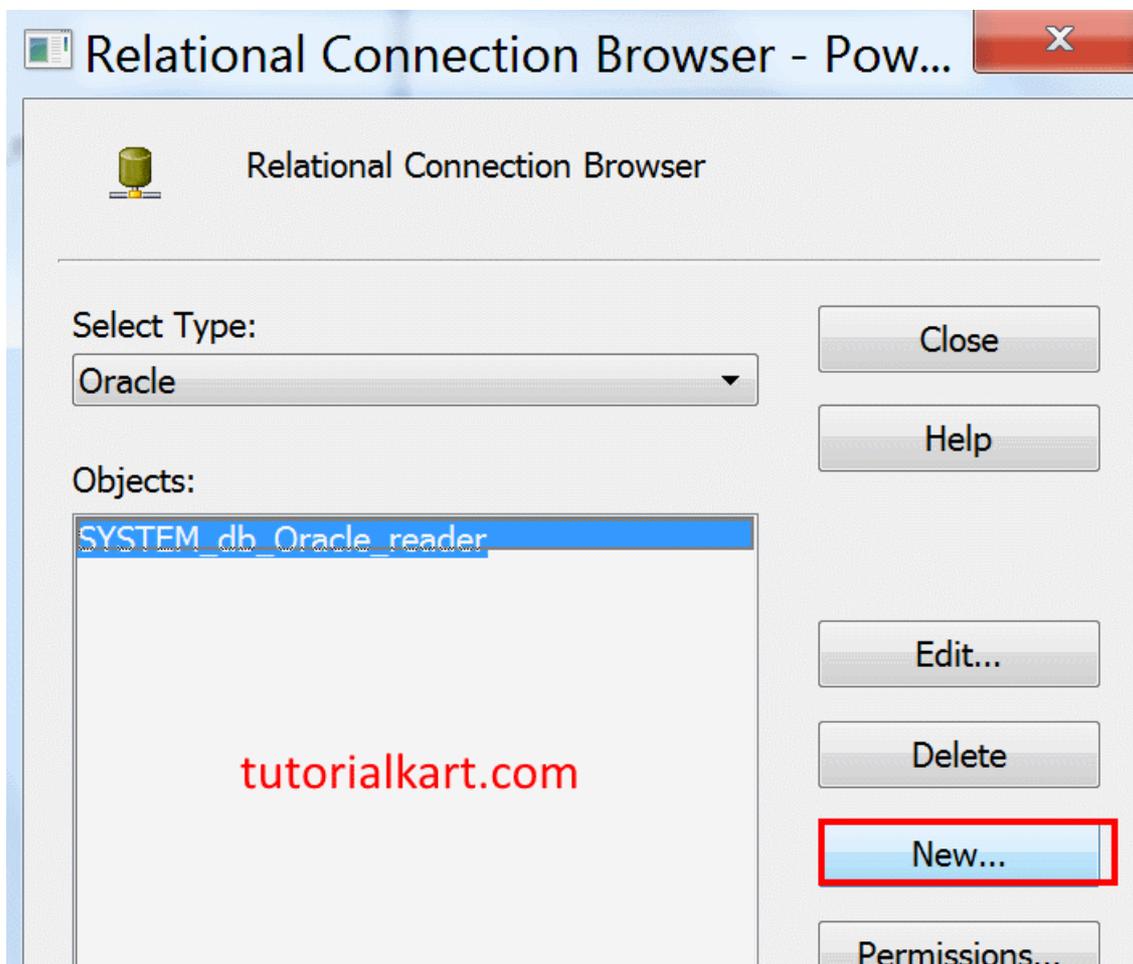
Creating Reader connection (Target).

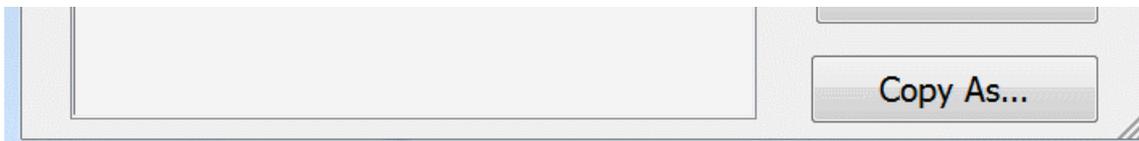
Mapping is only a structural representation of the source and Target requirements, the actual data movement happens with the properties that we define in the session task. Before executing the workflow we must configure Writer (Source) connection and reader (Target) connections.

