



Configuring Teradata 17.00 with Qlik Replicate

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Initial Draft		20-Apr-2020	John Park
Review of Language		23-Apr-2020	John Park
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Summary

This document was created to supplement Qlik Replicate and Teradata 17.00 Release Documentation from Following Pages

- <https://docs.teradata.com/>
- <https://help.qlik.com/en-US/compose/Content/Compose/Home.htm>

Teradata is MPP Database that is supported by Qlik Replicate, Qlik Sense and QlikView

For This testing and guide we are using Qlik Replicate v6.5 and (TTU) Teradata Tools and Utilities 17.00

Part 1

Checklist - PreConfiguration

First, we need to set up have a Teradata Database Instance stood up and able to be reached. For this documentation we tested against installed versions of Teradata 17, 16.2 and 16.1.

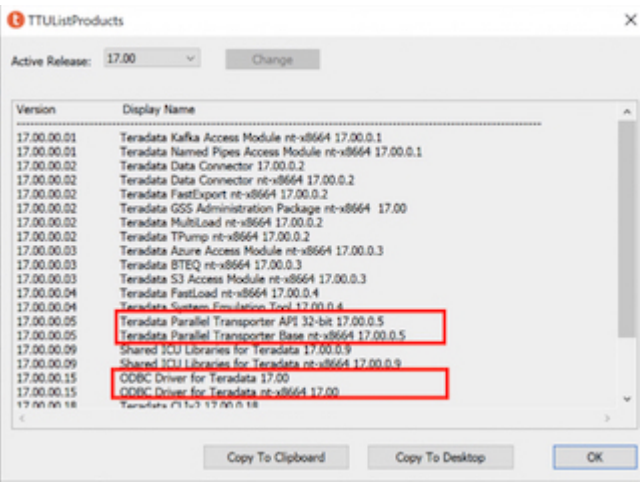
On your Windows or Linux box makes sure you have installed TTU and following components

- Teradata Parallel Transporter API
- Teradata Parallel Transporter Base
- ODBC Driver for Teradata

For Best Experience and to leverage Teradata to Full Extent we suggest installing BETQ, FastExport, TPump.

Figure A.1.0.

TTUList Screen Capture



Install Qlik Replicate and make sure Replicate Server and Replicate UI Services are started

In Windows Services the services names are Attunity Replicate Server and Attunity Replicate Server UI.(Qlik Acquired Attunity in 2019).

Add Replicate Bin Location to Environment Path(Windows).

In Windows the path of default installation is C:\Program Files\Attunity\Replicate\bin.

Add "C:\Program Files\Attunity\Replicate\bin" to Enviroment Path.

Figure A.1.1.

Environment Settings

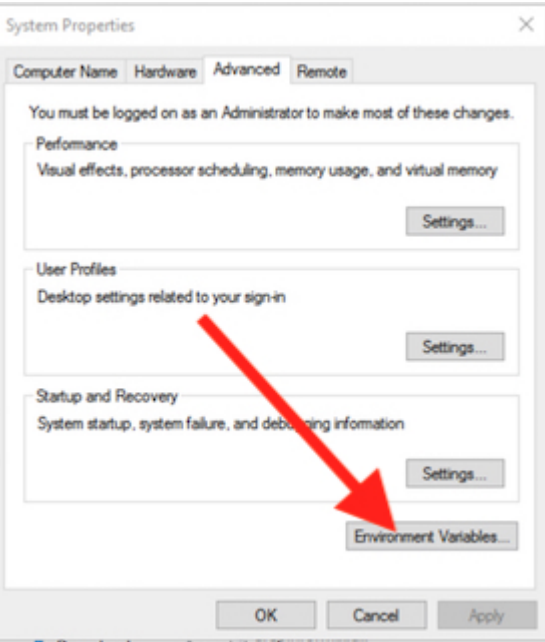


Figure A.1.2.

