



Qlikview “How to Guide” Connecting and Reporting with Oracle Database

Description:

BISP is committed to provide BEST learning material to the beginners and advance learners. In the same series, we have prepared a complete end-to end Hands-on Beginner’s Guide for Qlikview implementations. The document focuses on. Qlikview Sales History Dashboard **Join our professional training program and learn from experts.**

History:

Version	Description	Change	Author	Publish Date
0.1	Initial Draft		Surbhi Sahu	21 st Aug 2012
0.1	Review#1		Amit Sharma	29 th Aug 2012

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Oracle as data source

Oracle as data source this allows Qlikview reports to directly access a database data-source like oracle data source . Qlikview, by default, loads all required data up-front into its own in-memory column-store database, but oracle as a data source feature allows it to in addition retrieve data from an SQL data source, on-demand, to supplement this in-memory

dataset. This should allow larger datasets to be accessed from within Qlikview reports Makes corporate data easier for business users to access. This feature provides a common infrastructure for producing and delivering enterprise reports, scorecards, dashboards, ad-hoc analysis, and OLAP analysis Includes rich visualization, interactive dashboards, a vast range of animated charting options, OLAP-style interactions and innovative search, and actionable collaboration capabilities to increase user adoption and reduces cost with a proven Web-based service-oriented architecture that integrates with existing IT infrastructure.

Oracle database

An Oracle database is a collection of data treated as a unit. The purpose of a database is to store and retrieve related information.

We take Oracle as a front end tool and QlikView as a back end tool for generate the report by using the interface oledb.

OLE DB

OLE DB (Object Linking and Embedding, Database, sometimes written as OLEDB or OLE-DB), an API designed by Microsoft, allows accessing data from a variety of sources in a uniform manner.

Require Prerequisite

These are the prerequisite for creating connection between oracle data source and QlikView.

1. Oracle 10g or more then 10 g edition should installed in your machine, Because this version works with OCI and OLEDB, you need both .
2. Oracle client 10 g or more then 10 g should installed in you machine.

Oracle Client:

The client is used to connect to Oracle databases running on other machines. In Oracle 10g edition it already installed with the oracle set up but in Oracle 11g we have to install the client separately.

OCI:

The Oracle Call Interface (OCI) consists of a set of C-language software APIs which provide an interface to the Oracle database.OCI offers a procedural API for not only performing certain database administration tasks (such as system startup and shutdown), but also for using PL/SQL or SQL to query, access, and manipulate data. The OCI library, based on Oracle's undocumented User Programmatic Interface (UPI), acts as an "interpreter" between applications and the low-level database network protocol.

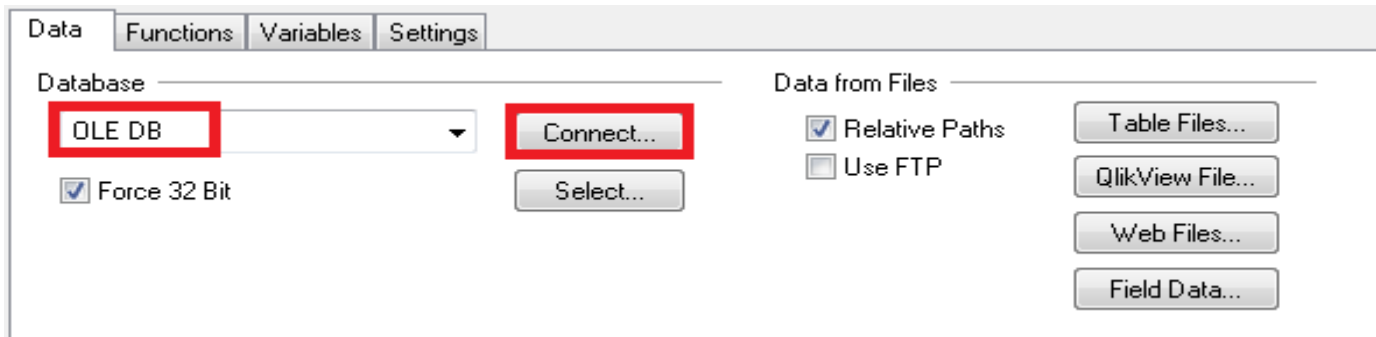
The OCI connection protocol is backwards compatible to 8i when first implemented by Oracle. Use the most current connector from Oracle which includes the current MS OS OLE DB from Oracle and includes Oracle's OCI. This will create the best connection for the data pulls.