Target load type should not be Bulk, if target contain Indexes. To handle constraint based error, we need to Set Stop on Error = 1. So that the session will not write any rejected data to bad file. Open Informatica PowerCenter Workflow Manager, navigate to **Connections | Relational**.



Now a new window will be opened to create witter connection for Target. Enter all the details as shown below.





- Enter name as *SYSTEM_db_Oracle_reader*.
- Username as *SYSTEM*.
- Enter Password.
- Connection string as *ORCL*.

Connection Object Definition

Relational Connection Editor

Name:

Type:

Use Kerberos Authentication

User Name:

Use Parameter In Password

Password:

Connect String:

Code Page:

Attributes:

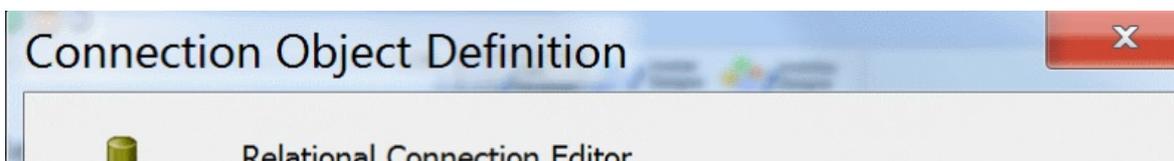
Attribute	Value
Connection Environment ...	
Transaction Environment...	
Enable Parallel Mode	<input checked="" type="checkbox"/>
Connection Retrv Period	0

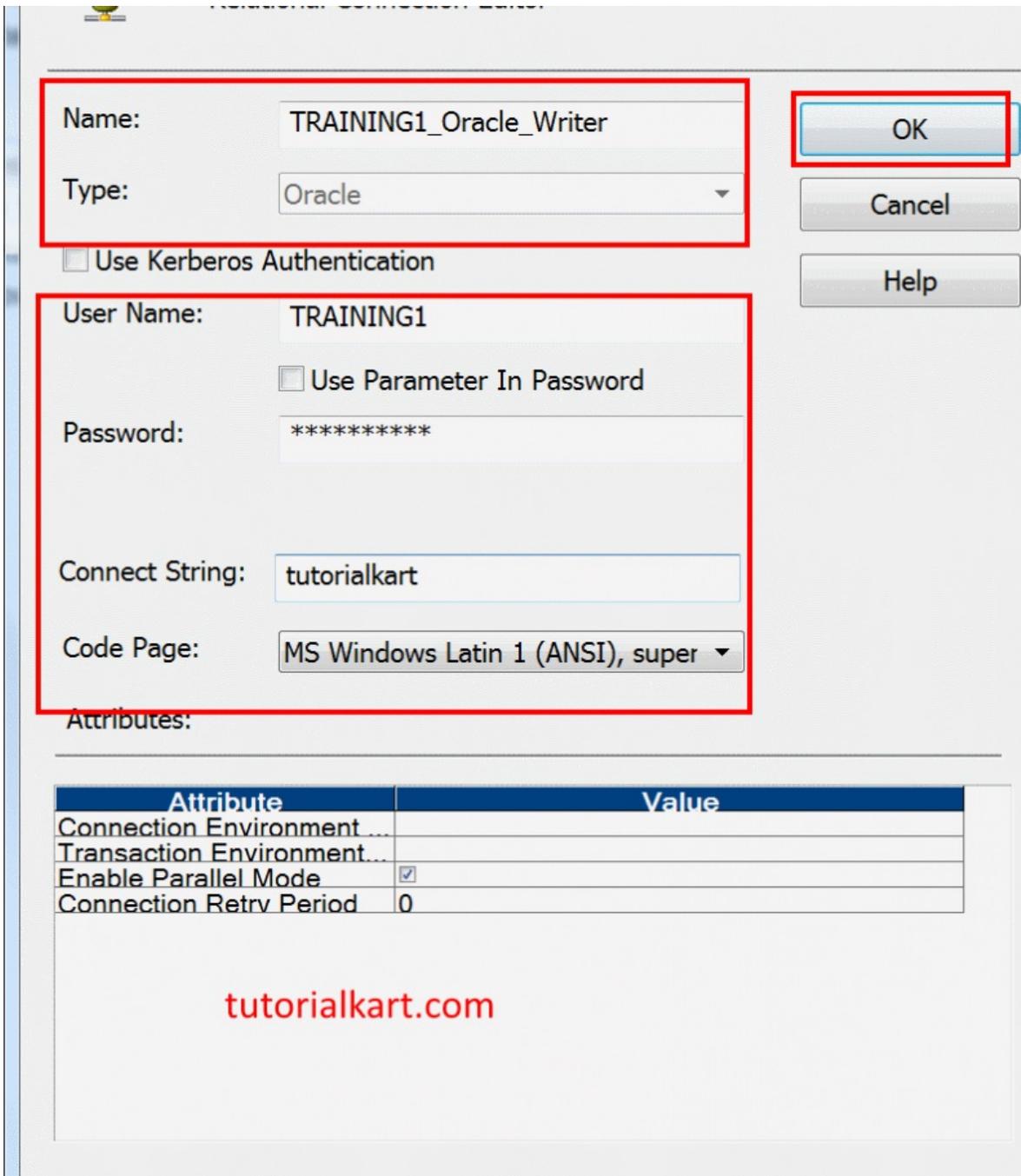
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- Finally click on Save button.

