

Tutorial 7: Masking data

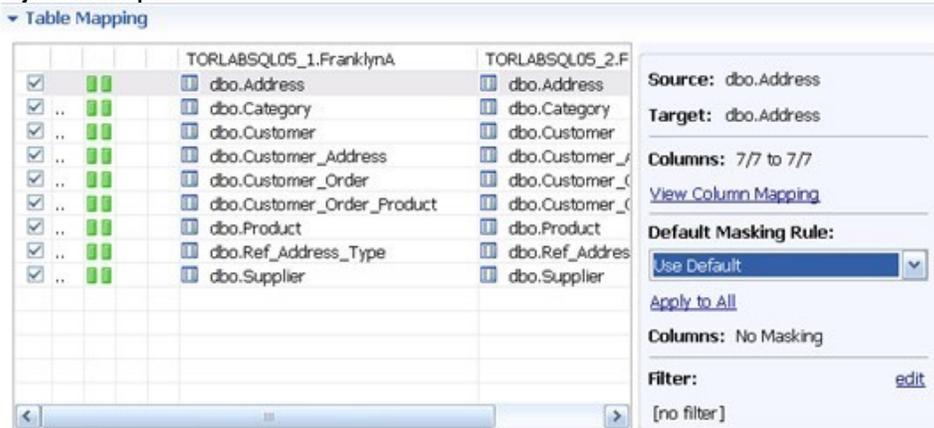


Before working with tutorials, identify two data sources that you can use for practice. These data sources should not be live or mission-critical, and they should be similar in schema and data.

Data masking is a way of securing sensitive data during the development or testing phases of a database development project. It is often performed as a security or compliance measure that protects important information. By masking valid production data, you can provide a copy of the data that is “scrambled” but still represents your production environment.

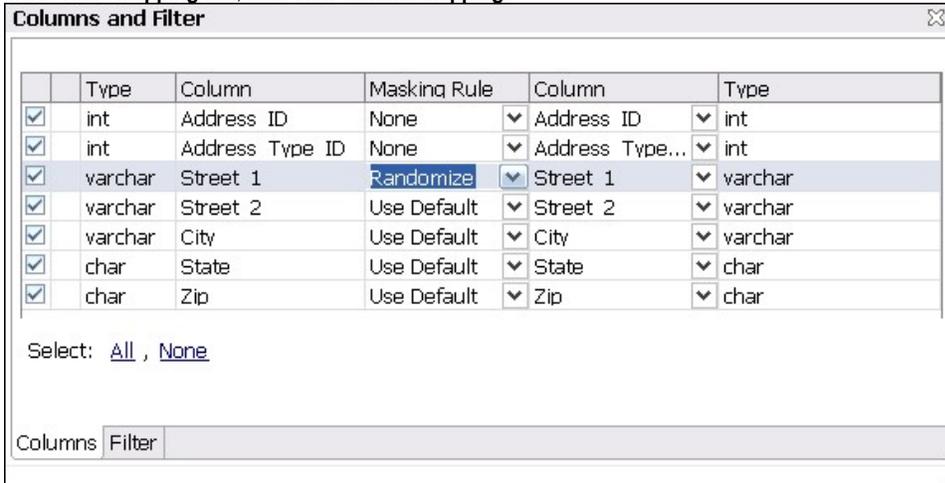
To mask data

1. Select **File > New > Data Comparison Job** and if prompted, select a project.
2. Provide a name of the job in the **Name** field and then drag and drop datasources from the **Data Source Explorer** to the **Data Comparison Source** and **Data Comparison Target** boxes.
3. In the Options tab, ensure that **Automatically Synchronize** is selected and read the description shown for that option.
4. In the Mapping tab, select a row corresponding to a matching database pair in the **Database Mapping** box, and then select **Yes retrieve the objects in this pair**.



Select: [All](#) , [None](#)

5. In the **Table Mapping** box, click **View Column Mapping**.



Select: [All](#) , [None](#)

6. Click on the **Data Masking Rule** option for a column and select one of the following:
 - **Use Default.** The default masking rule as set in the Database Mapping box.
 - **None.** No masking is applied.
 - **Randomize.** Replaces characters with other random characters.
 - **Shuffle.** Reorders the values in different rows; for example, in a **First Name** column, Bob, Ted, and Alice can change to Alice, Bob, and Ted.
7. Close the window.
8. Continue to experiment with selection and settings until you are comfortable with masking options.
9. Click **File > Save** to save the job.

10. Click the **Run Job** icon.

The screenshot shows the 'Database Results' tab in the software. It features a navigation bar with tabs: Overview, Options, Mapping, Notification, History, Results, and Database Results. The 'Results Overview - FranklynA' section contains a comparison table:

Source: Fran...	Target: Fra...	Matched	Only in TORL...	Only in TORL...	Different
dbo.Category	dbo.Category	16	0	0	0
dbo.Customer	dbo.Customer	0	0	0	348

Below the table are buttons for 'View Diff Report' and 'Export Diff Results...'. The 'Selected Table' section displays two side-by-side tables for 'TORLABSQL05_1.FranklynA.dbo.Customer' and 'TORLABSQL05_2.FranklynA.dbo.Customer'.

Customer ID	First Name	Last Name
734	James	Battiste
735	Samual	Philpott
736	Noel	Arra
737	Gaston	Amesqui

Customer ID	First Name	Last Name
734	Gxibk	Yxssfmsl
735	Jaciab	Fvwzfiac
736	Noel	Eaee
737	Okeybx	Oaseqfw

The Database Results tab shows the masked data.