Connection

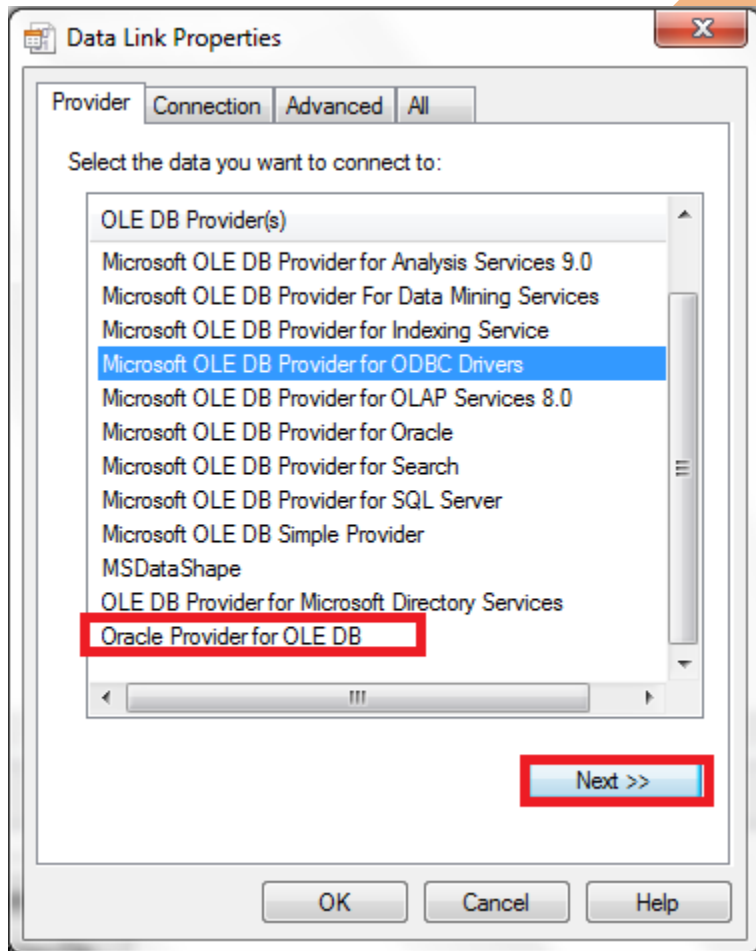
If you fulfill all the requirements then you can move through establish the connection of QlikView with oracle.

Step 1) Open the QlikView app and give the name Sales_History or you wants to give.

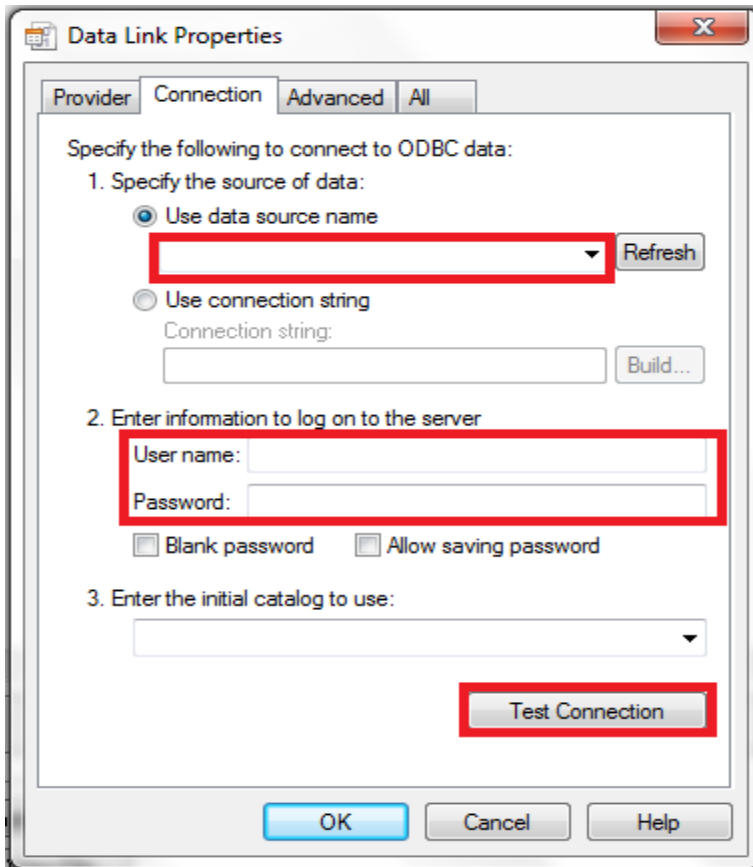
Step 2) Then go to the script Editor window and check the database interface should be OLEDB and then click on the connect option.