Creating Writer connection

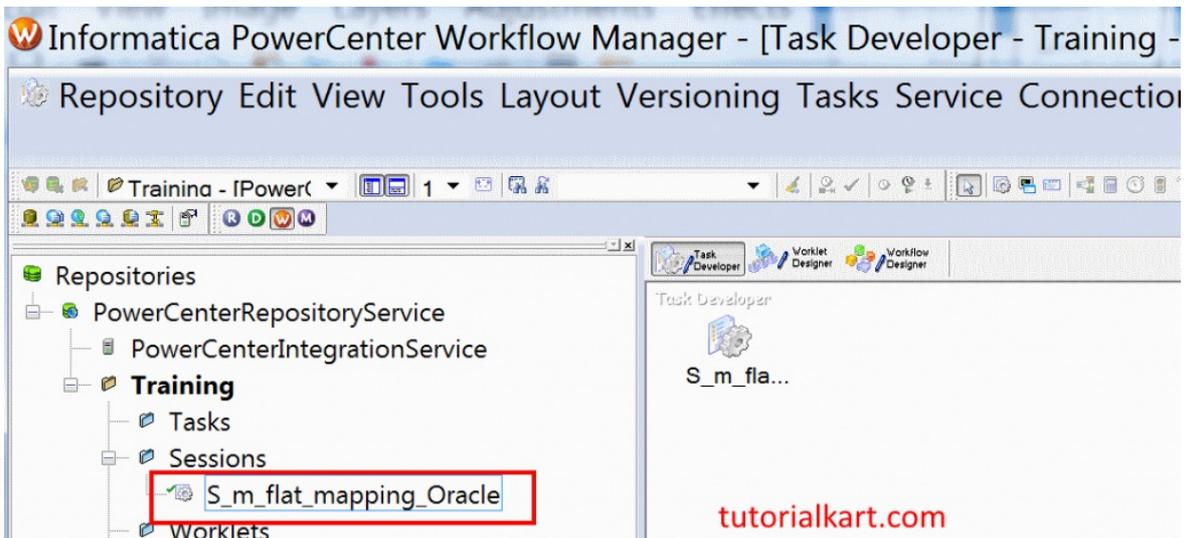
To create writer connection, select the type Oracle and click on new button as shown above. Now enter name, type, username and password in connection Object definition page.



