# Syniti

# Data Replication

Setup Notes for Replications to Vertica Analytics Platform Version 9.8.1

Software Release Date: 11/30/21



https://support.hitsw.com

## **Document History**

Version	Author	Date	Reviewer	Date	Comments
1	JHLorenzin	7/20/15	ALaspertini	7/20/15	
2	JHLorenzin	10/2/19	ALaspertini		
3	JHLorenzin	11/30/21	AMillalen		

## Table of Contents

Connection Type	1
Add Target Connection Wizard	
Select Provider Screen	
Set Connection String Screen	

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 <u>Help</u> <u>Center</u>.

## **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.

Copyright© 2021 by BackOffice Associates, LLC d/b/a Syniti and/or affiliates. All Rights Reserved. This document contains confidential and proprietary information and reproduction is prohibited unless authorized by Syniti. Names appearing within the product manuals may be trademarks of their respective owners.

## Select Provider Screen

Add Target Connecti	on Wizard		
		Syniti Data Replication	
Select provider	Select the database	arget where to replicate data and indicate which provider to use.	
et connection tring	Target name		
elect tables	Name:		
ctions			
ummary	Data Provider(s)		
	Database:	Vertica V	
	Provider:	Vertica .NET Data Provider	
	Assembly:		
	Prostenioy.	Browse	
Contraction of the			
CURE-IN-			
			-

#### 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.

Copyright© 2021 by BackOffice Associates, LLC d/b/a Syniti and/or affiliates. All Rights Reserved. This document contains confidential and proprietary information and reproduction is prohibited unless authorized by Syniti. Names appearing within the product manuals may be trademarks of their respective owners.

### Set Connection String Screen

	S	Syniti Data Replica	ition
Select provider	Specify the connection parameters	for the target connection.	
Set connection string	Connection properties		
Select tables	✓ Required		^
ctions	Host		
cuons	User		
ummary	Password		
	Database		
	✓ Optional		
	Port	5433	
	IsolationLevel	Unspecified	
	Label		
	DirectBatchInsert	False	
	ResultBufferSize	8192	~
and the second	Host The hostname or IP address of the	server on which Vertica is running.	••• Test

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

Last updated on 11/30/21

Copyright© 2021 by BackOffice Associates, LLC d/b/a Syniti and/or affiliates. All Rights Reserved. This document contains confidential and proprietary information and reproduction is prohibited unless authorized by Syniti. Names appearing within the product manuals may be trademarks of their respective owners.