Environment Variables

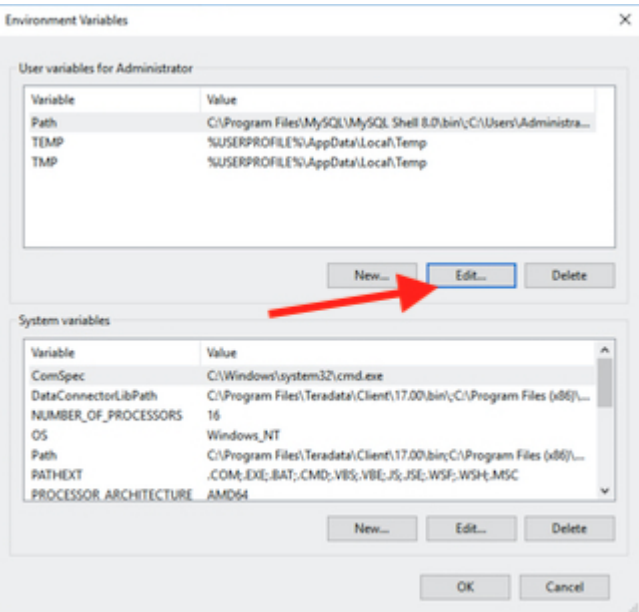
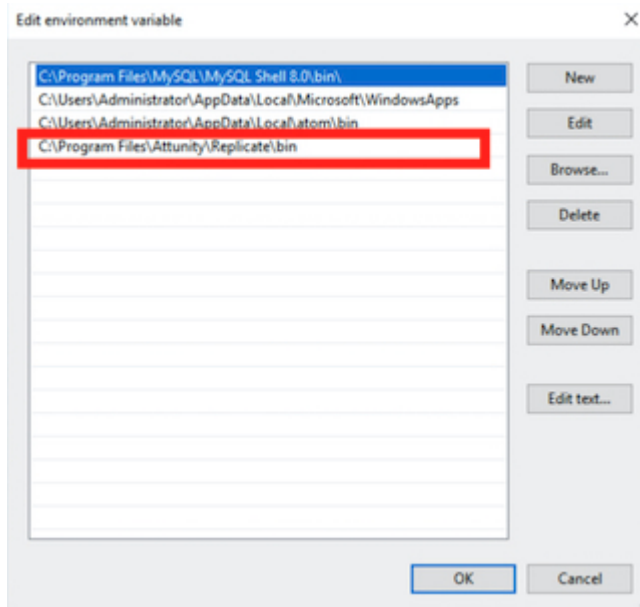


Figure A.1.3.

Environment Path



After the changes restart Qlik Replicate.

Part 2

Creating Source Connection

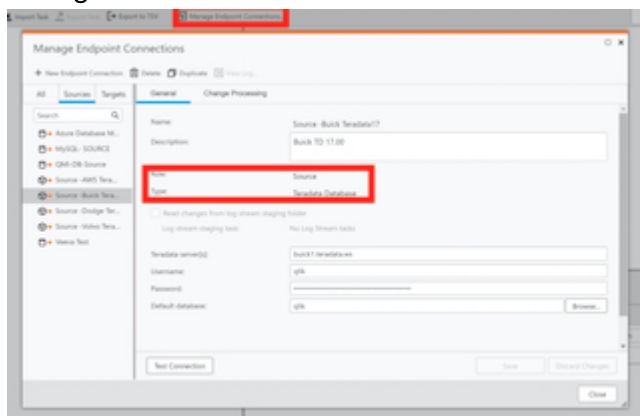
Now we need to create an Create Qlik Replicate Connection for Teradata with appropriate settings.

Configure Teradata as a source in Connection Manager for Attunity.

Click "Manage Endpoint Connections" and following window should popup.

Figure A.2.0.

Configure Source Connections



Select "Target" as role and "Teradata" as Type.

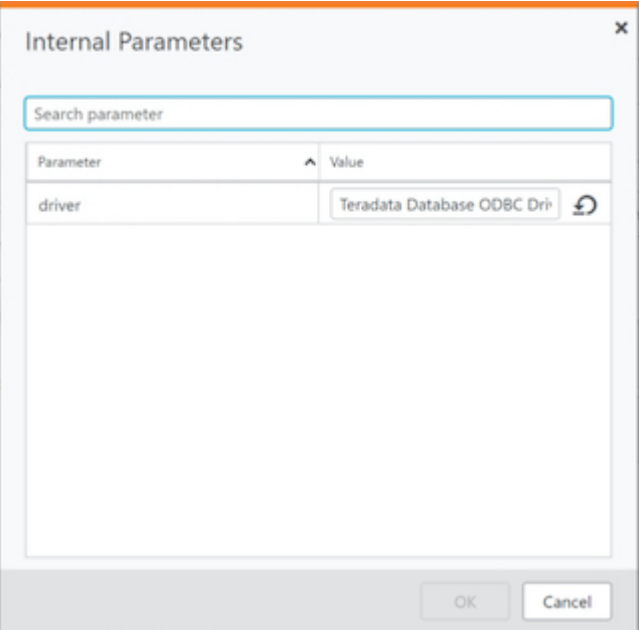
Enter Credentials for *Teradata Server*, *Username*, *Password*.

Do not Click "Browse" on "Default Database" now (We will Do that after Internal Parameters are set).

Click on **"Change Processing"** on Top Menu Bar and it should bring Internal Parameter Window

Click on **"Internal Parameters"** button.