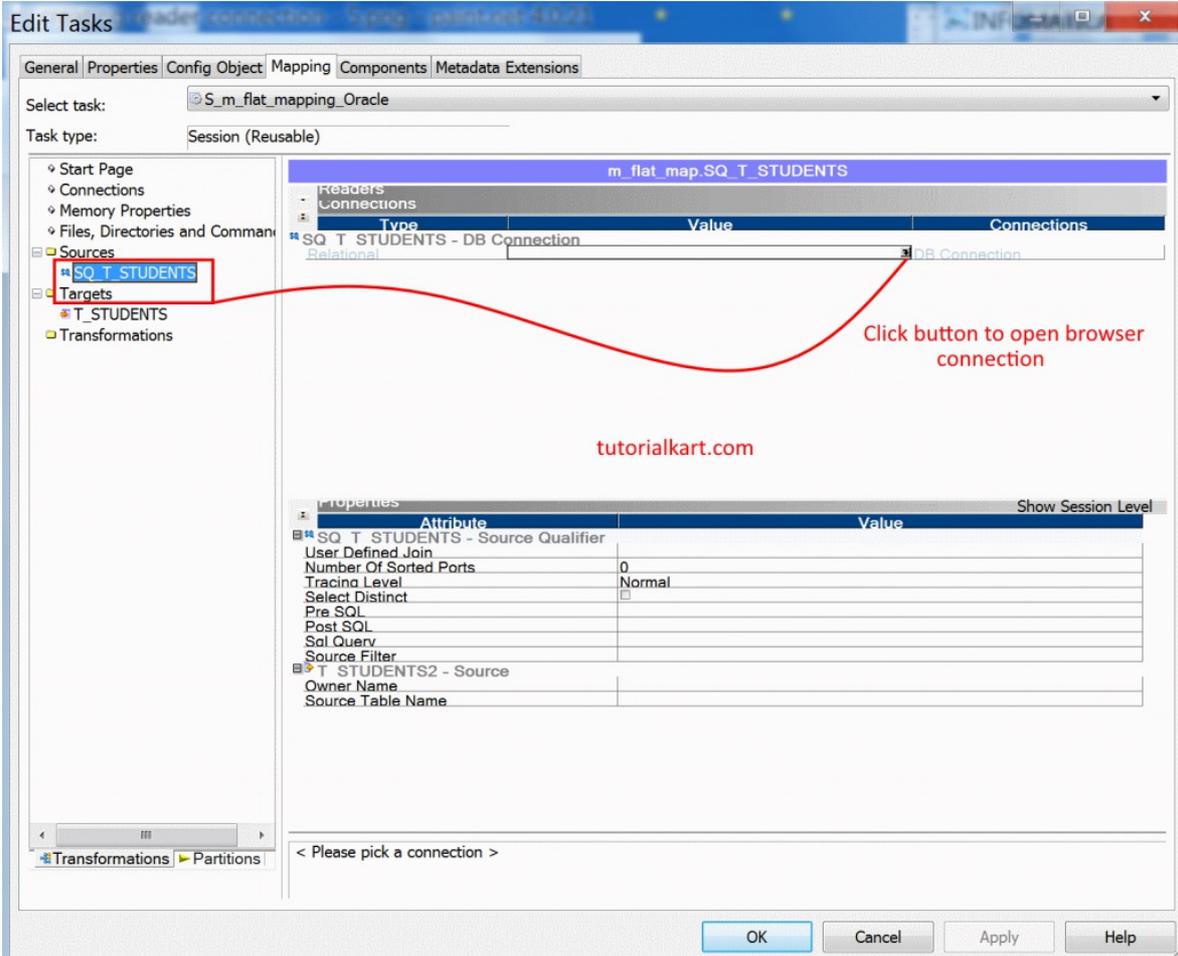


- Finally click on OK button.

