

Tutorial 7: Masking data

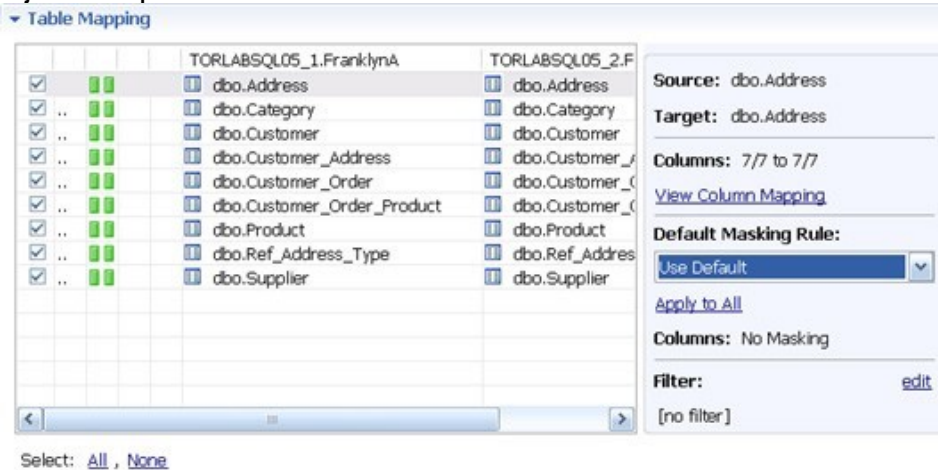


Before working with tutorials, identify two data sources that you can use for practice. These data sources should not be live or mission-critical, and they should be similar in schema and data.

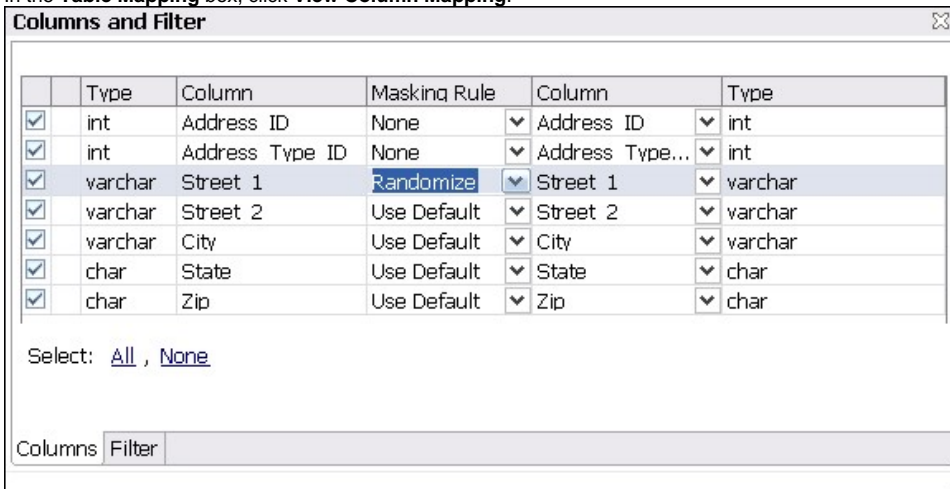
Data masking is a way of securing sensitive data during the development or testing phases of a database development project. It is often performed as a security or compliance measure that protects important information. By masking valid production data, you can provide a copy of the data that is “scrambled”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



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



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.

MyDataMaskingJob *Untitled-Data-Comparison-Job-1

Overview Options Mapping Notification History Results Database Results

[Close results](#)

▼ Results Overview - FranklynA

| 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 | |

[View Diff Report](#) [Export Diff Results...](#)

▼ Selected Table

TORLABSQL05_1.FranklynA.dbo.Customer

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

TORLABSQL05_2.FranklynA.dbo.Customer

| ... | Customer ID | First Name | Last Name |
|-----|-------------|------------|-----------|
| | 734 | Gxibk | Yxssfmst |
| | 735 | Jaciab | Fvwzfiac |
| | 736 | Noel | Eaee |
| | 737 | Okeybx | Oaseqfw |

Overview Options Mapping Notification History Results Database Results

The Database Results tab shows the masked data.