Syniti

Data Replication

Setup Notes for Replications to Vertica Analytics Platform

Version 9.8.1

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Syniti

Syniti Data Replication

Document History

Version	Author	Date	Reviewer	Date	Comments
1	JHLorenzin	7/20/15	ALaspertini	7/20/15	
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3	JHLorenzin	11/30/21	AMillalen		

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Syniti Data Replication

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

- **Refresh (Snapshot replication)**
  A one-time complete replication from any major relational database source to **Vertica** 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 **Vertica** 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

Vertica .NET Data Provider

Download at:

https://www.vertica.com/download/vertica/client-drivers/

Assembly: Vertica.Data
Sample path: C:\Program Files\Vertica Systems\ADO.NET\Vertica.Data.dll

Add Target Connection Wizard

The following field(s) require specific information for Vertica Analytics Platform.

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Select Provider Screen

Database

Choose Vertica from the drop-down list.

Provider

The default value is Vertica .NET Data Provider.

Assembly

Based on your installation of the .NET Provider, browse to find the path to Vertica.Data.dll.

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Set Connection String Screen

Add the host name or IP address of the Vertica system, as well as a user ID and password.

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