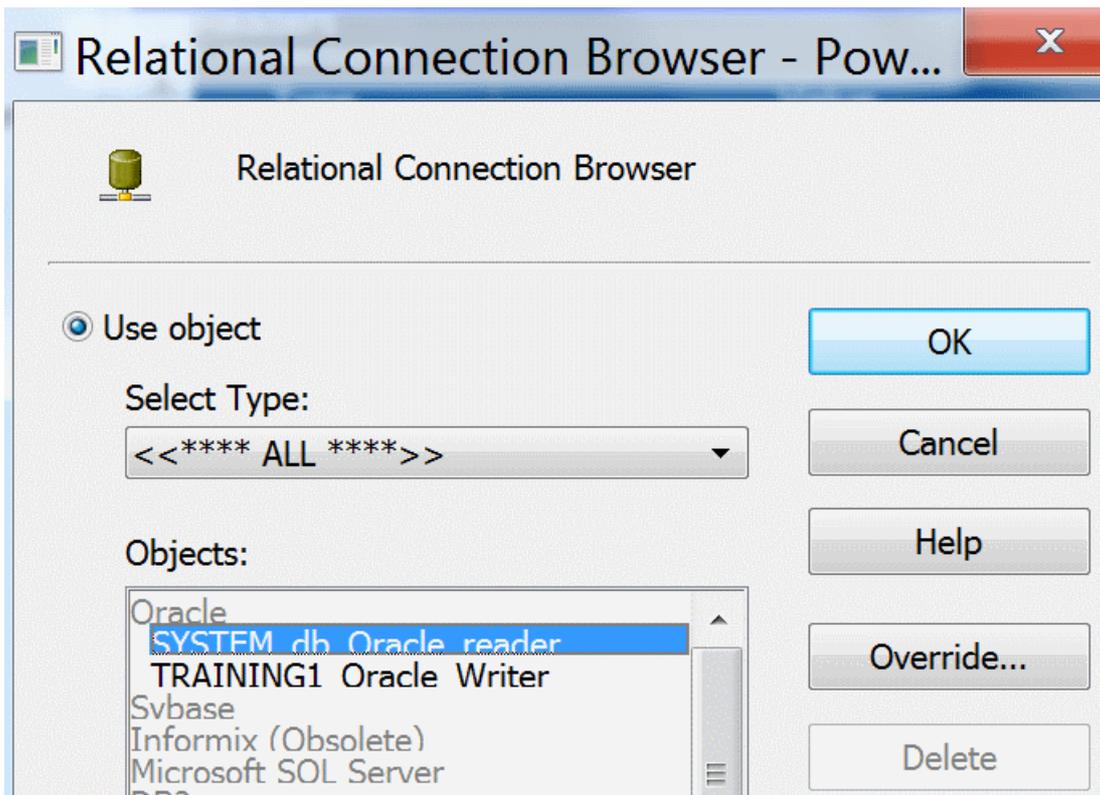
Now double click on the Session, select mapping tab as shown below.

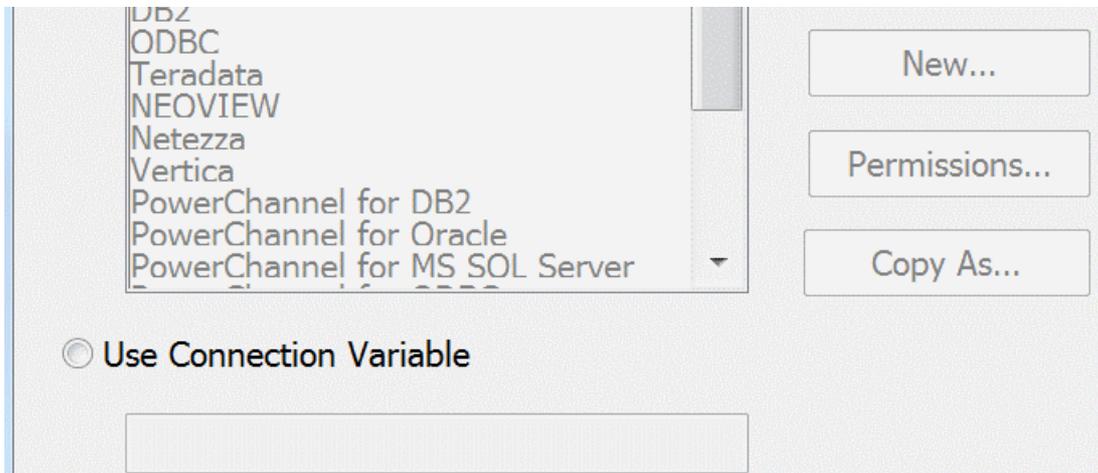


From the left window, select source and from connection (right window), click on [icon name="arrow-circle-down" class="" unprefix_class=""] icon to open connection browser as shown below.