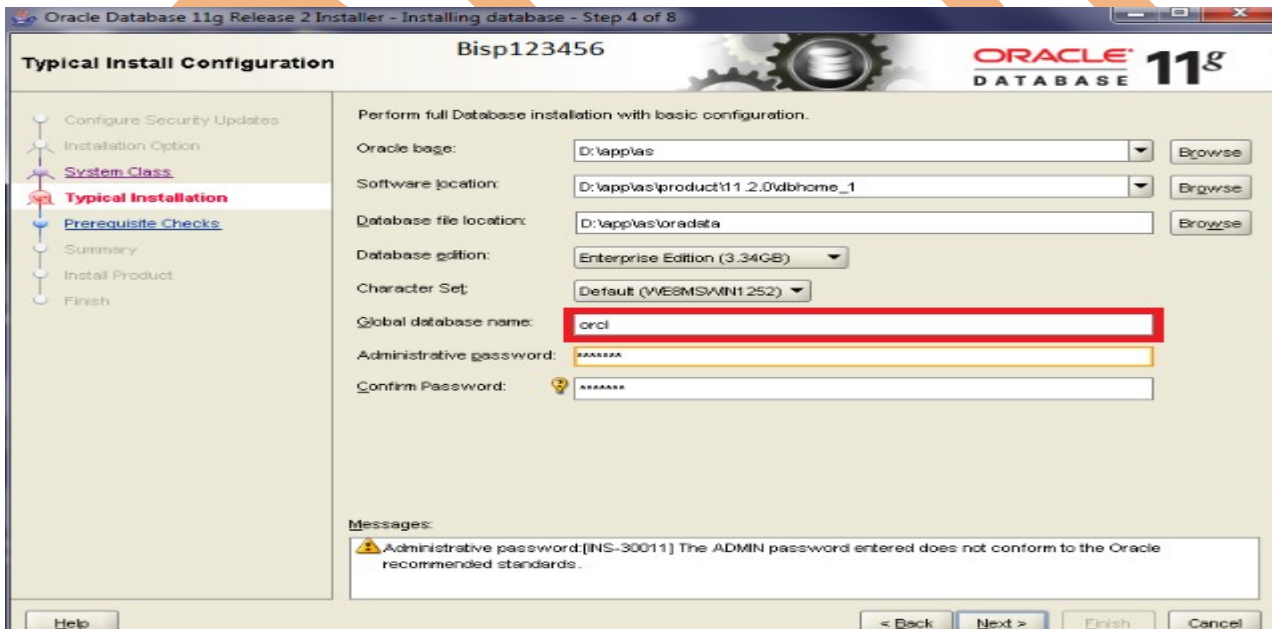
Step 3) This will open the Data Link Properties window. In this window, select the provider 'Oracle provider for OLEDB' and then click the Next option.



Step 4) In the connection tab, give the data source name as you have given during installation and then the user name and password from which you logged on the Oracle as a user.



The snap shot is shown here where you have give the name of your data source.



And the user name and password which you giving in the oracle while creating the connection.

