

Name of Solution:

Mapping: Access non native database from Unix

Business Requirement:

A PowerCenter mapping that demonstrates how to access the non native data types across environments using SequeLink. I.e read Excel, MS Access databases from Unix environment.

Solution URL:

<https://community.informatica.com/solutions/3111>

Supported Versions:

Informatica PowerCenter 9.1 and above.

Description:

Overview

Often user requires to access data on a Windows machine from a UNIX or Linux machine that runs PowerCenter services.

Using SequeLink, you can use the data source residing on a Windows machine from PowerCenter that runs on a Linux/ UNIX. E.g. Accessing the Excel or MS Access database residing on a Windows box from a PowerCenter running on a Linux / UNIX Machine.

To use SequeLink, install the SequeLink Client on the machine where the PowerCenter Integration Service runs and install the SequeLink Server for ODBC socket on the machine where the data is stored. The SequeLink Server for ODBC Socket includes the SequeLink Service and SequeLink Management Console Snap-in. Use the SequeLink Management Console Snap-in to manage the SequeLink Service. The SequeLink Client includes the ODBC drivers, driver manager, and odbc.ini.

This template explains how to configure SequeLink server and client to access data on a Windows machine from a Unix machine that runs PowerCenter services with an example mapping.

Download file contents:

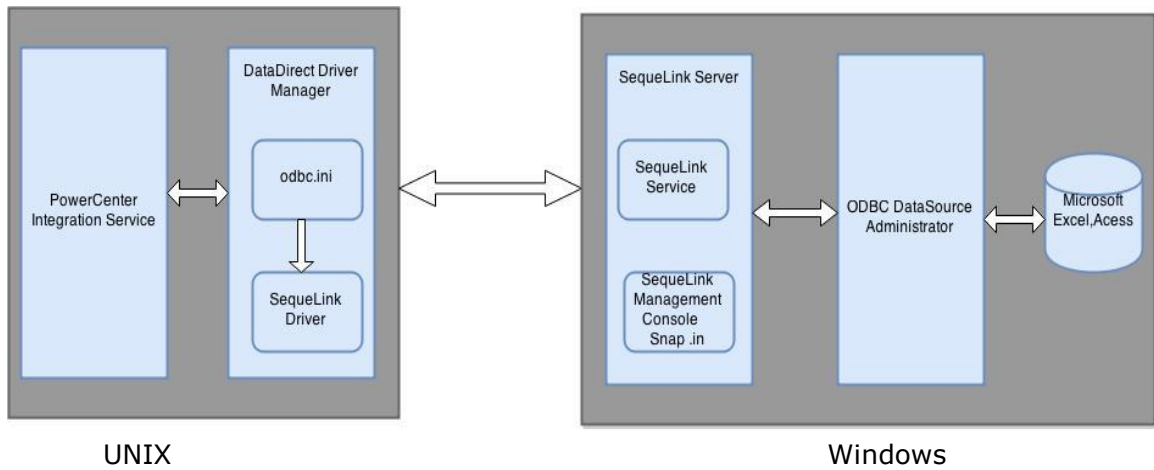
1. Mapping
2. SourceFile

Steps to implement the solution:

1. Firstly, we need to download Sequelink socket for windows machine and Sequelink client for unix machine that runs PowerCenter services.
For Windows Machine:
 - a. If your application was built with 32-bit system libraries, you must use Connect for ODBC.
 - b. If your application was built with 64-bit system libraries, you must use Connect64 for ODBC.