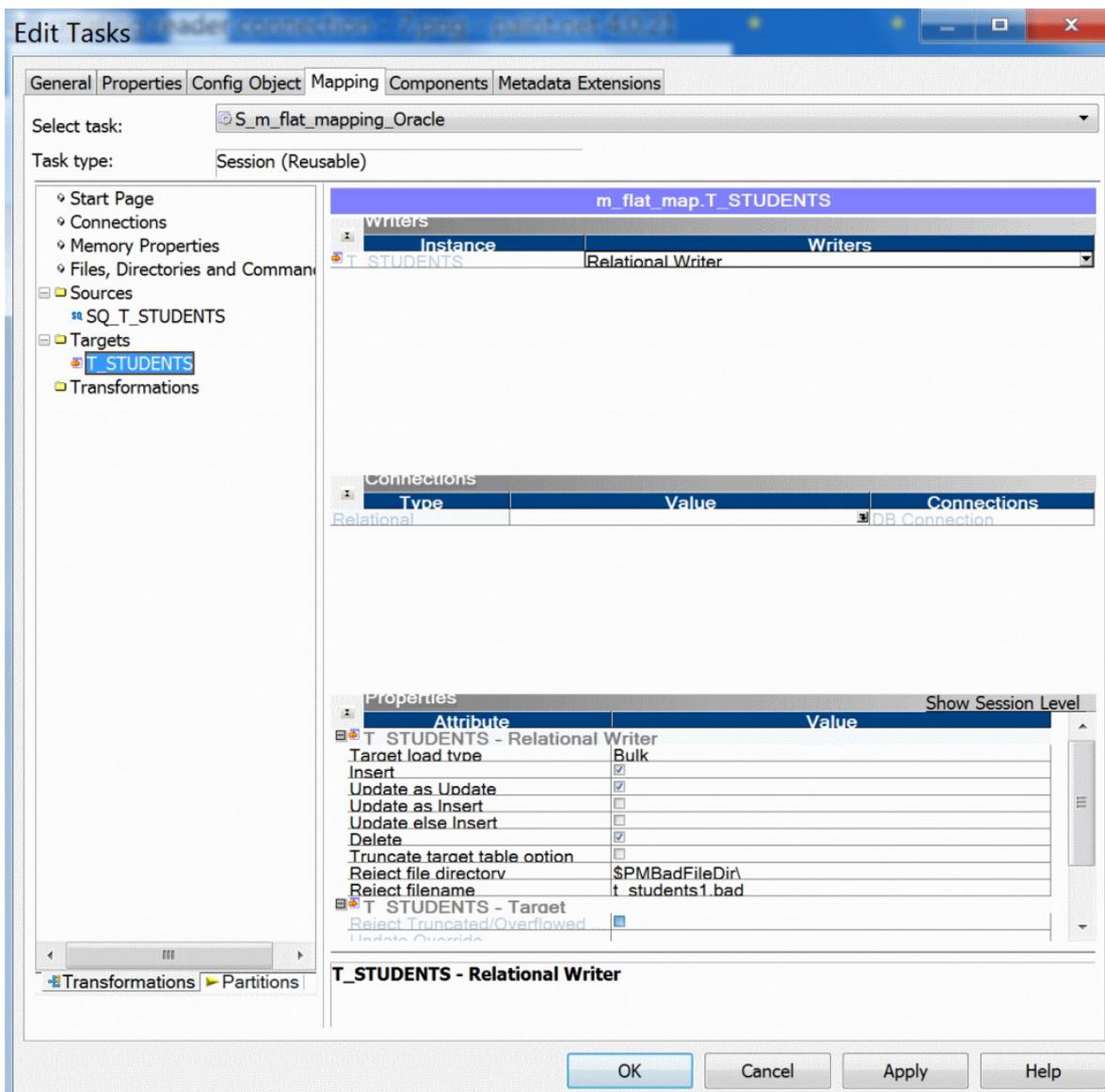


- Select the connection SYSTEM db Oracle reader and click on OK button.



