Syniti Replicate

Setup Notes for Replicating with IBM® PureData

Version 10.1

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Syniti Replicate

These notes provide essential information for setting up replications using **IBM PureData**.

This guide describes the setup process using the Log Reader option for one-way mirroring and synchronization when replicating data from an IBM PureData database.

For complete details on the setup process, check the *Syniti Replicate User Guide* available from the Management Center **Help** menu or the *Syniti Replicate Setup Guide*, available for download in the Help Center.

Connection Type

IBM PureData ODBC Driver

Download from:

http://www-933.ibm.com/support/fixcentral/

Specify PureData System for Analytics, then IBM Netezza NPS Software and Clients

IBM PureData User Permissions

When setting up replications that use IBM PureData as a source database, you need to be sure that the user ID used for making connections to the database has sufficient privileges to complete all the operations required for Syniti Replicate to perform a replication.

Before using the Syniti Replicate Management Center to create a source connection to IBM PureData (Netezza), make sure that the following permissions are set on the IBM PureData server.

1. USER ID FOR SDRUSER
    create user sdruser **with** password `'your_password'`

2. AUTHORITY TO CONNECT TO THE DATABASE-
    GRANT connect on <your_database> to sdruser

3. AUTHORITY TO SELECT A TABLE
    GRANT **SELECT** on <your_database>.<table_name> to sdruser

4. AUTHORITY TO LIST THE TABLE FROM A CONNECTION NODE
    GRANT **SELECT** on <your_database>._V_TABLE to sdruser

5. AUTHORITY TO DETECT A GROOM COMMAND
    GRANT **SELECT** on <your_database>._v_groom_history to sdruser

6. AUTHORITY TO READ THE STATUS OF TRANSACTIONS
    GRANT **SELECT** on <your_database>._V_HOST_TX to sdruser

7. AUTHORITY TO CREATE A TABLE
    This is used to create an accessory table for Syniti Replicate during setup. Permissions are also required for INSERT and DELETE commands on that table.
    GRANT **CREATE** *TABLE* to sdruser

Syniti Replicate

Add Source Connection Wizard

Select Provider Screen

Database

Select **IBM PureData for Analytics/Netezza** from the drop-down list.
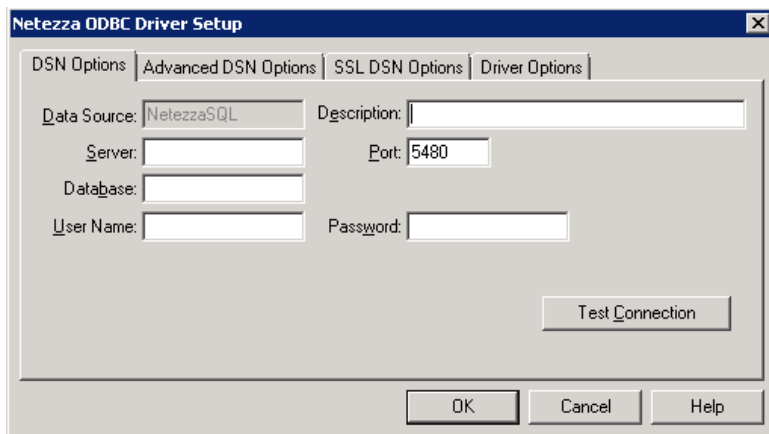
Provider

The value **Netezza SQL ODBC Driver** is provided automatically. You do not need to change this value.

Assembly

You do not need to provide a value for this field.

Set Connection String Screen

1. Click in the Connection String field to display ... in the Connection String value field.
2. Click ... to open the Netezza ODBC Driver Setup dialog.

3. Enter the connection information for your PureData data source (Server, Database, User Name and Password.) Check that the user ID you are planning to use has sufficient permissions to complete all operations for a mirroring replication in Syniti Replicate. The user ID should have permissions to connect, select tables, and create tables. The Syniti Replicate mirroring setup for IBM PureData systems requires the creation of a table on the PureData system. The DBMOTO_HELPER table contains one record and supports replication from an IBM PureData source. It should not impact performance on the PureData server in any way.

Enable Transactional Replication Wizard

For transactional replications (mirroring and synchronization), use the Enable Transactional Replication wizard after setting up a source connection. The following field(s) require specific information for PureData.

Log Type Screen

Select **Log Reader**.