New / Select Database Connection

Connection N... Connection D... Connection Name demo

Username system

Password

Save Password

Oracle Access

Role default

Connection Type Basic

OS Authentication

Kerberos Authentication

Proxy Connection

Hostname localhost

Port 1521

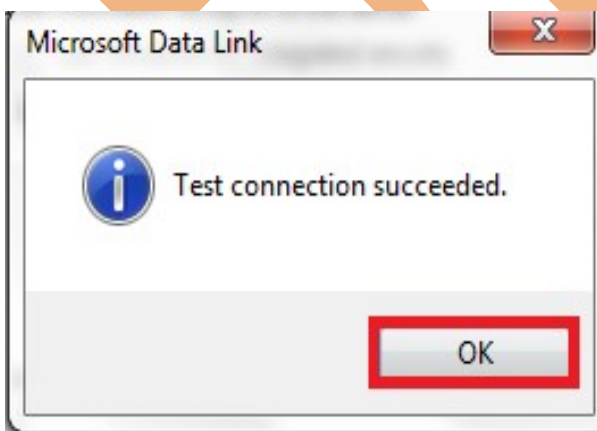
SID ord

Service name

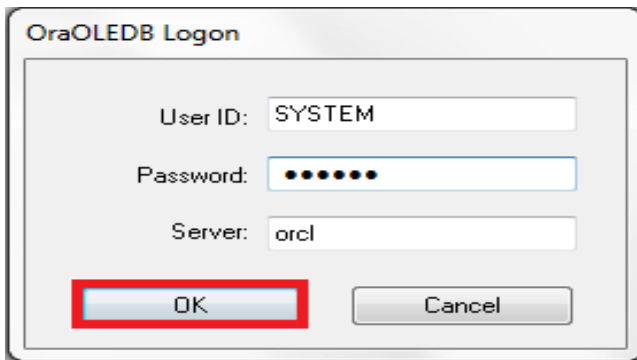
Status :

Help Save Clear Test Connect Cancel

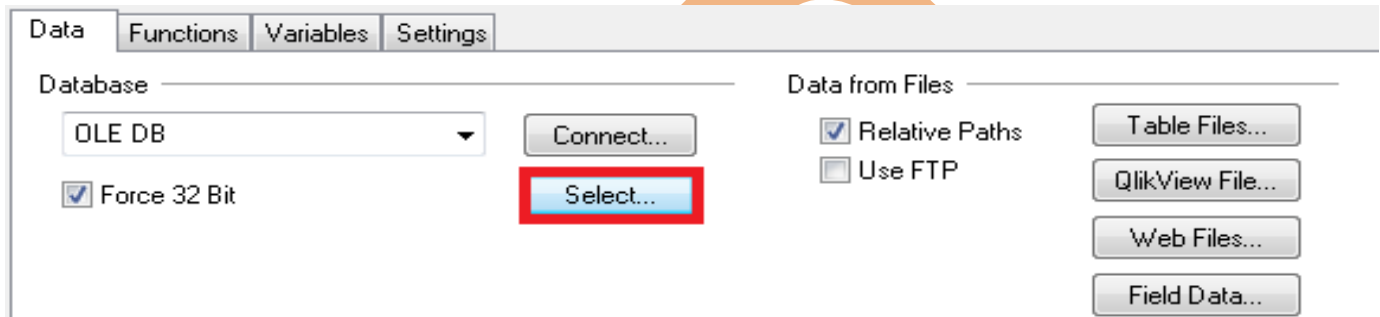
Step 5) After hitting the test connection button, a notification will appear indicating that the test connection succeeded. Click on the OK button.