Figure A.2.1.
Set Driver Setting



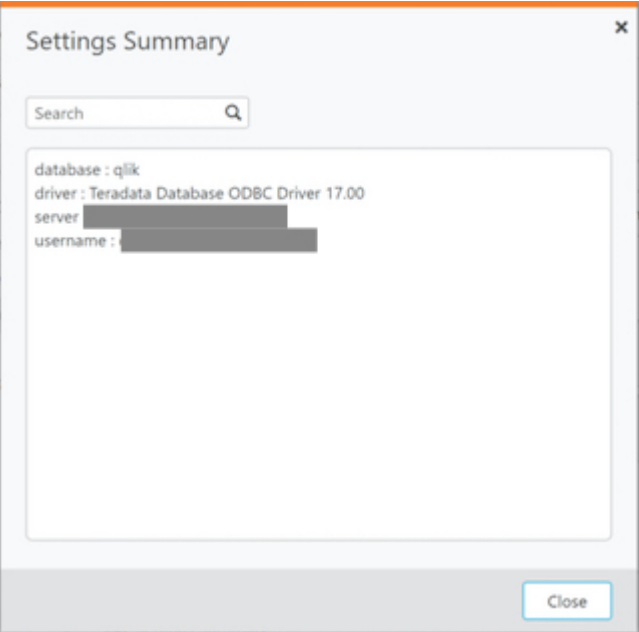
Add Internal Driver for Teradata as Override. If you type keyword "driver" in the prompt is should allow you to click on the variable and add a value.

Following Setting were used for testing.

- Parameter: driver
- Value: Teradata Database ODBC Driver 17.00

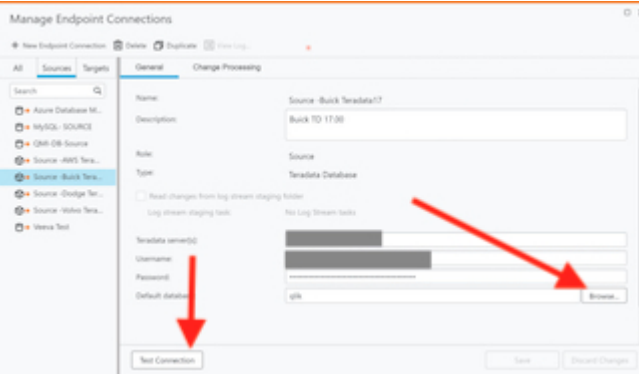
Click on **"Settings Summary"** button.

Figure A.2.2.
View Internal Parameters



Press "Browse" button select Default database for Replicate and "Test Connection" button and Verify Connectivity.

Figure A.2.3.
Confirm Source Connection



Part 3

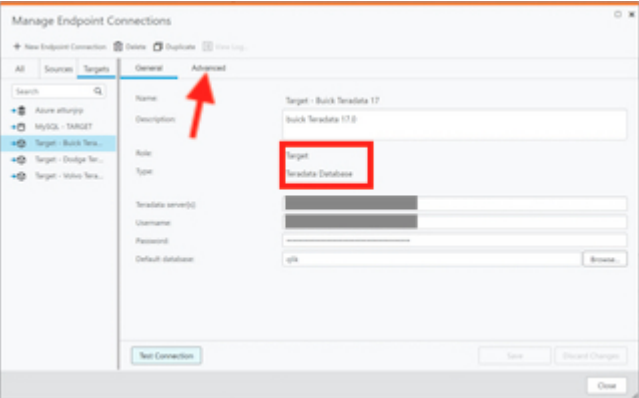
Creating Target Connection

Now we need to create an Create Qlik Replicate Connection for Teradata with appropriate settings.

Configure Teradata as a source in Connection Manager for Attunity.

Click "Manage Endpoint Connections" and following window should popup.

Figure A.3.0.
Confirm Target Connection



Select "Target" as role and "Teradata" as Type.

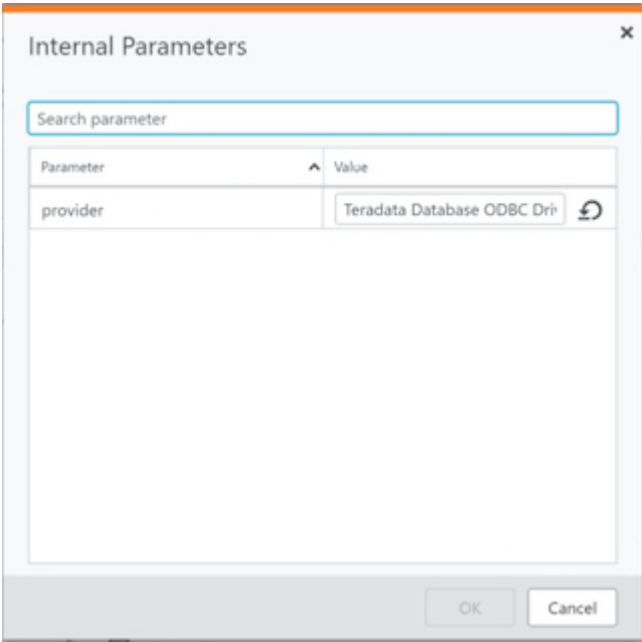
Enter Credentials for *Teradata Server, Username, Password*

Do not Click "Browse" on "Default Database" now (We will Do that after Internal Parameters are set).