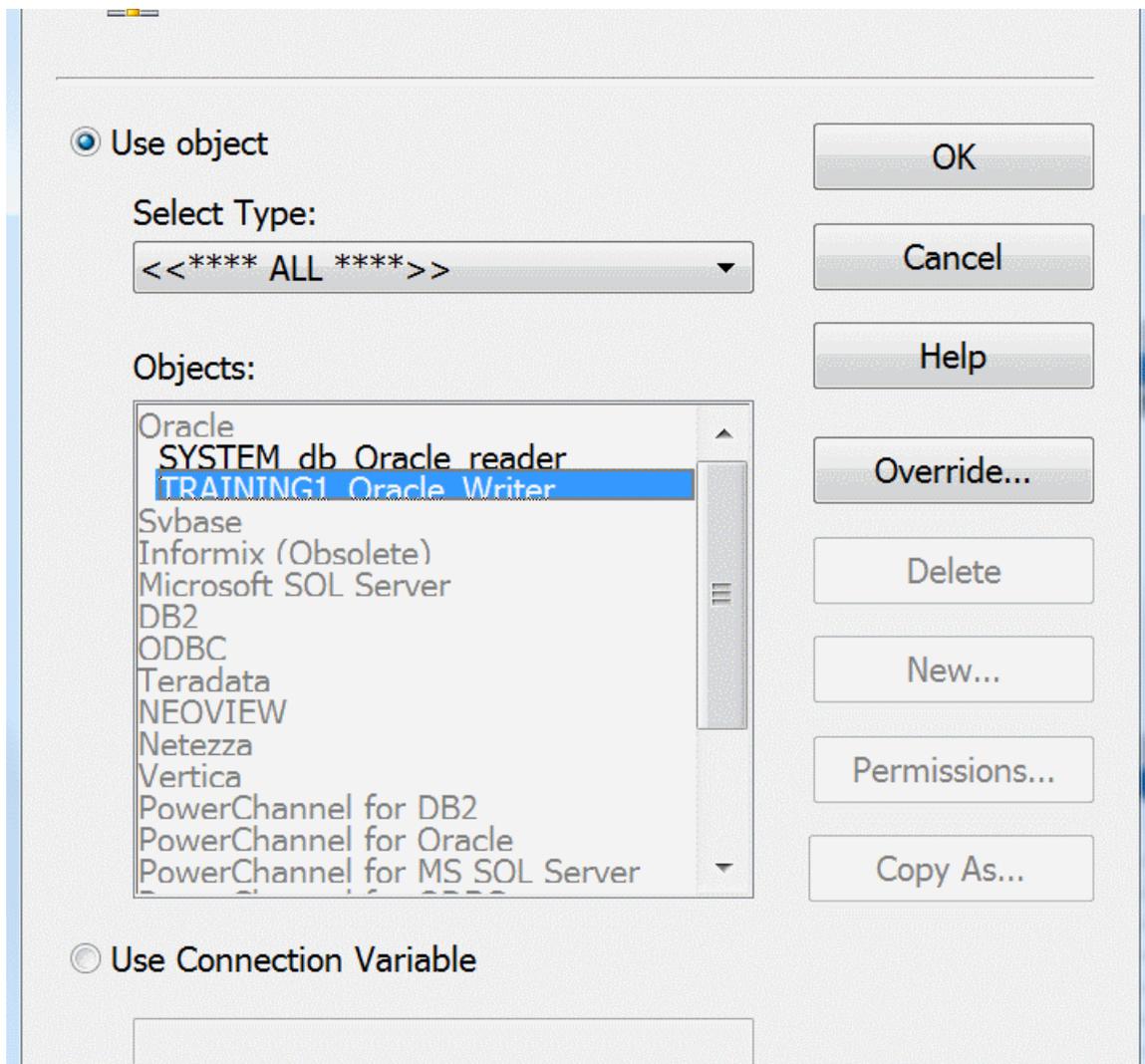


Now from left window select Target and select [icon name="arrow-circle-down" class="" unprefix_class=""] to open connection browser.