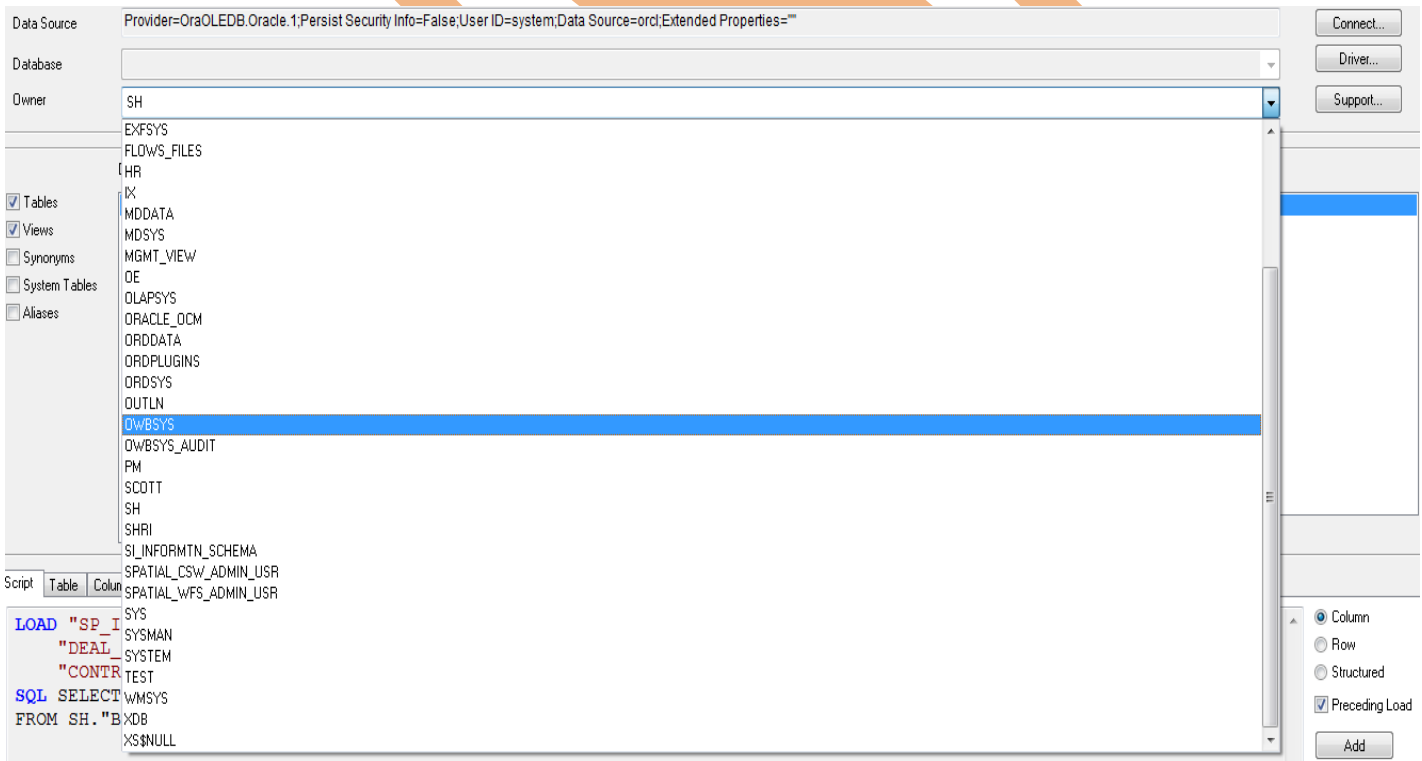
Step 6) Then another OraOLEDB Logon window will open, which asks for the user ID, password, and server name. The server name will be the same as the data source name. Click OK.



Step 7) Now Go to the select option in Edit script window.



Step 7) From the owner you can select on which schema you have to work. A schema is a collection of logical structures of data, or schema objects. A schema is owned by a database user and has the same name as that user. Each user owns a single schema.



Step 8) Now choose the schema and all the fields of the table will be explored to you. You can add more table by pressing add button present in the bottom side of the wizard.

Data Source: Provider=OraOLEDB.Oracle.1;Persist Security Info=False;User ID=system;Data Source=ord;Extended Properties=""

Database: []

Owner: **SH**

Database Tables:

- Tables
- Views
- Synonyms
- System Tables
- Aliases

BRIDGE_TABLE

Fields: Text Order

- CONTRIBUTION_PER
- DEAL_ID
- SP_ID

Script: Table Columns Preview Blobs

```
LOAD "SP_ID",
    "DEAL_ID",
    "CONTRIBUTION_PER";
SQL SELECT *
FROM SH."BRIDGE_TABLE";
```

Column
Row
Structured
 Preceding Load

Add

Step 9) Now we have load countries, cost, sells, Time, product, customers and channels then go to the table viewer this will give the model as