Click on **"Advanced"** on Top Menu Bar and it should bring Internal Parameter Window

Add Internal Driver for Teradata as Override. If you type keyword "driver" in the prompt is should allow you to click on the variable and add a value.

Figure A.3.1.
Add Internal Parameters



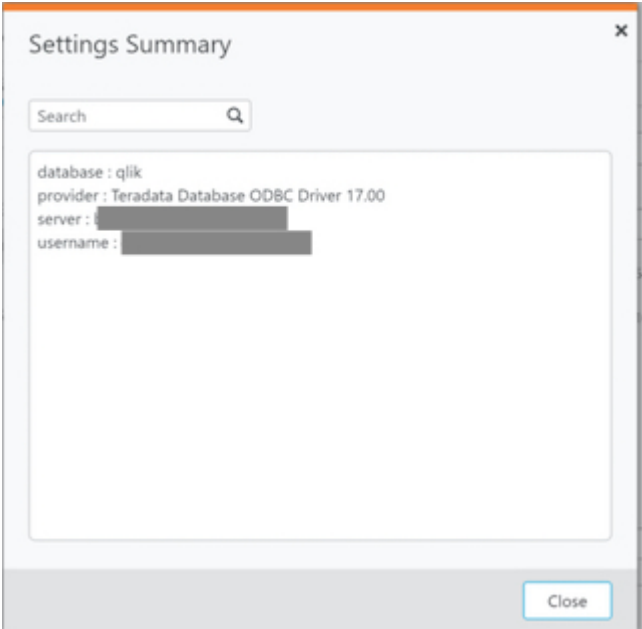
Following Setting were used for testing.

- Parameter: provider
- Value: Teradata Database ODBC Driver 17.00

View setting summary to make sure **"provider"** variable is used to override drivers setting for Target End Point.

Figure A.3.2.

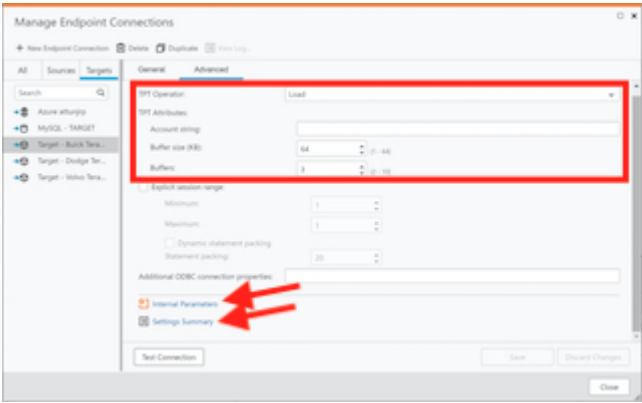
View Setting Summary



Qlik Replicate uses TPT Operator with Attribute which can be tweaked based on environment requirements.

Figure A.3.3.

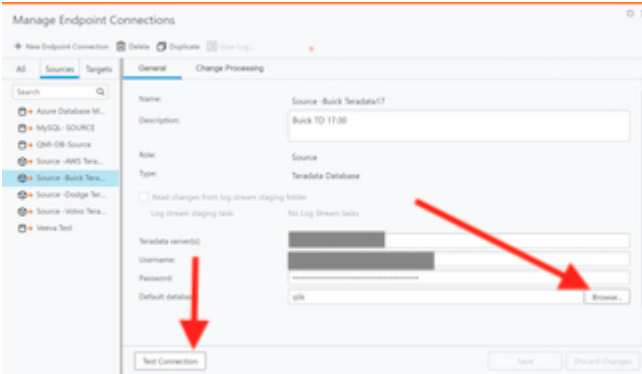
View TPT Settings



Press "Browse" button select Default database for Replicate and "Test Connection" button and Verify Connectivity.

Figure A.3.3.

Finalize Target Endpoint Settings



Part 4

Testing and Additional Information

If you fail in any of these steps please use the ODBC Manager built in with your os and test connections to your Teradata Server.

For Specific Qlik Replicate functions please follow replicate guidelines to setup and test CDC Tasks.

Additional information can be found in help documentation in [Summary](#).

For Testing Method Please contact your Qlik or Teradata Representatives for support from Professional services teams.

Othen Information can be found in [Qlik Community Technology Partners](#) in Technology Partner Sections where users can post questions and get them answered