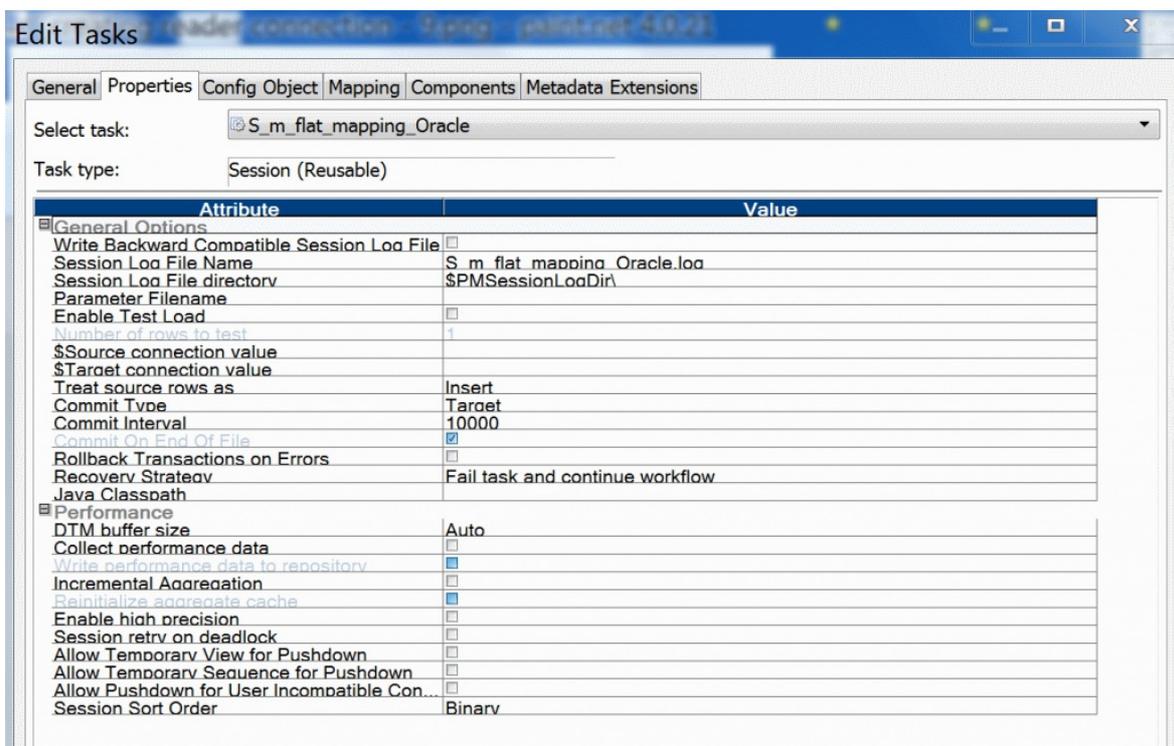
- Select the connection TRAINING1 Oracle writer and click on OK button.





From properties, set target load type as **'Normal'** and click on Apply. So why we changing Target load type from Bulk to normal ? There is a lot difference between normal mode and bulk mode.

Normal mode means record by record loading and bulk mode means massive data packets loading.





Click OK and finally Save the settings from the Repository.

Informatica Introduction

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- ◆ [Informatica - Load Balancing](#)
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- ◆ [Setting up Target Database in Informatica](#)

◆ Learn and Create Workflows in Informatica

◆ Learn and Create Mapping in Informatica

⇒ **Learn and Create a session in Informatica**

◆ Informatica PowerCenter Repository Backup / Restore steps

Informatica Transformations

◆ Introduction to Informatica transformations

◆ Aggregator Transformation

◆ Filter Transformation

◆ Lookup Transformation

◆ Rank Transformation

◆ Router Transformation

◆ Update Strategy Transformation

◆ Joiner Transformation

◆ Expression Transformation

◆ Source Qualifier Transformation

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◆ Normalizer Transformation

◆ SQL Transformation

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◆ Stored Transformation

◆ Transaction Control Transformation

◆ XML Generator Transformation

◆ XML Parser Transformation