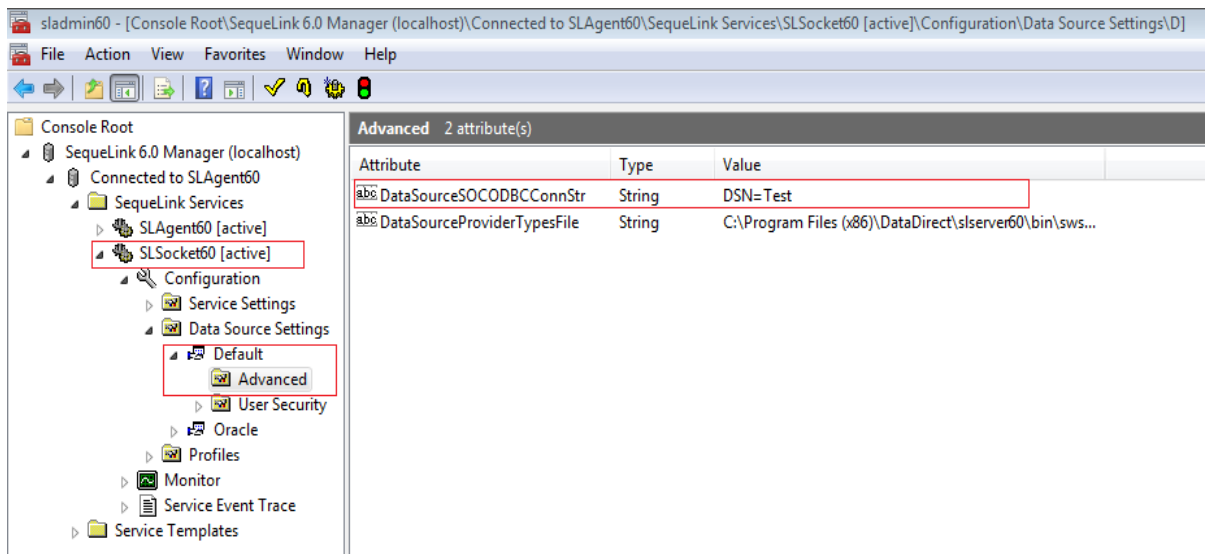
2. The screenshot shown below explains how the SequeLink communicates with PowerCenter.



3. Install SequeLink server for ODBC socket on a windows machine with default values.
- Start SequeLink ODBC socket services and log-in to SequeLink Service.
 - Configure the SequeLink ODBC socket server,

To configure the ODBC connect string for the Default data source setting

- In the SequeLink Management Console Snap-in, navigate to the following location: SequeLink Service > SLSocket60 > Configuration > Data Source Settings > Default > Advanced.
- Double-click the Value field for the DataSourceSOCODBCConnStr attribute.
- Set the value to DSN=<ODBC Data Source Name>. For example, if you created a data source named Access, enter the following value: DSN=Test.



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4. Install SequeLink ODBC client software on a Unix machine that runs PowerCenter services.
 - Configure the SequeLink ODBC client.
 - Set the environment variables as follows,
SQLNK_ODBC_HOME <SequeLink installation directory>/lib64
LD_LIBRARY_PATH <SequeLink installation directory>/lib64:
\$LD_LIBRARY_PATH
PATH <SequeLink installation directory>/lib64: \$PATH
ODBCINI <SequeLink installation directory>/odbc64.ini
 - Configure odbc64.ini or odbc.ini file.
[ODBC Data Sources]
Excel = DataDirect 64-BIT SequeLink 6.0
[Excel]
Driver=<SequeLink installation directory>/lib64/ivslk22.so
Description=DataDirect SequeLink 6.0
Host=<Host_Name> (where SequeLink Socket Server installed)
Port=19996
ServerDataSource=Excel
UseLDAP=0
 - Test the connection to the SequeLink ODBC socket server.
<SequeLink client directory>/example/example64
5. Import the source file through excel odbc to PowerCenter.
6. Import workflow using the Repository Manager. Select the appropriate folder from the repository and resolve the conflicts by choosing suitable option.
7. In the PowerCenter Designer, observe the mapping .
8. Open the workflow in Workflow Manager. Assign the integration service in Workflow -> Edit -> Integration Service.

We need to setup the Relational Connection object in the workflow manger as shown below.

The screenshot shows the 'Connection Object Definition' dialog box. The 'Name' field is 'Sequel_ODBC', 'Type' is 'ODBC', 'User Name' is 'INFORMATICA\cyerram', and 'Password' is masked with asterisks. The 'Connect String' is 'Excel'. The 'Code Page' is 'MS Windows Latin 1 (ANSI), supe'. There are 'OK', 'Cancel', and 'Help' buttons on the right side.

9. Execute the workflow and observe the target file.

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