



Data Replication

Setup Notes for Replications to Teradata

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Document History

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Syniti Data Replication

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Syniti Data Replication

Syniti Data Replication allows you to replicate data from relational database tables to **Teradata** in the following ways:

- **Refresh (Snapshot replication)**

A one-time complete replication from any major relational database source to **Teradata** as a target, according to replication settings and scripts. You can control the timing of the replication, identify the columns to be replicated and add scripts to transform data during replication. Source databases include Oracle, Microsoft SQL Server, IBM Db2 for i, IBM Db2 LUW, Sybase, Informix, MySQL.

Continuous refresh

A regularly scheduled refresh replication as described above. The schedule is defined in the replication settings.

- **One-way mirroring (Incremental Replication)**

A continuous update of replicated tables based on changes to the source database that have been recorded in the database server log. Typically, this involves an initial refresh operation, as described above, to set up the target table. Then you can define the replication settings to check the transaction log on the source database at regular intervals. Any changes found in the log are applied to data on the **Teradata** platform.

For complete details on the setup process, check the *Syniti Data Replication User Guide* available from the Management Center **Help** menu or the *Syniti Data Replication Setup Guide*, available for download in the [Help Center](#).

Connection Type

Teradata .NET Provider
Teradata.Client.Provider.dll

Download at: <https://downloads.teradata.com/download/connectivity/net-data-provider-for-teradata>

Assembly: Teradata.Client.Provider

Sample path: Program C:\Program Files\Teradata\Client\16.20\bin\Teradata.Client.Provider.dll

Add Target Connection Wizard

The following field(s) require specific information for Teradata.

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Select Provider Screen

The screenshot shows the 'Add Target Connection Wizard' window for Syniti Data Replication. The window title is 'Add Target Connection Wizard' and it has a close button (X) in the top right corner. The main title bar is blue and contains the text 'Syniti Data Replication'. On the left side, there is a vertical navigation pane with the following items: 'Select provider' (highlighted), 'Set connection string', 'Select tables', 'Actions', and 'Summary'. The main content area has a light blue header with the text 'Select the database target where to replicate data and indicate which provider to use.' Below this header, there are three sections: 'Target name' with a text box containing 'TeradataTgt'; 'Data Provider(s)' with three dropdown menus: 'Database' (set to 'Teradata'), 'Provider' (set to 'Teradata .NET Data Provider'), and 'Assembly' (empty); and a 'Browse' button with a folder icon. At the bottom of the window, there are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

Database

Choose Teradata from the drop-down list.

Provider

The default value is Teradata .NET Data Provider.

Assembly

The Assembly field does not typically need a value because the Teradata .NET Provider installation sets up the registry path for you. However, if Syniti DR cannot locate the Teradata .NET Provider in the following screens of the Target Connection wizard, type the path to Teradata.Client.Provider.dll in this field.

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Set Connection String Screen

Specify the connection parameters for the target connection.

Connection properties	
Required	
Data Source	20.200.35.20
User ID	DBADM
Password	*****
Optional	
Database	
Connection Timeout	20
Port Number	1025
Connection Pooling	True
Connection Pooling Timeout	60
Max Pool Size	100

Password
User password.

Edit Test

< Back Next > Cancel Help

Add the Teradata server name or IP Address in addition to a user ID and password.

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